

# PROPOSED CLEANUP PLAN OF LEGACY OIL RELEASE AT THE STOVALL-WOOD-BARBER TANK BATTERY

## **COLGAZER SITE**

35.563285°N; 103.997456°W  
EDDY COUNTY, NEW MEXICO

### PREPARED FOR:

New Mexico Oil Conservation Division  
Incident #: nAPP2303360598

### PREPARED BY:



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**FEBRUARY 10, 2023**

## Executive Summary

Contango Resources LLC acquired legacy production assets in New Mexico in February of 2021. Compliant operation of these assets involves the periodic plugging and decommissioning of non-productive wells and facilities. The Colgazer-Stovall Tank Battery was decommissioned in early 2021. During that process, 226 loads of oil contaminated soil were removed from the site to a permitted disposal facility. In July/August of 2022 the landowner permitted and drilled a water well in close proximity to the former tank battery site and discovered soil that had been impacted by an oil release at some time prior to Contango's acquisition of the asset.

Contango proceeded to delineate the site to determine the concentration and extent of the impacted soils to establish a plan to remediate the site. NMOCD was made aware of the voluntary remediation efforts underway by Contango.

Two rounds of geo-borings and soil sampling have been completed. A site characterization report proposed remediation plan, and initial C-141 Form have been included with this package for submittal to the NMOCD.

The concentration of contaminants, while above the state requirements for closure approval, are such that natural attenuation could be considered as a viable path for remediation of the site, per USEPA guidelines, however, Contango proposes to use the "dig and haul" approach to expedite remediation and closure of the site.

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# Acronyms

|       |                                               |      |                                             |
|-------|-----------------------------------------------|------|---------------------------------------------|
| ALL   | ALL Consulting, LLC                           | NORM | Naturally Occurring<br>Radioactive Material |
| ASTM  | American Society for<br>Testing and Materials | ORO  | Oil Range Organics                          |
| COC   | Contaminants of Concern                       | PRG  | Preliminary Remediation<br>Goal             |
| COPC  | Contaminants of Potential<br>Concern          | RAO  | Remedial Action Objective                   |
| CY    | Cubic Yard                                    | RSL  | Regional Screening Level                    |
| DRO   | Diesel Range Organics                         | SSL  | Soil Screening Level                        |
| GRO   | Gasoline Range Organics                       | SVOC | Semi-Volatile Organic<br>Compound           |
| mg/kg | Milligrams per kilogram                       | TBC  | To Be Considered                            |
| MDL   | Method Detection Limit                        | TPH  | Total Petroleum<br>Hydrocarbons             |
| NFA   | No Further Action                             | VOC  | Volatile Organic<br>Compound                |
| NMAC  | New Mexico<br>Administrative Code             |      |                                             |
| NMED  | New Mexico<br>Environmental Department        |      |                                             |
| NMOCD | New Mexico Oil Conservation<br>Division       |      |                                             |



# 1. Introduction

## 1.1 Site Description and Background

The Site consists of an approximate 1.6-acre well pad with access roads and an associated staging area. Land surrounding the Site includes some stock pens, agricultural land, barns, and associated buildings for ranching operations and a rail line runs parallel to the location on the west side.

This pad is the site of a plugged saltwater disposal well and a tank battery. The tank battery was decommissioned in March/April 2021. During the decommissioning activity 226 loads of oil contaminated soil were hauled to the Lea Land disposal facility, clean fill was brought to site and the location graded flat in collaboration with the landowner.

In August of 2022 the landowner permitted and drilled a water well, located at the former site of the tank battery, and in the process discovered that additional oil impacted soil was present. Water in the well was encountered at an approximate depth of 35 feet bgs and the static level in the well was measured to be approximately 16.5 feet bgs.

Contango developed and executed a plan to delineate the site to determine the extent and concentration of constituents of concern (COC). The presence of a confining clay layer at an approximate depth of 20' was determined by analysis of offset well logs in the area, and the geo-borings were intentionally limited to a depth of 18 feet to preserve the integrity of the natural clay barrier. Analytical data obtained from the geo-boring samples were evaluated to develop a reasonable course of action to remediate the site.

Investigations of various methods, natural attenuation, in-situ surfactant flush/wellpoint system, and dig and haul methods were evaluated. While the natural attenuation of the impacted soil by the indigenous microbes is routinely done, the timeframe is unpredictable. Contango proposes to remediate the site using the dig and haul method.

**Appendix A** contains maps of the general vicinity, topographic features, water well, boring/sampling locations and sample depth delineations.

## 2. Remediation Plan

### 2.1.1 Groundwater Water Protection

The water well is privately owned, permitted, and drilled by the landowner for stock use. Contango believes that the well integrity needs to be confirmed to ensure that this potential pathway for migration of the contaminants is managed correctly. The wellbore liner from below the clay layer (approximately 25-30 feet) to surface needs to be evaluated to ensure there is adequate cement bonding integrity, sealing the impacted soil from the water source. Contango believes that the well needs to be evaluated to confirm the seal integrity or, if that is not possible, to properly plug the water well.

### 2.1.2 Overburden Staging Area

Clean soils above the impacted zones will be stockpiled on site for later replacement into the excavated area. The volume of material estimated to be unaffected by the contaminants is approximately 2,577 cubic yards, based on the analytical results obtained from the delineation activity. Three (3) grab samples from separate areas of the stockpiled material will be analyzed to confirm the COCs comply with the established statutory limits, and non-compliant material will be removed from site for proper disposal.

### 2.1.3 Site Excavation

To determine the remediation area and volumes, TPH exceedances were outlined for three (3) depth intervals based on sampling results and volumes are presented in **Table 1**. Overburden at the site consisted of soil from surface to a depth of 9-feet bgs. The volume of the overburden was calculated by multiplying the entire affected area by a depth of 3 yards (9-feet). The resulting overburden volume for the entire affected area was 2,577 cubic yards. The underlying 12-foot affected area consisted of all soil within the affected polygon, from a depth of 9-feet to 12-feet. The volume of the 12-foot deep affected was 859 cubic yards. The volume of the 15-foot affected area included the 15-foot affected area from a depth of 12-feet to 15-feet. The resulting volume was 747 cubic yards. The deepest interval was the 18-foot affected area, which extended from 15-feet to 18-feet below ground surface. The volume of the 18-foot affected was determined to be 665 cubic yards.

**Table 1 Estimated Impacted Soil Volumes**

| Polygon                                                   | Total Polygon Area<br>Square Yards | Polygon Depth<br>Yards | Volume<br>Cubic Yards |
|-----------------------------------------------------------|------------------------------------|------------------------|-----------------------|
| 12ft Affected Area                                        | 859                                | 1                      | 859                   |
| 15ft Affected Area                                        | 747                                | 1                      | 747                   |
| 18ft Affected Area                                        | 665                                | 1                      | 665                   |
| Overburden <sup>1</sup>                                   | 859                                | 3                      | 2,577                 |
| <b>Total Material to be Removed: 2,271 yd<sup>3</sup></b> |                                    |                        |                       |

<sup>1</sup> Note: Overburden will be stockpiled and analyzed on site.

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Impacted soil, approximately 2,271 cubic yards, will be excavated and hauled off site to a facility permitted to accept non-hazardous oilfield waste (NOW) using the appropriate backhoe/trackhoe equipment. Side-wall samples at the margins of the excavated site will be sampled and analyzed for TPH concentrations to ensure the remaining soils in place are below the acceptable limits. Soils from the margins that are above the statutory limits will be excavated and removed from site.

Once the excavation is complete, clean fill material will be blended with the stockpiled overburden soil and used to backfill the excavated area, compacted, and graded to the existing site levels.

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## **Appendix A**

### **Figures 1-7**



Figure 1 - Site Vicinity Map

Legend

Feature 1





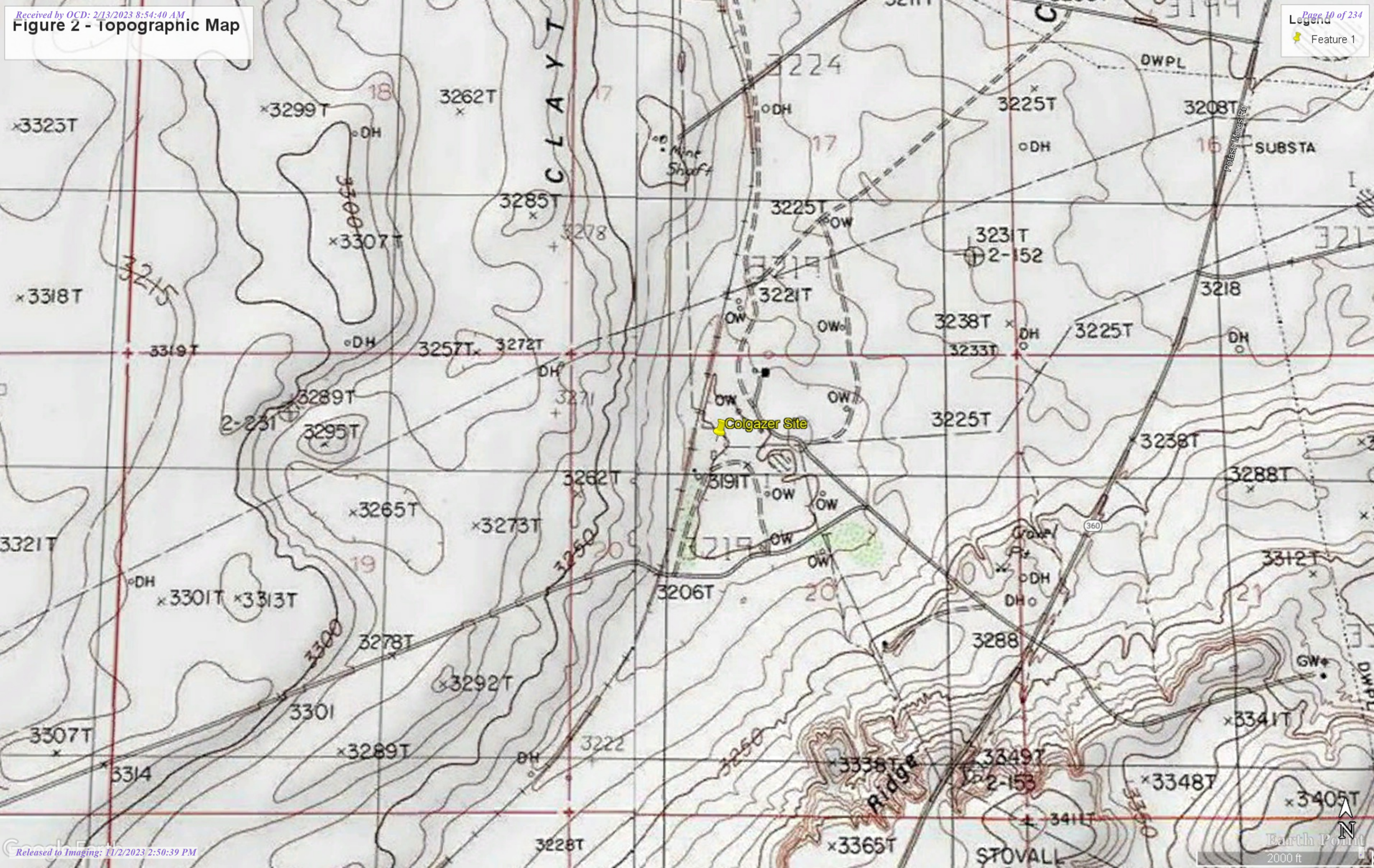
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Legend



Figure 3 - Water Well Map

Legend

Feature 1



Water Well



Figure 4 - Sample Location Map

Legend

Feature 1



60 ft



Figure 5 - 12-Ft Delineation Map

Legend

Feature 1

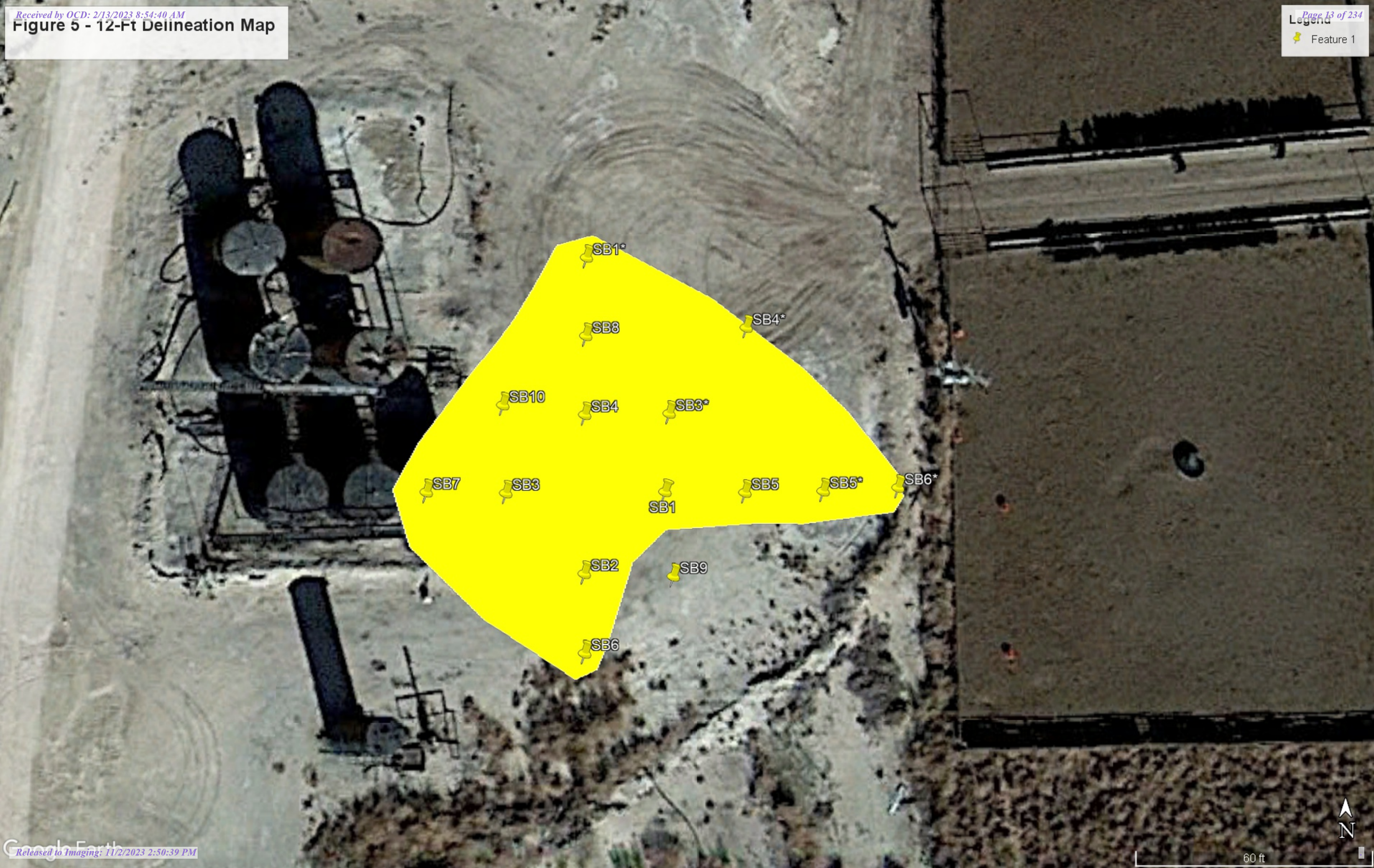




Figure 6 - 15-Ft Delineation Map

Legend

Feature 1

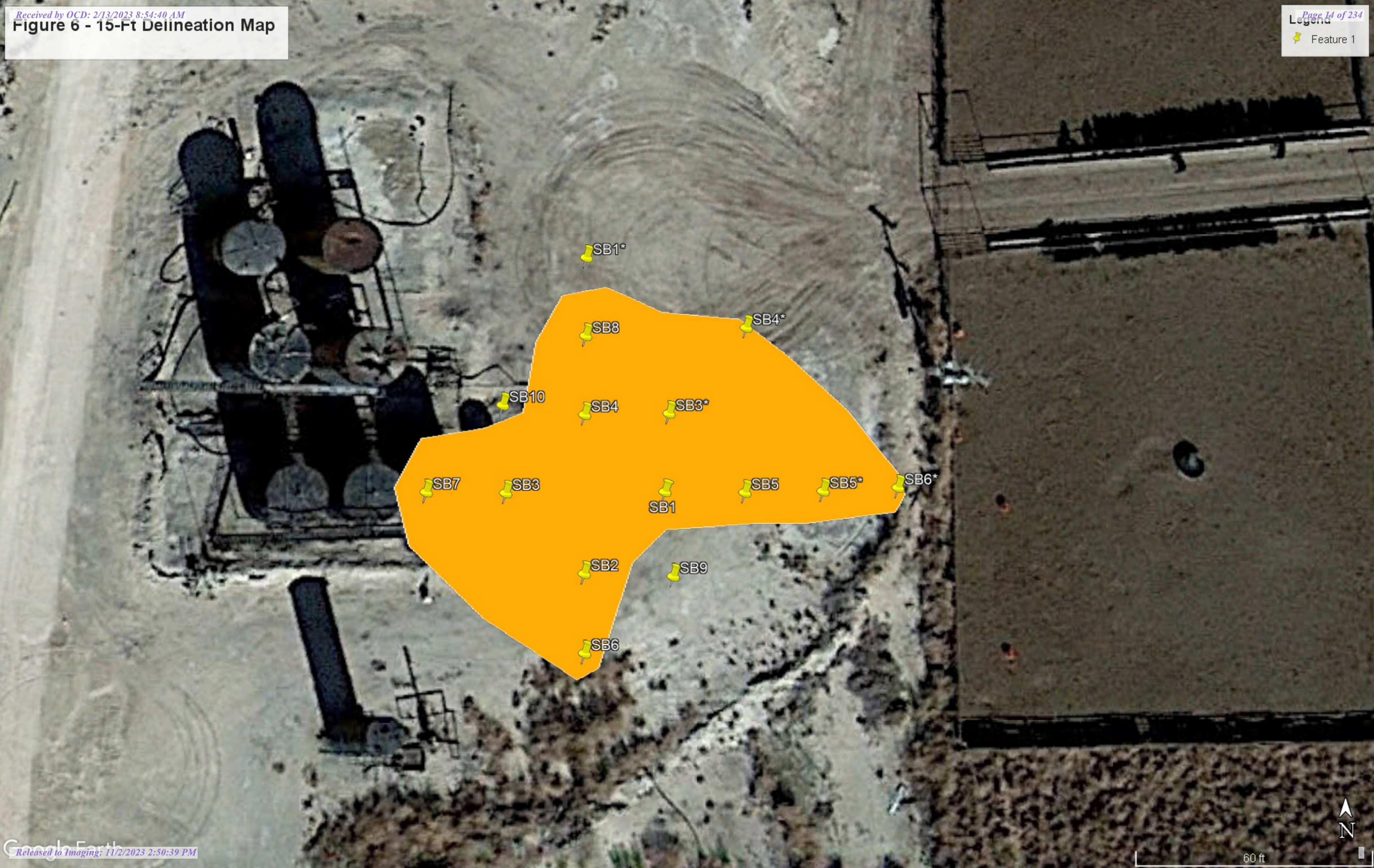




Figure 7 - 18-Ft Delineation Map

Legend

Feature 1



60 ft

N



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## **Appendix B**

### **Analytical Results Summary**



## Soil Samples Collected October 5, 2022

| SB                                                    | Depth (ft) | Benzene (mg/kg) | BTEX (mg/kg) | TPH (mg/kg) |
|-------------------------------------------------------|------------|-----------------|--------------|-------------|
| 1                                                     | 6          | ND              | 2.34         | 865         |
| 1                                                     | 15         | 0.253           | 3.81         | 698         |
| 1                                                     | 17         | 0.302           | 2.09         | 1110        |
| 2                                                     | 10         | ND              | ND           | ND          |
| 2                                                     | 15         | 0.342           | 2.53         | 1060        |
| 2                                                     | 17         | 0.131           | 1.89         | 322         |
| 3                                                     | 10         | 0.0533          | 0.356        | 1250        |
| 3                                                     | 15         | ND              | 1.6          | 329         |
| 3                                                     | 17         | ND              | 0.829        | 800         |
| 4                                                     | 5          | ND              | ND           | 1870        |
| 4                                                     | 10         | ND              | 2.83         | 2110        |
| 4                                                     | 17         | 0.318           | 2.6          | 1600        |
| 5                                                     | 5          | ND              | 0.24         | 3510        |
| 5                                                     | 10         | 0.132           | 3.87         | 3090        |
| 5                                                     | 17         | ND              | 1.42         | 386         |
| 6                                                     | 10         | ND              | ND           | ND          |
| 6                                                     | 15         | 0.0313          | 0.716        | 286         |
| 6                                                     | 17         | 0.0695          | 0.417        | 215         |
| 7                                                     | 10         | ND              | ND           | ND          |
| 7                                                     | 17         | 0.0297          | 1.72         | 346         |
| 7                                                     | 18         | 0.0463          | 1.96         | 407         |
| 8                                                     | 5          | ND              | ND           | 1140        |
| 8                                                     | 10         | ND              | ND           | 1590        |
| 8                                                     | 17         | ND              | 1.16         | 328         |
| 9                                                     | 10         | ND              | ND           | ND          |
| 9                                                     | 15         | ND              | ND           | 416         |
| 9                                                     | 17         | 0.0481          | 0.0481       | ND          |
| 10                                                    | 10         | 0.0242          | 0.519        | 241         |
| 10                                                    | 15         | 0.0816          | 1.25         | 186         |
| 10                                                    | 17         | ND              | 0.403        | 83.1        |
| *Highlighted cells exceed NMAC TPH limit of 100 mg/kg |            |                 |              |             |



## Soil Samples Collected December 1, 2022

| SB                                                                                   | Depth (ft) | Benzene (mg/kg) | BTEX (mg/kg) | TPH (mg/kg) | Chloride (mg/kg) |
|--------------------------------------------------------------------------------------|------------|-----------------|--------------|-------------|------------------|
| 1                                                                                    | 3          | ND              | ND           | ND          | 1040             |
| 1                                                                                    | 8          | ND              | ND           | ND          | 1100             |
| 1                                                                                    | 12         | ND              | 0.598        | 203         | 1690             |
| 2                                                                                    | 5          | ND              | 0.0137       | ND          | 1150             |
| 2                                                                                    | 10         | ND              | ND           | ND          | 1590             |
| 2                                                                                    | 15         | ND              | ND           | ND          | 1410             |
| 3                                                                                    | 5          | ND              | ND           | 66.6        | 273              |
| 3                                                                                    | 10         | ND              | 1.47         | 473         | 1400             |
| 3                                                                                    | 15         | 0.794           | 4.45         | 1680        | 1760             |
| 3                                                                                    | 17         | ND              | 0.601        | 1180        | 1520             |
| 4                                                                                    | 5          | ND              | ND           | 4740        | 614              |
| 4                                                                                    | 9          | ND              | ND           | 862         | 1630             |
| 4                                                                                    | 15         | ND              | 0.803        | 1130        | 2160             |
| 5                                                                                    | 3          | ND              | 0.978        | 2750        | 530              |
| 5                                                                                    | 10         | 0.274           | 2.16         | 815         | 589              |
| 5                                                                                    | 15         | 0.576           | 3.22         | 2970        | 1220             |
| 5                                                                                    | 18         | 0.872           | 3.73         | 5460        | 770              |
| 6                                                                                    | 5          | 0.257           | 2.28         | 2960        | 428              |
| 6                                                                                    | 10         | ND              | 2.04         | 2690        | 456              |
| 6                                                                                    | 15         | 0.700           | 2.28         | 2550        | 1570             |
| 7                                                                                    | 5          | ND              | ND           | ND          | 2080             |
| 7                                                                                    | 10         | ND              | ND           | ND          | 926              |
| 7                                                                                    | 15         | ND              | ND           | ND          | 931              |
| *Highlighted cells exceed NMAC TPH limit of 100 mg/kg or Chloride limit of 600 mg/kg |            |                 |              |             |                  |



## Groundwater Samples Collected December 1 and 2, 2022

| Well         | Benzene (mg/L) | BTEX (mg/L) | TPH (mg/L) | Chloride (mg/L) |
|--------------|----------------|-------------|------------|-----------------|
| 1 (Primary)  | ND             | ND          | 21.7       | 8080            |
| 2 (Off Site) | ND             | ND          | ND         | 9560            |



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## **Appendix C**

## **Photographs**



## **Appendix C: Colgazer Photo Log**



**Photo 1: Site layout photograph taken during initial cleanup action.**



## **Appendix C: Colgazer Photo Log**



**Photo 2: Site layout photograph taken during initial cleanup action.**



## **Appendix C: Colgazer Photo Log**



**Photo 3: Site layout photograph taken during initial cleanup action.**



## **Appendix C: Colgazer Photo Log**



**Photo 4: Site layout photograph taken during initial cleanup action.**



## **Appendix C: Colgazer Photo Log**



**Photo 5: Site layout photograph taken during initial cleanup action.**



## **Appendix C: Colgazer Photo Log**



**Photo 6: Site layout photograph taken during initial cleanup action.**



## **Appendix C: Colgazer Photo Log**



**Photo 7: Site layout photograph taken during initial cleanup action.**



## Appendix C: Colgazer Photo Log



**Photo 8: Soil core from boring at 32.562495° - 103.996695°.**



## Appendix C: Colgazer Photo Log



**Photo 9: Water zone encountered between 20 and 25 feet below ground surface at 32.562495° -103.996695°.**



## Appendix C: Colgazer Photo Log



**Photo 10: Soil core from boring at 32.563284° - 103.997495°.**



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## **Appendix D**

### **Lab Reports**





## Environment Testing America

### ANALYTICAL REPORT

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

Laboratory Job ID: 890-3150-1  
Client Project/Site: Colgazer  
Revision: 1

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

Attn: Jr Curtis

A handwritten signature in black ink, appearing to read "John Builes", is written over a horizontal line.

Authorized for release by:  
10/21/2022 3:44:18 PM

John Builes, Project Manager  
(561)558-4549  
[John.Builes@et.eurofinsus.com](mailto:John.Builes@et.eurofinsus.com)

#### LINKS

Review your project  
results through



Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

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.



Client: Contango Resources LLC  
Project/Site: Colgazer

Laboratory Job ID: 890-3150-1

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## Definitions/Glossary

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

## Qualifiers

## GC VOA

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

## GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| *1        | LCS/LCSD RPD exceeds control limits.                     |
| S1-       | Surrogate recovery exceeds control limits, low biased.   |
| U         | Indicates the analyte was analyzed for but not detected. |

## Glossary

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

Eurofins Carlsbad



## Case Narrative

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

**Job ID: 890-3150-1****Laboratory: Eurofins Carlsbad****Narrative****Job Narrative  
890-3150-1**REVISION

The report being provided is a revision of the original report sent on 10/17/2022. The report (revision 1) is being revised due to Revised report to correct language of the case narrative. Samples were properly preserved in the field and brought in on Ice to the Lab..

## Report revision history

**Receipt**

The samples were received on 10/5/2022 1:53 PM. 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 1.0°C

**Receipt Exceptions**

The samples analyzed for 8021 VOC and 8015 TPH were received in a bulk soil jar.. Vials were created by the laboratory from the bulk sample containers in order to analyze. Samples arrived intact, on ice, and met method criteria.

**GC VOA**

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-36607 and analytical batch 880-36814 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: (890-3150-A-6-C MS) and (890-3150-A-6-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-36609 and analytical batch 880-36928 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: SB01-S17-MS 1.4 (890-3150-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: DUPE 02 (890-3150-16) and SB05-S10-MS 76 (890-3150-17). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: SB05-S17-MS 80.2 (890-3150-19). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SB08-S17-MS 48 (890-3150-29), SB09-S17-MS 19 (890-3150-33), MSD DUPE 4 (890-3150-34) and SB10-S15-MS 85 (890-3150-36). Evidence of matrix interferences is not obvious.

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

**GC Semi VOA**

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-36385 and analytical batch 880-36313 was outside the upper control limits.

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-36387 and analytical batch 880-36315 was outside the upper control limits.



Case Narrative

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

Job ID: 890-3150-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

Method 8015MOD\_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-36387 and analytical batch 880-36315 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10.

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

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

Client Sample ID: SB01-56-MS 5.4

Lab Sample ID: 890-3150-1

Date Collected: 10/05/22 08:45

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 10

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

| Analyte             | Result  | Qualifier | RL     | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|---------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.0200 | U         | 0.0200 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 00:28 | 10      |
| Toluene             | 0.109   |           | 0.100  |     | mg/Kg |   | 10/10/22 16:51 | 10/13/22 22:42 | 50      |
| Ethylbenzene        | 0.409   |           | 0.0200 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 00:28 | 10      |
| m-Xylene & p-Xylene | 0.612   |           | 0.200  |     | mg/Kg |   | 10/10/22 16:51 | 10/13/22 22:42 | 50      |
| o-Xylene            | 1.21    |           | 0.0200 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 00:28 | 10      |
| Xylenes, Total      | 0.612   |           | 0.200  |     | mg/Kg |   | 10/10/22 16:51 | 10/13/22 22:42 | 50      |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 110       |           | 70 - 130 | 10/10/22 16:51 | 10/13/22 22:42 | 50      |
| 1,4-Difluorobenzene (Surr)  | 84        |           | 70 - 130 | 10/10/22 16:51 | 10/13/22 22:42 | 50      |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL    | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|-------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 2.34   |           | 0.200 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 865    |           | 49.8 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 51.5   | *1        | 49.8 |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 02:38 | 1       |
| Diesel Range Organics (Over C10-C28) | 654    |           | 49.8 |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 02:38 | 1       |
| Oil Range Organics (Over C28-C36)    | 159    |           | 49.8 |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 02:38 | 1       |
| Total TPH                            | 865    |           | 49.8 |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 02:38 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 84        |           | 70 - 130 | 10/07/22 13:17 | 10/08/22 02:38 | 1       |
| o-Terphenyl    | 89        |           | 70 - 130 | 10/07/22 13:17 | 10/08/22 02:38 | 1       |

Client Sample ID: SB01-S15-MS 21.5

Lab Sample ID: 890-3150-2

Date Collected: 10/05/22 09:00

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 15

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

| Analyte             | Result | Qualifier | RL     | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| Benzene             | 0.253  |           | 0.0998 |     | mg/Kg |   | 10/10/22 16:51 | 10/13/22 23:03 | 50      |
| Toluene             | 0.256  |           | 0.0199 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 00:49 | 10      |
| Ethylbenzene        | 0.665  |           | 0.0199 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 00:49 | 10      |
| m-Xylene & p-Xylene | 0.743  |           | 0.200  |     | mg/Kg |   | 10/10/22 16:51 | 10/13/22 23:03 | 50      |
| o-Xylene            | 1.89   |           | 0.0199 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 00:49 | 10      |
| Xylenes, Total      | 0.743  |           | 0.200  |     | mg/Kg |   | 10/10/22 16:51 | 10/13/22 23:03 | 50      |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 99        |           | 70 - 130 | 10/10/22 16:51 | 10/13/22 23:03 | 50      |
| 1,4-Difluorobenzene (Surr)  | 87        |           | 70 - 130 | 10/10/22 16:51 | 10/13/22 23:03 | 50      |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

Client Sample ID: SB01-S15-MS 21.5

Lab Sample ID: 890-3150-2

Date Collected: 10/05/22 09:00

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 15

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL    | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|-------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 3.81   |           | 0.200 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 698    |           | 49.9 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 58.7      | *1        | 49.9     |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 02:59 | 1       |
| Diesel Range Organics (Over C10-C28) | 560       |           | 49.9     |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 02:59 | 1       |
| Oil Range Organics (Over C28-C36)    | 78.9      |           | 49.9     |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 02:59 | 1       |
| Total TPH                            | 698       |           | 49.9     |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 02:59 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 82        |           | 70 - 130 |     |       |   | 10/07/22 13:17 | 10/08/22 02:59 | 1       |
| o-Terphenyl                          | 90        |           | 70 - 130 |     |       |   | 10/07/22 13:17 | 10/08/22 02:59 | 1       |

Client Sample ID: SB01-S17-MS 1.4

Lab Sample ID: 890-3150-3

Date Collected: 10/05/22 09:10

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 17

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

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | 0.302     |           | 0.0996   |     | mg/Kg |   | 10/10/22 16:51 | 10/13/22 23:23 | 50      |
| Toluene                     | <0.0201   | U         | 0.0201   |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 01:09 | 10      |
| Ethylbenzene                | 0.437     |           | 0.0201   |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 01:09 | 10      |
| m-Xylene & p-Xylene         | 0.294     |           | 0.199    |     | mg/Kg |   | 10/10/22 16:51 | 10/13/22 23:23 | 50      |
| o-Xylene                    | 1.06      |           | 0.0201   |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 01:09 | 10      |
| Xylenes, Total              | 0.294     |           | 0.199    |     | mg/Kg |   | 10/10/22 16:51 | 10/13/22 23:23 | 50      |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 92        |           | 70 - 130 |     |       |   | 10/10/22 16:51 | 10/13/22 23:23 | 50      |
| 1,4-Difluorobenzene (Surr)  | 90        |           | 70 - 130 |     |       |   | 10/10/22 16:51 | 10/13/22 23:23 | 50      |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL    | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|-------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 2.09   |           | 0.199 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 1110   |           | 50.0 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 72.7   | *1        | 50.0 |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 03:21 | 1       |
| Diesel Range Organics (Over C10-C28) | 918    |           | 50.0 |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 03:21 | 1       |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

## Client Sample ID: SB01-S17-MS 1.4

Lab Sample ID: 890-3150-3

Date Collected: 10/05/22 09:10

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 17

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

| Analyte                           | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Oil Range Organics (Over C28-C36) | 124       |           | 50.0     |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 03:21 | 1       |
| Total TPH                         | 1110      |           | 50.0     |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 03:21 | 1       |
| Surrogate                         | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                    | 99        |           | 70 - 130 |     |       |   | 10/07/22 13:17 | 10/08/22 03:21 | 1       |
| o-Terphenyl                       | 104       |           | 70 - 130 |     |       |   | 10/07/22 13:17 | 10/08/22 03:21 | 1       |

## Client Sample ID: SB02-S15-MS 43

Lab Sample ID: 890-3150-4

Date Collected: 10/05/22 09:35

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 15

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

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | 0.342     |           | 0.0994   |     | mg/Kg |   | 10/10/22 16:51 | 10/13/22 23:44 | 50      |
| Toluene                     | 0.0382    |           | 0.0201   |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 01:30 | 10      |
| Ethylbenzene                | 0.181     |           | 0.0994   |     | mg/Kg |   | 10/10/22 16:51 | 10/13/22 23:44 | 50      |
| m-Xylene & p-Xylene         | 0.441     |           | 0.199    |     | mg/Kg |   | 10/10/22 16:51 | 10/13/22 23:44 | 50      |
| o-Xylene                    | 1.53      |           | 0.0201   |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 01:30 | 10      |
| Xylenes, Total              | 0.441     |           | 0.199    |     | mg/Kg |   | 10/10/22 16:51 | 10/13/22 23:44 | 50      |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 95        |           | 70 - 130 |     |       |   | 10/10/22 16:51 | 10/13/22 23:44 | 50      |
| 1,4-Difluorobenzene (Surr)  | 88        |           | 70 - 130 |     |       |   | 10/10/22 16:51 | 10/13/22 23:44 | 50      |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL    | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|-------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 2.53   |           | 0.199 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 1060   |           | 50.0 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 52.3      | *1        | 50.0     |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 03:42 | 1       |
| Diesel Range Organics (Over C10-C28) | 886       |           | 50.0     |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 03:42 | 1       |
| Oil Range Organics (Over C28-C36)    | 120       |           | 50.0     |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 03:42 | 1       |
| Total TPH                            | 1060      |           | 50.0     |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 03:42 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 101       |           | 70 - 130 |     |       |   | 10/07/22 13:17 | 10/08/22 03:42 | 1       |
| o-Terphenyl                          | 107       |           | 70 - 130 |     |       |   | 10/07/22 13:17 | 10/08/22 03:42 | 1       |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

Client Sample ID: DUPE 01

Lab Sample ID: 890-3150-5

Date Collected: 10/05/22 00:00

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 0

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

| Analyte             | Result | Qualifier | RL     | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| Benzene             | 0.330  |           | 0.101  |     | mg/Kg |   | 10/10/22 16:51 | 10/14/22 00:05 | 50      |
| Toluene             | 0.0396 |           | 0.0200 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 01:50 | 10      |
| Ethylbenzene        | 0.547  |           | 0.0200 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 01:50 | 10      |
| m-Xylene & p-Xylene | 0.380  |           | 0.201  |     | mg/Kg |   | 10/10/22 16:51 | 10/14/22 00:05 | 50      |
| o-Xylene            | 1.44   |           | 0.0200 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 01:50 | 10      |
| Xylenes, Total      | 0.380  |           | 0.201  |     | mg/Kg |   | 10/10/22 16:51 | 10/14/22 00:05 | 50      |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 88        |           | 70 - 130 | 10/10/22 16:51 | 10/14/22 00:05 | 50      |
| 1,4-Difluorobenzene (Surr)  | 91        |           | 70 - 130 | 10/10/22 16:51 | 10/14/22 00:05 | 50      |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL    | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|-------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 2.74   |           | 0.201 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 635    |           | 50.0 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U *1      | 50.0 |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 04:04 | 1       |
| Diesel Range Organics (Over C10-C28) | 559    |           | 50.0 |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 04:04 | 1       |
| Oil Range Organics (Over C28-C36)    | 76.1   |           | 50.0 |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 04:04 | 1       |
| Total TPH                            | 635    |           | 50.0 |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 04:04 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 99        |           | 70 - 130 | 10/07/22 13:17 | 10/08/22 04:04 | 1       |
| o-Terphenyl    | 106       |           | 70 - 130 | 10/07/22 13:17 | 10/08/22 04:04 | 1       |

Client Sample ID: SB02-S10-MS0

Lab Sample ID: 890-3150-6

Date Collected: 10/05/22 09:25

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 10

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

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U F1 F2   | 0.00199 |     | mg/Kg |   | 10/10/22 16:51 | 10/13/22 22:21 | 1       |
| Toluene             | <0.00199 | U F1      | 0.00199 |     | mg/Kg |   | 10/10/22 16:51 | 10/13/22 22:21 | 1       |
| Ethylbenzene        | <0.00199 | U F1      | 0.00199 |     | mg/Kg |   | 10/10/22 16:51 | 10/13/22 22:21 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U F1      | 0.00398 |     | mg/Kg |   | 10/10/22 16:51 | 10/13/22 22:21 | 1       |
| o-Xylene            | <0.00199 | U F1      | 0.00199 |     | mg/Kg |   | 10/10/22 16:51 | 10/13/22 22:21 | 1       |
| Xylenes, Total      | <0.00398 | U F1      | 0.00398 |     | mg/Kg |   | 10/10/22 16:51 | 10/13/22 22:21 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 116       |           | 70 - 130 | 10/10/22 16:51 | 10/13/22 22:21 | 1       |
| 1,4-Difluorobenzene (Surr)  | 82        |           | 70 - 130 | 10/10/22 16:51 | 10/13/22 22:21 | 1       |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

Client Sample ID: SB02-S10-MS0

Lab Sample ID: 890-3150-6

Date Collected: 10/05/22 09:25

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 10

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U *1      | 49.8 |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 01:33 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 01:33 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 01:33 | 1       |
| Total TPH                            | <49.8  | U         | 49.8 |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 01:33 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 1-Chlorooctane | 83        |           | 70 - 130 |  |  |  | 10/07/22 13:17 | 10/08/22 01:33 | 1       |
| o-Terphenyl    | 94        |           | 70 - 130 |  |  |  | 10/07/22 13:17 | 10/08/22 01:33 | 1       |

Client Sample ID: SB02-S17-MS 15.5

Lab Sample ID: 890-3150-7

Date Collected: 10/05/22 09:45

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 17

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

| Analyte             | Result  | Qualifier | RL     | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|---------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| Benzene             | 0.131   |           | 0.0994 |     | mg/Kg |   | 10/10/22 16:51 | 10/14/22 00:25 | 50      |
| Toluene             | <0.0199 | U         | 0.0199 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 02:10 | 10      |
| Ethylbenzene        | 0.421   |           | 0.0199 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 02:10 | 10      |
| m-Xylene & p-Xylene | 0.218   |           | 0.199  |     | mg/Kg |   | 10/10/22 16:51 | 10/14/22 00:25 | 50      |
| o-Xylene            | 1.12    |           | 0.0199 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 02:10 | 10      |
| Xylenes, Total      | 0.218   |           | 0.199  |     | mg/Kg |   | 10/10/22 16:51 | 10/14/22 00:25 | 50      |

| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 105       |           | 70 - 130 |  |  |  | 10/10/22 16:51 | 10/14/22 00:25 | 50      |
| 1,4-Difluorobenzene (Surr)  | 90        |           | 70 - 130 |  |  |  | 10/10/22 16:51 | 10/14/22 00:25 | 50      |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL    | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|-------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 1.89   |           | 0.199 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 322    |           | 49.8 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U *1      | 49.8 |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 04:25 | 1       |
| Diesel Range Organics (Over C10-C28) | 322    |           | 49.8 |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 04:25 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 04:25 | 1       |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

Client Sample ID: SB02-S17-MS 15.5

Lab Sample ID: 890-3150-7

Date Collected: 10/05/22 09:45

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 17

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

| Analyte        | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Total TPH      | 322       |           | 49.8     |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 04:25 | 1       |
| Surrogate      | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane | 87        |           | 70 - 130 |     |       |   | 10/07/22 13:17 | 10/08/22 04:25 | 1       |
| o-Terphenyl    | 96        |           | 70 - 130 |     |       |   | 10/07/22 13:17 | 10/08/22 04:25 | 1       |

Client Sample ID: SB03-S10-MS0

Lab Sample ID: 890-3150-8

Date Collected: 10/05/22 10:00

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 10

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

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | 0.0533    |           | 0.0200   |     | mg/Kg |   | 10/14/22 08:57 | 10/14/22 12:04 | 10      |
| Toluene                     | 0.0465    |           | 0.0200   |     | mg/Kg |   | 10/14/22 08:57 | 10/14/22 12:04 | 10      |
| Ethylbenzene                | <0.0200   | U         | 0.0200   |     | mg/Kg |   | 10/14/22 08:57 | 10/14/22 12:04 | 10      |
| m-Xylene & p-Xylene         | 0.256     |           | 0.0400   |     | mg/Kg |   | 10/14/22 08:57 | 10/14/22 12:04 | 10      |
| o-Xylene                    | <0.0200   | U         | 0.0200   |     | mg/Kg |   | 10/14/22 08:57 | 10/14/22 12:04 | 10      |
| Xylenes, Total              | 0.256     |           | 0.0400   |     | mg/Kg |   | 10/14/22 08:57 | 10/14/22 12:04 | 10      |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 123       |           | 70 - 130 |     |       |   | 10/14/22 08:57 | 10/14/22 12:04 | 10      |
| 1,4-Difluorobenzene (Surr)  | 80        |           | 70 - 130 |     |       |   | 10/14/22 08:57 | 10/14/22 12:04 | 10      |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL     | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|--------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 0.356  |           | 0.0400 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 1250   |           | 49.8 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 117       | *1        | 49.8     |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 04:47 | 1       |
| Diesel Range Organics (Over C10-C28) | 1000      |           | 49.8     |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 04:47 | 1       |
| Oil Range Organics (Over C28-C36)    | 137       |           | 49.8     |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 04:47 | 1       |
| Total TPH                            | 1250      |           | 49.8     |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 04:47 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 82        |           | 70 - 130 |     |       |   | 10/07/22 13:17 | 10/08/22 04:47 | 1       |
| o-Terphenyl                          | 90        |           | 70 - 130 |     |       |   | 10/07/22 13:17 | 10/08/22 04:47 | 1       |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

Client Sample ID: SB03-S15-MS 74.7

Lab Sample ID: 890-3150-9

Date Collected: 10/05/22 10:05

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 15

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

| Analyte             | Result  | Qualifier | RL     | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|---------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.0199 | U         | 0.0199 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 02:31 | 10      |
| Toluene             | <0.0199 | U         | 0.0199 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 02:31 | 10      |
| Ethylbenzene        | 0.370   |           | 0.0199 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 02:31 | 10      |
| m-Xylene & p-Xylene | 0.200   |           | 0.199  |     | mg/Kg |   | 10/10/22 16:51 | 10/14/22 01:07 | 50      |
| o-Xylene            | 1.03    |           | 0.0199 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 02:31 | 10      |
| Xylenes, Total      | 0.200   |           | 0.199  |     | mg/Kg |   | 10/10/22 16:51 | 10/14/22 01:07 | 50      |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 102       |           | 70 - 130 | 10/10/22 16:51 | 10/14/22 01:07 | 50      |
| 1,4-Difluorobenzene (Surr)  | 87        |           | 70 - 130 | 10/10/22 16:51 | 10/14/22 01:07 | 50      |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL    | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|-------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 1.60   |           | 0.199 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 329    |           | 49.9 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U *1      | 49.9 |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 05:08 | 1       |
| Diesel Range Organics (Over C10-C28) | 329    |           | 49.9 |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 05:08 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 05:08 | 1       |
| Total TPH                            | 329    |           | 49.9 |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 05:08 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 86        |           | 70 - 130 | 10/07/22 13:17 | 10/08/22 05:08 | 1       |
| o-Terphenyl    | 95        |           | 70 - 130 | 10/07/22 13:17 | 10/08/22 05:08 | 1       |

Client Sample ID: MSD DUPE 1

Lab Sample ID: 890-3150-10

Date Collected: 10/05/22 00:00

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 0

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

| Analyte             | Result | Qualifier | RL    | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.100 | U         | 0.100 |     | mg/Kg |   | 10/10/22 16:51 | 10/14/22 01:28 | 50      |
| Toluene             | <0.100 | U         | 0.100 |     | mg/Kg |   | 10/10/22 16:51 | 10/14/22 01:28 | 50      |
| Ethylbenzene        | <0.100 | U         | 0.100 |     | mg/Kg |   | 10/10/22 16:51 | 10/14/22 01:28 | 50      |
| m-Xylene & p-Xylene | 0.317  |           | 0.200 |     | mg/Kg |   | 10/10/22 16:51 | 10/14/22 01:28 | 50      |
| o-Xylene            | <0.100 | U         | 0.100 |     | mg/Kg |   | 10/10/22 16:51 | 10/14/22 01:28 | 50      |
| Xylenes, Total      | 0.317  |           | 0.200 |     | mg/Kg |   | 10/10/22 16:51 | 10/14/22 01:28 | 50      |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 100       |           | 70 - 130 | 10/10/22 16:51 | 10/14/22 01:28 | 50      |
| 1,4-Difluorobenzene (Surr)  | 83        |           | 70 - 130 | 10/10/22 16:51 | 10/14/22 01:28 | 50      |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

## Client Sample ID: MSD DUPE 1

## Lab Sample ID: 890-3150-10

Date Collected: 10/05/22 00:00

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 0

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL    | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|-------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 0.317  |           | 0.200 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 241    |           | 50.0 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U *1      | 50.0 |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 05:30 | 1       |
| Diesel Range Organics (Over C10-C28) | 241    |           | 50.0 |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 05:30 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 05:30 | 1       |
| Total TPH                            | 241    |           | 50.0 |     | mg/Kg |   | 10/07/22 13:17 | 10/08/22 05:30 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 1-Chlorooctane | 86        |           | 70 - 130 |  |  |  | 10/07/22 13:17 | 10/08/22 05:30 | 1       |
| o-Terphenyl    | 95        |           | 70 - 130 |  |  |  | 10/07/22 13:17 | 10/08/22 05:30 | 1       |

## Client Sample ID: SB03-S17-MS 3.4

## Lab Sample ID: 890-3150-11

Date Collected: 10/05/22 10:10

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 17

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

| Analyte             | Result  | Qualifier | RL     | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|---------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.0201 | U         | 0.0201 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 02:51 | 10      |
| Toluene             | <0.0201 | U         | 0.0201 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 02:51 | 10      |
| Ethylbenzene        | 0.199   |           | 0.0201 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 02:51 | 10      |
| m-Xylene & p-Xylene | 0.0703  |           | 0.0402 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 02:51 | 10      |
| o-Xylene            | 0.560   |           | 0.0201 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 02:51 | 10      |
| Xylenes, Total      | 0.630   |           | 0.0402 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 02:51 | 10      |

| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 99        |           | 70 - 130 |  |  |  | 10/14/22 13:40 | 10/16/22 02:51 | 10      |
| 1,4-Difluorobenzene (Surr)  | 84        |           | 70 - 130 |  |  |  | 10/14/22 13:40 | 10/16/22 02:51 | 10      |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL     | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|--------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 0.829  |           | 0.0402 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 800    |           | 49.8 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 70.3   |           | 49.8 |     | mg/Kg |   | 10/07/22 13:10 | 10/08/22 03:21 | 1       |
| Diesel Range Organics (Over C10-C28) | 730    |           | 49.8 |     | mg/Kg |   | 10/07/22 13:10 | 10/08/22 03:21 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 |     | mg/Kg |   | 10/07/22 13:10 | 10/08/22 03:21 | 1       |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

## Client Sample ID: SB03-S17-MS 3.4

Lab Sample ID: 890-3150-11

Date Collected: 10/05/22 10:10

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 17

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

| Analyte          | Result           | Qualifier        | RL            | MDL | Unit  | D | Prepared        | Analyzed        | Dil Fac        |
|------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Total TPH        | 800              |                  | 49.8          |     | mg/Kg |   | 10/07/22 13:10  | 10/08/22 03:21  | 1              |
| <b>Surrogate</b> | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |     |       |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| 1-Chlorooctane   | 110              |                  | 70 - 130      |     |       |   | 10/07/22 13:10  | 10/08/22 03:21  | 1              |
| o-Terphenyl      | 106              |                  | 70 - 130      |     |       |   | 10/07/22 13:10  | 10/08/22 03:21  | 1              |

## Client Sample ID: SB04-S5-MS 0

Lab Sample ID: 890-3150-12

Date Collected: 10/05/22 10:20

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 5

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

| Analyte                     | Result           | Qualifier        | RL            | MDL | Unit  | D | Prepared        | Analyzed        | Dil Fac        |
|-----------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Benzene                     | <0.00202         | U                | 0.00202       |     | mg/Kg |   | 10/10/22 16:51  | 10/14/22 03:12  | 1              |
| Toluene                     | <0.00202         | U                | 0.00202       |     | mg/Kg |   | 10/10/22 16:51  | 10/14/22 03:12  | 1              |
| Ethylbenzene                | <0.00202         | U                | 0.00202       |     | mg/Kg |   | 10/10/22 16:51  | 10/14/22 03:12  | 1              |
| m-Xylene & p-Xylene         | <0.00403         | U                | 0.00403       |     | mg/Kg |   | 10/10/22 16:51  | 10/14/22 03:12  | 1              |
| o-Xylene                    | <0.00202         | U                | 0.00202       |     | mg/Kg |   | 10/10/22 16:51  | 10/14/22 03:12  | 1              |
| Xylenes, Total              | <0.00403         | U                | 0.00403       |     | mg/Kg |   | 10/10/22 16:51  | 10/14/22 03:12  | 1              |
| <b>Surrogate</b>            | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |     |       |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| 4-Bromofluorobenzene (Surr) | 111              |                  | 70 - 130      |     |       |   | 10/10/22 16:51  | 10/14/22 03:12  | 1              |
| 1,4-Difluorobenzene (Surr)  | 98               |                  | 70 - 130      |     |       |   | 10/10/22 16:51  | 10/14/22 03:12  | 1              |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00403 | U         | 0.00403 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 1870   |           | 49.9 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                              | Result           | Qualifier        | RL            | MDL | Unit  | D | Prepared        | Analyzed        | Dil Fac        |
|--------------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Gasoline Range Organics (GRO)-C6-C10 | 203              |                  | 49.9          |     | mg/Kg |   | 10/07/22 13:10  | 10/08/22 03:42  | 1              |
| Diesel Range Organics (Over C10-C28) | 1670             |                  | 49.9          |     | mg/Kg |   | 10/07/22 13:10  | 10/08/22 03:42  | 1              |
| Oil Range Organics (Over C28-C36)    | <49.9            | U                | 49.9          |     | mg/Kg |   | 10/07/22 13:10  | 10/08/22 03:42  | 1              |
| Total TPH                            | 1870             |                  | 49.9          |     | mg/Kg |   | 10/07/22 13:10  | 10/08/22 03:42  | 1              |
| <b>Surrogate</b>                     | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |     |       |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| 1-Chlorooctane                       | 97               |                  | 70 - 130      |     |       |   | 10/07/22 13:10  | 10/08/22 03:42  | 1              |
| o-Terphenyl                          | 91               |                  | 70 - 130      |     |       |   | 10/07/22 13:10  | 10/08/22 03:42  | 1              |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

Client Sample ID: SB04-S10-MS 10.7

Lab Sample ID: 890-3150-13

Date Collected: 10/05/22 10:25

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 10

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

| Analyte             | Result  | Qualifier | RL     | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|---------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.0198 | U         | 0.0198 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 03:12 | 10      |
| Toluene             | 0.211   |           | 0.0198 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 03:12 | 10      |
| Ethylbenzene        | 0.549   |           | 0.0198 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 03:12 | 10      |
| m-Xylene & p-Xylene | 0.557   |           | 0.200  |     | mg/Kg |   | 10/10/22 16:51 | 10/14/22 03:54 | 50      |
| o-Xylene            | 1.51    |           | 0.0198 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 03:12 | 10      |
| Xylenes, Total      | 0.557   |           | 0.200  |     | mg/Kg |   | 10/10/22 16:51 | 10/14/22 03:54 | 50      |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 115       |           | 70 - 130 | 10/10/22 16:51 | 10/14/22 03:54 | 50      |
| 1,4-Difluorobenzene (Surr)  | 86        |           | 70 - 130 | 10/10/22 16:51 | 10/14/22 03:54 | 50      |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL    | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|-------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 2.83   |           | 0.200 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 2110   |           | 50.0 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 228    |           | 50.0 |     | mg/Kg |   | 10/07/22 13:10 | 10/08/22 04:04 | 1       |
| Diesel Range Organics (Over C10-C28) | 1880   |           | 50.0 |     | mg/Kg |   | 10/07/22 13:10 | 10/08/22 04:04 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 10/07/22 13:10 | 10/08/22 04:04 | 1       |
| Total TPH                            | 2110   |           | 50.0 |     | mg/Kg |   | 10/07/22 13:10 | 10/08/22 04:04 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 109       |           | 70 - 130 | 10/07/22 13:10 | 10/08/22 04:04 | 1       |
| o-Terphenyl    | 103       |           | 70 - 130 | 10/07/22 13:10 | 10/08/22 04:04 | 1       |

Client Sample ID: SB04-S17-MS 66

Lab Sample ID: 890-3150-14

Date Collected: 10/05/22 10:35

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 17

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

| Analyte             | Result | Qualifier | RL     | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| Benzene             | 0.318  |           | 0.0996 |     | mg/Kg |   | 10/10/22 16:51 | 10/14/22 04:15 | 50      |
| Toluene             | 0.690  |           | 0.0201 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 06:23 | 10      |
| Ethylbenzene        | 0.375  |           | 0.0996 |     | mg/Kg |   | 10/10/22 16:51 | 10/14/22 04:15 | 50      |
| m-Xylene & p-Xylene | 1.06   |           | 0.199  |     | mg/Kg |   | 10/10/22 16:51 | 10/14/22 04:15 | 50      |
| o-Xylene            | 0.155  |           | 0.0996 |     | mg/Kg |   | 10/10/22 16:51 | 10/14/22 04:15 | 50      |
| Xylenes, Total      | 1.22   |           | 0.199  |     | mg/Kg |   | 10/10/22 16:51 | 10/14/22 04:15 | 50      |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 104       |           | 70 - 130 | 10/10/22 16:51 | 10/14/22 04:15 | 50      |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 | 10/10/22 16:51 | 10/14/22 04:15 | 50      |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

Client Sample ID: SB04-S17-MS 66

Lab Sample ID: 890-3150-14

Date Collected: 10/05/22 10:35

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 17

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL    | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|-------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 2.60   |           | 0.199 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 1600   |           | 50.0 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 231    |           | 50.0 |     | mg/Kg |   | 10/07/22 13:10 | 10/08/22 04:25 | 1       |
| Diesel Range Organics (Over C10-C28) | 1370   |           | 50.0 |     | mg/Kg |   | 10/07/22 13:10 | 10/08/22 04:25 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 10/07/22 13:10 | 10/08/22 04:25 | 1       |
| Total TPH                            | 1600   |           | 50.0 |     | mg/Kg |   | 10/07/22 13:10 | 10/08/22 04:25 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 1-Chlorooctane | 106       |           | 70 - 130 |  |  |  | 10/07/22 13:10 | 10/08/22 04:25 | 1       |
| o-Terphenyl    | 100       |           | 70 - 130 |  |  |  | 10/07/22 13:10 | 10/08/22 04:25 | 1       |

Client Sample ID: SB05-S5-MS 53

Lab Sample ID: 890-3150-15

Date Collected: 10/05/22 10:45

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 5

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

| Analyte             | Result  | Qualifier | RL     | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|---------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.0202 | U         | 0.0202 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 06:43 | 10      |
| Toluene             | 0.0571  |           | 0.0202 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 06:43 | 10      |
| Ethylbenzene        | 0.128   |           | 0.0202 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 06:43 | 10      |
| m-Xylene & p-Xylene | 0.0549  |           | 0.0403 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 06:43 | 10      |
| o-Xylene            | <0.0202 | U         | 0.0202 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 06:43 | 10      |
| Xylenes, Total      | 0.0549  |           | 0.0403 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 06:43 | 10      |

| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 88        |           | 70 - 130 |  |  |  | 10/14/22 13:40 | 10/16/22 06:43 | 10      |
| 1,4-Difluorobenzene (Surr)  | 81        |           | 70 - 130 |  |  |  | 10/14/22 13:40 | 10/16/22 06:43 | 10      |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL     | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|--------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 0.240  |           | 0.0403 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 3510   |           | 50.0 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 175    |           | 50.0 |     | mg/Kg |   | 10/07/22 13:10 | 10/08/22 08:10 | 1       |
| Diesel Range Organics (Over C10-C28) | 3330   |           | 50.0 |     | mg/Kg |   | 10/07/22 13:10 | 10/08/22 08:10 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 10/07/22 13:10 | 10/08/22 08:10 | 1       |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

Client Sample ID: SB05-S5-MS 53

Lab Sample ID: 890-3150-15

Date Collected: 10/05/22 10:45

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 5

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

| Analyte          | Result           | Qualifier        | RL            | MDL | Unit  | D | Prepared        | Analyzed        | Dil Fac        |
|------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Total TPH        | 3510             |                  | 50.0          |     | mg/Kg |   | 10/07/22 13:10  | 10/08/22 08:10  | 1              |
| <b>Surrogate</b> | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |     |       |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| 1-Chlorooctane   | 99               |                  | 70 - 130      |     |       |   | 10/07/22 13:10  | 10/08/22 08:10  | 1              |
| o-Terphenyl      | 94               |                  | 70 - 130      |     |       |   | 10/07/22 13:10  | 10/08/22 08:10  | 1              |

Client Sample ID: DUPE 02

Lab Sample ID: 890-3150-16

Date Collected: 10/05/22 00:00

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 0

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

| Analyte                     | Result           | Qualifier        | RL            | MDL | Unit  | D | Prepared        | Analyzed        | Dil Fac        |
|-----------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Benzene                     | <0.0200          | U                | 0.0200        |     | mg/Kg |   | 10/14/22 13:40  | 10/16/22 07:03  | 10             |
| Toluene                     | <0.0200          | U                | 0.0200        |     | mg/Kg |   | 10/14/22 13:40  | 10/16/22 07:03  | 10             |
| Ethylbenzene                | <0.0200          | U                | 0.0200        |     | mg/Kg |   | 10/14/22 13:40  | 10/16/22 07:03  | 10             |
| m-Xylene & p-Xylene         | <0.0399          | U                | 0.0399        |     | mg/Kg |   | 10/14/22 13:40  | 10/16/22 07:03  | 10             |
| o-Xylene                    | <0.0200          | U                | 0.0200        |     | mg/Kg |   | 10/14/22 13:40  | 10/16/22 07:03  | 10             |
| Xylenes, Total              | <0.0399          | U                | 0.0399        |     | mg/Kg |   | 10/14/22 13:40  | 10/16/22 07:03  | 10             |
| <b>Surrogate</b>            | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |     |       |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| 4-Bromofluorobenzene (Surr) | 78               |                  | 70 - 130      |     |       |   | 10/14/22 13:40  | 10/16/22 07:03  | 10             |
| 1,4-Difluorobenzene (Surr)  | 67               | S1-              | 70 - 130      |     |       |   | 10/14/22 13:40  | 10/16/22 07:03  | 10             |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result  | Qualifier | RL     | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|---------|-----------|--------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.0399 | U         | 0.0399 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 2830   |           | 49.8 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                                     | Result           | Qualifier        | RL            | MDL | Unit         | D | Prepared              | Analyzed              | Dil Fac        |
|---------------------------------------------|------------------|------------------|---------------|-----|--------------|---|-----------------------|-----------------------|----------------|
| Gasoline Range Organics (GRO)-C6-C10        | <49.8            | U                | 49.8          |     | mg/Kg        |   | 10/07/22 13:10        | 10/08/22 08:31        | 1              |
| <b>Diesel Range Organics (Over C10-C28)</b> | <b>2830</b>      |                  | <b>49.8</b>   |     | <b>mg/Kg</b> |   | <b>10/07/22 13:10</b> | <b>10/08/22 08:31</b> | <b>1</b>       |
| Oil Range Organics (Over C28-C36)           | <49.8            | U                | 49.8          |     | mg/Kg        |   | 10/07/22 13:10        | 10/08/22 08:31        | 1              |
| Total TPH                                   | 2830             |                  | 49.8          |     | mg/Kg        |   | 10/07/22 13:10        | 10/08/22 08:31        | 1              |
| <b>Surrogate</b>                            | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |     |              |   | <b>Prepared</b>       | <b>Analyzed</b>       | <b>Dil Fac</b> |
| 1-Chlorooctane                              | 99               |                  | 70 - 130      |     |              |   | 10/07/22 13:10        | 10/08/22 08:31        | 1              |
| o-Terphenyl                                 | 91               |                  | 70 - 130      |     |              |   | 10/07/22 13:10        | 10/08/22 08:31        | 1              |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

Client Sample ID: SB05-S10-MS 76

Lab Sample ID: 890-3150-17

Date Collected: 10/05/22 10:50

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 10

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

| Analyte             | Result | Qualifier | RL     | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| Benzene             | 0.132  |           | 0.0998 |     | mg/Kg |   | 10/10/22 16:51 | 10/14/22 05:17 | 50      |
| Toluene             | 1.01   |           | 0.0199 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 07:24 | 10      |
| Ethylbenzene        | 0.648  |           | 0.0199 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 07:24 | 10      |
| m-Xylene & p-Xylene | 0.492  |           | 0.200  |     | mg/Kg |   | 10/10/22 16:51 | 10/14/22 05:17 | 50      |
| o-Xylene            | 1.59   |           | 0.0199 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 07:24 | 10      |
| Xylenes, Total      | 0.492  |           | 0.200  |     | mg/Kg |   | 10/10/22 16:51 | 10/14/22 05:17 | 50      |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 127       |           | 70 - 130 | 10/10/22 16:51 | 10/14/22 05:17 | 50      |
| 1,4-Difluorobenzene (Surr)  | 88        |           | 70 - 130 | 10/10/22 16:51 | 10/14/22 05:17 | 50      |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL    | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|-------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 3.87   |           | 0.200 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 3090   |           | 49.8 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 406    |           | 49.8 |     | mg/Kg |   | 10/07/22 13:10 | 10/08/22 04:47 | 1       |
| Diesel Range Organics (Over C10-C28) | 2680   |           | 49.8 |     | mg/Kg |   | 10/07/22 13:10 | 10/08/22 04:47 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 |     | mg/Kg |   | 10/07/22 13:10 | 10/08/22 04:47 | 1       |
| Total TPH                            | 3090   |           | 49.8 |     | mg/Kg |   | 10/07/22 13:10 | 10/08/22 04:47 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 111       |           | 70 - 130 | 10/07/22 13:10 | 10/08/22 04:47 | 1       |
| o-Terphenyl    | 106       |           | 70 - 130 | 10/07/22 13:10 | 10/08/22 04:47 | 1       |

Client Sample ID: MSD DUPE 2

Lab Sample ID: 890-3150-18

Date Collected: 10/05/22 00:00

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 0

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

| Analyte             | Result | Qualifier | RL     | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| Benzene             | 0.177  |           | 0.0996 |     | mg/Kg |   | 10/10/22 16:51 | 10/14/22 05:37 | 50      |
| Toluene             | 0.115  |           | 0.0996 |     | mg/Kg |   | 10/10/22 16:51 | 10/14/22 05:37 | 50      |
| Ethylbenzene        | 0.788  |           | 0.0201 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 07:44 | 10      |
| m-Xylene & p-Xylene | 0.633  |           | 0.199  |     | mg/Kg |   | 10/10/22 16:51 | 10/14/22 05:37 | 50      |
| o-Xylene            | 1.92   |           | 0.0201 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 07:44 | 10      |
| Xylenes, Total      | 0.633  |           | 0.199  |     | mg/Kg |   | 10/10/22 16:51 | 10/14/22 05:37 | 50      |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 108       |           | 70 - 130 | 10/10/22 16:51 | 10/14/22 05:37 | 50      |
| 1,4-Difluorobenzene (Surr)  | 88        |           | 70 - 130 | 10/10/22 16:51 | 10/14/22 05:37 | 50      |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

Client Sample ID: MSD DUPE 2

Lab Sample ID: 890-3150-18

Date Collected: 10/05/22 00:00

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 0

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL    | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|-------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 3.63   |           | 0.199 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 2220   |           | 49.8 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 294    |           | 49.8 |     | mg/Kg |   | 10/07/22 13:10 | 10/08/22 05:08 | 1       |
| Diesel Range Organics (Over C10-C28) | 1930   |           | 49.8 |     | mg/Kg |   | 10/07/22 13:10 | 10/08/22 05:08 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 |     | mg/Kg |   | 10/07/22 13:10 | 10/08/22 05:08 | 1       |
| Total TPH                            | 2220   |           | 49.8 |     | mg/Kg |   | 10/07/22 13:10 | 10/08/22 05:08 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 1-Chlorooctane | 112       |           | 70 - 130 |  |  |  | 10/07/22 13:10 | 10/08/22 05:08 | 1       |
| o-Terphenyl    | 104       |           | 70 - 130 |  |  |  | 10/07/22 13:10 | 10/08/22 05:08 | 1       |

Client Sample ID: SB05-S17-MS 80.2

Lab Sample ID: 890-3150-19

Date Collected: 10/05/22 11:00

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 17

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

| Analyte             | Result  | Qualifier | RL     | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|---------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.0200 | U         | 0.0200 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 08:04 | 10      |
| Toluene             | 0.171   |           | 0.0200 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 08:04 | 10      |
| Ethylbenzene        | 0.182   |           | 0.0200 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 08:04 | 10      |
| m-Xylene & p-Xylene | 0.303   |           | 0.0399 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 08:04 | 10      |
| o-Xylene            | 0.767   |           | 0.0200 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 08:04 | 10      |
| Xylenes, Total      | 1.07    |           | 0.0399 |     | mg/Kg |   | 10/14/22 13:40 | 10/16/22 08:04 | 10      |

| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 84        |           | 70 - 130 |  |  |  | 10/14/22 13:40 | 10/16/22 08:04 | 10      |
| 1,4-Difluorobenzene (Surr)  | 67        | S1-       | 70 - 130 |  |  |  | 10/14/22 13:40 | 10/16/22 08:04 | 10      |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL     | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|--------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 1.42   |           | 0.0399 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 386    |           | 49.9 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 10/07/22 13:10 | 10/08/22 05:30 | 1       |
| Diesel Range Organics (Over C10-C28) | 386    |           | 49.9 |     | mg/Kg |   | 10/07/22 13:10 | 10/08/22 05:30 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 10/07/22 13:10 | 10/08/22 05:30 | 1       |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

Client Sample ID: SB05-S17-MS 80.2

Lab Sample ID: 890-3150-19

Date Collected: 10/05/22 11:00

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 17

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

| Analyte          | Result           | Qualifier        | RL            | MDL | Unit  | D | Prepared        | Analyzed        | Dil Fac        |
|------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Total TPH        | 386              |                  | 49.9          |     | mg/Kg |   | 10/07/22 13:10  | 10/08/22 05:30  | 1              |
| <b>Surrogate</b> | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |     |       |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| 1-Chlorooctane   | 95               |                  | 70 - 130      |     |       |   | 10/07/22 13:10  | 10/08/22 05:30  | 1              |
| o-Terphenyl      | 93               |                  | 70 - 130      |     |       |   | 10/07/22 13:10  | 10/08/22 05:30  | 1              |

Client Sample ID: SB06-S10-MS 0

Lab Sample ID: 890-3150-20

Date Collected: 10/05/22 11:12

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 10

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

| Analyte                     | Result           | Qualifier        | RL            | MDL | Unit  | D | Prepared        | Analyzed        | Dil Fac        |
|-----------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Benzene                     | <0.00202         | U                | 0.00202       |     | mg/Kg |   | 10/10/22 16:51  | 10/14/22 02:52  | 1              |
| Toluene                     | <0.00202         | U                | 0.00202       |     | mg/Kg |   | 10/10/22 16:51  | 10/14/22 02:52  | 1              |
| Ethylbenzene                | <0.00202         | U                | 0.00202       |     | mg/Kg |   | 10/10/22 16:51  | 10/14/22 02:52  | 1              |
| m-Xylene & p-Xylene         | <0.00404         | U                | 0.00404       |     | mg/Kg |   | 10/10/22 16:51  | 10/14/22 02:52  | 1              |
| o-Xylene                    | <0.00202         | U                | 0.00202       |     | mg/Kg |   | 10/10/22 16:51  | 10/14/22 02:52  | 1              |
| Xylenes, Total              | <0.00404         | U                | 0.00404       |     | mg/Kg |   | 10/10/22 16:51  | 10/14/22 02:52  | 1              |
| <b>Surrogate</b>            | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |     |       |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| 4-Bromofluorobenzene (Surr) | 106              |                  | 70 - 130      |     |       |   | 10/10/22 16:51  | 10/14/22 02:52  | 1              |
| 1,4-Difluorobenzene (Surr)  | 86               |                  | 70 - 130      |     |       |   | 10/10/22 16:51  | 10/14/22 02:52  | 1              |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00404 | U         | 0.00404 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                              | Result           | Qualifier        | RL            | MDL | Unit  | D | Prepared        | Analyzed        | Dil Fac        |
|--------------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0            | U                | 50.0          |     | mg/Kg |   | 10/07/22 13:10  | 10/08/22 00:50  | 1              |
| Diesel Range Organics (Over C10-C28) | <50.0            | U                | 50.0          |     | mg/Kg |   | 10/07/22 13:10  | 10/08/22 00:50  | 1              |
| Oil Range Organics (Over C28-C36)    | <50.0            | U                | 50.0          |     | mg/Kg |   | 10/07/22 13:10  | 10/08/22 00:50  | 1              |
| Total TPH                            | <50.0            | U                | 50.0          |     | mg/Kg |   | 10/07/22 13:10  | 10/08/22 00:50  | 1              |
| <b>Surrogate</b>                     | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |     |       |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| 1-Chlorooctane                       | 88               |                  | 70 - 130      |     |       |   | 10/07/22 13:10  | 10/08/22 00:50  | 1              |
| o-Terphenyl                          | 85               |                  | 70 - 130      |     |       |   | 10/07/22 13:10  | 10/08/22 00:50  | 1              |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

Client Sample ID: SB06-S15-MS 68

Lab Sample ID: 890-3150-21

Date Collected: 10/05/22 11:15

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 15

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

| Analyte             | Result  | Qualifier | RL     | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|---------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| Benzene             | 0.0313  |           | 0.0201 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 10:38 | 10      |
| Toluene             | 0.0523  |           | 0.0201 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 10:38 | 10      |
| Ethylbenzene        | 0.196   |           | 0.0201 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 10:38 | 10      |
| m-Xylene & p-Xylene | 0.436   |           | 0.0402 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 10:38 | 10      |
| o-Xylene            | <0.0201 | U         | 0.0201 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 10:38 | 10      |
| Xylenes, Total      | 0.436   |           | 0.0402 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 10:38 | 10      |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 117       |           | 70 - 130 | 10/10/22 16:53 | 10/15/22 10:38 | 10      |
| 1,4-Difluorobenzene (Surr)  | 109       |           | 70 - 130 | 10/10/22 16:53 | 10/15/22 10:38 | 10      |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL     | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|--------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 0.716  |           | 0.0402 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 286    |           | 49.9 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 13:21 | 1       |
| Diesel Range Organics (Over C10-C28) | 286    |           | 49.9 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 13:21 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 13:21 | 1       |
| Total TPH                            | 286    |           | 49.9 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 13:21 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 99        |           | 70 - 130 | 10/07/22 07:40 | 10/07/22 13:21 | 1       |
| o-Terphenyl    | 100       |           | 70 - 130 | 10/07/22 07:40 | 10/07/22 13:21 | 1       |

Client Sample ID: SB06-S17-MS 19.4

Lab Sample ID: 890-3150-22

Date Collected: 10/05/22 11:20

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 17

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

| Analyte             | Result  | Qualifier | RL     | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|---------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| Benzene             | 0.0695  |           | 0.0202 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 10:59 | 10      |
| Toluene             | 0.0298  |           | 0.0202 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 10:59 | 10      |
| Ethylbenzene        | 0.105   |           | 0.0202 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 10:59 | 10      |
| m-Xylene & p-Xylene | 0.213   |           | 0.0403 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 10:59 | 10      |
| o-Xylene            | <0.0202 | U         | 0.0202 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 10:59 | 10      |
| Xylenes, Total      | 0.213   |           | 0.0403 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 10:59 | 10      |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 114       |           | 70 - 130 | 10/10/22 16:53 | 10/15/22 10:59 | 10      |
| 1,4-Difluorobenzene (Surr)  | 103       |           | 70 - 130 | 10/10/22 16:53 | 10/15/22 10:59 | 10      |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

Client Sample ID: SB06-S17-MS 19.4

Lab Sample ID: 890-3150-22

Date Collected: 10/05/22 11:20

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 17

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL     | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|--------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 0.417  |           | 0.0403 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 215    |           | 49.9 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 13:42 | 1       |
| Diesel Range Organics (Over C10-C28) | 215    |           | 49.9 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 13:42 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 13:42 | 1       |
| Total TPH                            | 215    |           | 49.9 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 13:42 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 1-Chlorooctane | 106       |           | 70 - 130 |  |  |  | 10/07/22 07:40 | 10/07/22 13:42 | 1       |
| o-Terphenyl    | 103       |           | 70 - 130 |  |  |  | 10/07/22 07:40 | 10/07/22 13:42 | 1       |

Client Sample ID: SB07-S10-MS 0

Lab Sample ID: 890-3150-23

Date Collected: 10/05/22 11:30

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 10

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

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U F1 F2   | 0.00200 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 09:15 | 1       |
| Toluene             | <0.00200 | U F1 F2   | 0.00200 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 09:15 | 1       |
| Ethylbenzene        | <0.00200 | U F1      | 0.00200 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 09:15 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U F1      | 0.00399 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 09:15 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 09:15 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 09:15 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 111       |           | 70 - 130 |  |  |  | 10/10/22 16:53 | 10/15/22 09:15 | 1       |
| 1,4-Difluorobenzene (Surr)  | 88        |           | 70 - 130 |  |  |  | 10/10/22 16:53 | 10/15/22 09:15 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 13:00 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 13:00 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 13:00 | 1       |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

## Client Sample ID: SB07-S10-MS 0

## Lab Sample ID: 890-3150-23

Date Collected: 10/05/22 11:30

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 10

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

| Analyte        | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Total TPH      | <49.9     | U         | 49.9     |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 13:00 | 1       |
| Surrogate      | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane | 115       |           | 70 - 130 |     |       |   | 10/07/22 07:40 | 10/07/22 13:00 | 1       |
| o-Terphenyl    | 114       |           | 70 - 130 |     |       |   | 10/07/22 07:40 | 10/07/22 13:00 | 1       |

## Client Sample ID: SB07-S18-MS 69

## Lab Sample ID: 890-3150-24

Date Collected: 10/05/22 11:35

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 15

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

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | 0.0463    |           | 0.0199   |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 11:19 | 10      |
| Toluene                     | 0.0411    |           | 0.0199   |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 11:19 | 10      |
| Ethylbenzene                | 0.326     |           | 0.0199   |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 11:19 | 10      |
| m-Xylene & p-Xylene         | 0.787     |           | 0.0398   |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 11:19 | 10      |
| o-Xylene                    | 0.762     |           | 0.0199   |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 11:19 | 10      |
| Xylenes, Total              | 1.55      |           | 0.0398   |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 11:19 | 10      |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 125       |           | 70 - 130 |     |       |   | 10/10/22 16:53 | 10/15/22 11:19 | 10      |
| 1,4-Difluorobenzene (Surr)  | 100       |           | 70 - 130 |     |       |   | 10/10/22 16:53 | 10/15/22 11:19 | 10      |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL     | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|--------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 1.96   |           | 0.0398 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 407    |           | 50.0 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 14:04 | 1       |
| Diesel Range Organics (Over C10-C28) | 407       |           | 50.0     |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 14:04 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 14:04 | 1       |
| Total TPH                            | 407       |           | 50.0     |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 14:04 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 100       |           | 70 - 130 |     |       |   | 10/07/22 07:40 | 10/07/22 14:04 | 1       |
| o-Terphenyl                          | 98        |           | 70 - 130 |     |       |   | 10/07/22 07:40 | 10/07/22 14:04 | 1       |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

Client Sample ID: SB07-S17-MS 94

Lab Sample ID: 890-3150-25

Date Collected: 10/05/22 11:45

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 17

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

| Analyte             | Result  | Qualifier | RL     | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|---------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| Benzene             | 0.0297  |           | 0.0202 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 11:40 | 10      |
| Toluene             | <0.0202 | U         | 0.0202 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 11:40 | 10      |
| Ethylbenzene        | 0.275   |           | 0.0202 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 11:40 | 10      |
| m-Xylene & p-Xylene | 0.709   |           | 0.0403 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 11:40 | 10      |
| o-Xylene            | 0.709   |           | 0.0202 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 11:40 | 10      |
| Xylenes, Total      | 1.42    |           | 0.0403 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 11:40 | 10      |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 124       |           | 70 - 130 | 10/10/22 16:53 | 10/15/22 11:40 | 10      |
| 1,4-Difluorobenzene (Surr)  | 103       |           | 70 - 130 | 10/10/22 16:53 | 10/15/22 11:40 | 10      |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL     | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|--------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 1.72   |           | 0.0403 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 346    |           | 49.9 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 14:25 | 1       |
| Diesel Range Organics (Over C10-C28) | 346    |           | 49.9 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 14:25 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 14:25 | 1       |
| Total TPH                            | 346    |           | 49.9 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 14:25 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 114       |           | 70 - 130 | 10/07/22 07:40 | 10/07/22 14:25 | 1       |
| o-Terphenyl    | 111       |           | 70 - 130 | 10/07/22 07:40 | 10/07/22 14:25 | 1       |

Client Sample ID: SB08-S5-MS 0

Lab Sample ID: 890-3150-26

Date Collected: 10/05/22 11:55

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 5

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

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 09:36 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 09:36 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 09:36 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 09:36 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 09:36 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 09:36 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 107       |           | 70 - 130 | 10/10/22 16:53 | 10/15/22 09:36 | 1       |
| 1,4-Difluorobenzene (Surr)  | 96        |           | 70 - 130 | 10/10/22 16:53 | 10/15/22 09:36 | 1       |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

Client Sample ID: SB08-S5-MS 0

Lab Sample ID: 890-3150-26

Date Collected: 10/05/22 11:55

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 5

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 1140   |           | 50.0 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 14:46 | 1       |
| Diesel Range Organics (Over C10-C28) | 1140   |           | 50.0 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 14:46 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 14:46 | 1       |
| Total TPH                            | 1140   |           | 50.0 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 14:46 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 1-Chlorooctane | 116       |           | 70 - 130 |  |  |  | 10/07/22 07:40 | 10/07/22 14:46 | 1       |
| o-Terphenyl    | 108       |           | 70 - 130 |  |  |  | 10/07/22 07:40 | 10/07/22 14:46 | 1       |

Client Sample ID: SB08-S10-MS 1.4

Lab Sample ID: 890-3150-27

Date Collected: 10/05/22 11:57

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 10

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

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 09:56 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 09:56 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 09:56 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 09:56 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 09:56 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 09:56 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 112       |           | 70 - 130 |  |  |  | 10/10/22 16:53 | 10/15/22 09:56 | 1       |
| 1,4-Difluorobenzene (Surr)  | 87        |           | 70 - 130 |  |  |  | 10/10/22 16:53 | 10/15/22 09:56 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 1590   |           | 50.0 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 10/07/22 07:40 | 10/08/22 08:53 | 1       |
| Diesel Range Organics (Over C10-C28) | 1590   |           | 50.0 |     | mg/Kg |   | 10/07/22 07:40 | 10/08/22 08:53 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 10/07/22 07:40 | 10/08/22 08:53 | 1       |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

## Client Sample ID: SB08-S10-MS 1.4

Lab Sample ID: 890-3150-27

Date Collected: 10/05/22 11:57

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 10

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

| Analyte          | Result           | Qualifier        | RL            | MDL | Unit  | D | Prepared        | Analyzed        | Dil Fac        |
|------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Total TPH        | 1590             |                  | 50.0          |     | mg/Kg |   | 10/07/22 07:40  | 10/08/22 08:53  | 1              |
| <b>Surrogate</b> | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |     |       |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| 1-Chlorooctane   | 110              |                  | 70 - 130      |     |       |   | 10/07/22 07:40  | 10/08/22 08:53  | 1              |
| o-Terphenyl      | 107              |                  | 70 - 130      |     |       |   | 10/07/22 07:40  | 10/08/22 08:53  | 1              |

## Client Sample ID: DUPE 003

Lab Sample ID: 890-3150-28

Date Collected: 10/05/22 00:00

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 0

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

| Analyte                     | Result           | Qualifier        | RL            | MDL | Unit  | D | Prepared        | Analyzed        | Dil Fac        |
|-----------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Benzene                     | <0.00201         | U                | 0.00201       |     | mg/Kg |   | 10/10/22 16:53  | 10/15/22 10:17  | 1              |
| Toluene                     | <0.00201         | U                | 0.00201       |     | mg/Kg |   | 10/10/22 16:53  | 10/15/22 10:17  | 1              |
| Ethylbenzene                | <0.00201         | U                | 0.00201       |     | mg/Kg |   | 10/10/22 16:53  | 10/15/22 10:17  | 1              |
| m-Xylene & p-Xylene         | <0.00402         | U                | 0.00402       |     | mg/Kg |   | 10/10/22 16:53  | 10/15/22 10:17  | 1              |
| o-Xylene                    | <0.00201         | U                | 0.00201       |     | mg/Kg |   | 10/10/22 16:53  | 10/15/22 10:17  | 1              |
| Xylenes, Total              | <0.00402         | U                | 0.00402       |     | mg/Kg |   | 10/10/22 16:53  | 10/15/22 10:17  | 1              |
| <b>Surrogate</b>            | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |     |       |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| 4-Bromofluorobenzene (Surr) | 108              |                  | 70 - 130      |     |       |   | 10/10/22 16:53  | 10/15/22 10:17  | 1              |
| 1,4-Difluorobenzene (Surr)  | 94               |                  | 70 - 130      |     |       |   | 10/10/22 16:53  | 10/15/22 10:17  | 1              |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 882    |           | 49.8 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                                     | Result           | Qualifier        | RL            | MDL | Unit  | D | Prepared        | Analyzed        | Dil Fac        |
|---------------------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Gasoline Range Organics (GRO)-C6-C10        | <49.8            | U                | 49.8          |     | mg/Kg |   | 10/07/22 07:40  | 10/07/22 15:50  | 1              |
| <b>Diesel Range Organics (Over C10-C28)</b> | <b>882</b>       |                  | 49.8          |     | mg/Kg |   | 10/07/22 07:40  | 10/07/22 15:50  | 1              |
| Oil Range Organics (Over C28-C36)           | <49.8            | U                | 49.8          |     | mg/Kg |   | 10/07/22 07:40  | 10/07/22 15:50  | 1              |
| Total TPH                                   | 882              |                  | 49.8          |     | mg/Kg |   | 10/07/22 07:40  | 10/07/22 15:50  | 1              |
| <b>Surrogate</b>                            | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |     |       |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| 1-Chlorooctane                              | 119              |                  | 70 - 130      |     |       |   | 10/07/22 07:40  | 10/07/22 15:50  | 1              |
| o-Terphenyl                                 | 109              |                  | 70 - 130      |     |       |   | 10/07/22 07:40  | 10/07/22 15:50  | 1              |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

Client Sample ID: SB08-S17-MS 48

Lab Sample ID: 890-3150-29

Date Collected: 10/05/22 12:05

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 17

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

| Analyte             | Result  | Qualifier | RL     | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|---------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.0200 | U         | 0.0200 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 12:01 | 10      |
| Toluene             | 0.142   |           | 0.0200 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 12:01 | 10      |
| Ethylbenzene        | 0.301   |           | 0.0200 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 12:01 | 10      |
| m-Xylene & p-Xylene | 0.716   |           | 0.0401 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 12:01 | 10      |
| o-Xylene            | <0.0200 | U         | 0.0200 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 12:01 | 10      |
| Xylenes, Total      | 0.716   |           | 0.0401 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 12:01 | 10      |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 154       | S1+       | 70 - 130 | 10/10/22 16:53 | 10/15/22 12:01 | 10      |
| 1,4-Difluorobenzene (Surr)  | 89        |           | 70 - 130 | 10/10/22 16:53 | 10/15/22 12:01 | 10      |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL     | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|--------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 1.16   |           | 0.0401 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 328    |           | 49.9 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 84.3   |           | 49.9 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 16:12 | 1       |
| Diesel Range Organics (Over C10-C28) | 244    |           | 49.9 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 16:12 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 16:12 | 1       |
| Total TPH                            | 328    |           | 49.9 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 16:12 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 115       |           | 70 - 130 | 10/07/22 07:40 | 10/07/22 16:12 | 1       |
| o-Terphenyl    | 116       |           | 70 - 130 | 10/07/22 07:40 | 10/07/22 16:12 | 1       |

Client Sample ID: MSD DUPE 3

Lab Sample ID: 890-3150-30

Date Collected: 10/05/22 00:00

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 0

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

| Analyte             | Result  | Qualifier | RL     | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|---------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.0200 | U         | 0.0200 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 12:22 | 10      |
| Toluene             | <0.0200 | U         | 0.0200 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 12:22 | 10      |
| Ethylbenzene        | 0.319   |           | 0.0200 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 12:22 | 10      |
| m-Xylene & p-Xylene | <0.0399 | U         | 0.0399 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 12:22 | 10      |
| o-Xylene            | 0.861   |           | 0.0200 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 12:22 | 10      |
| Xylenes, Total      | 0.861   |           | 0.0399 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 12:22 | 10      |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 112       |           | 70 - 130 | 10/10/22 16:53 | 10/15/22 12:22 | 10      |
| 1,4-Difluorobenzene (Surr)  | 99        |           | 70 - 130 | 10/10/22 16:53 | 10/15/22 12:22 | 10      |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

Client Sample ID: MSD DUPE 3

Lab Sample ID: 890-3150-30

Date Collected: 10/05/22 00:00

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 0

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL     | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|--------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 1.18   |           | 0.0399 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 377    |           | 50.0 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 16:33 | 1       |
| Diesel Range Organics (Over C10-C28) | 377    |           | 50.0 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 16:33 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 16:33 | 1       |
| Total TPH                            | 377    |           | 50.0 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 16:33 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 1-Chlorooctane | 110       |           | 70 - 130 |  |  |  | 10/07/22 07:40 | 10/07/22 16:33 | 1       |
| o-Terphenyl    | 106       |           | 70 - 130 |  |  |  | 10/07/22 07:40 | 10/07/22 16:33 | 1       |

Client Sample ID: SB09-S10F-MS 0

Lab Sample ID: 890-3150-31

Date Collected: 10/05/22 12:20

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 10

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

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 14:49 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 14:49 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 14:49 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 14:49 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 14:49 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 14:49 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 103       |           | 70 - 130 |  |  |  | 10/10/22 16:53 | 10/15/22 14:49 | 1       |
| 1,4-Difluorobenzene (Surr)  | 102       |           | 70 - 130 |  |  |  | 10/10/22 16:53 | 10/15/22 14:49 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 16:55 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 16:55 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 16:55 | 1       |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

Client Sample ID: SB09-S10F-MS 0

Lab Sample ID: 890-3150-31

Date Collected: 10/05/22 12:20

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 10

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

| Analyte        | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Total TPH      | <50.0     | U         | 50.0     |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 16:55 | 1       |
| Surrogate      | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane | 127       |           | 70 - 130 |     |       |   | 10/07/22 07:40 | 10/07/22 16:55 | 1       |
| o-Terphenyl    | 123       |           | 70 - 130 |     |       |   | 10/07/22 07:40 | 10/07/22 16:55 | 1       |

Client Sample ID: SB09-S15-MS 74

Lab Sample ID: 890-3150-32

Date Collected: 10/05/22 12:25

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 15

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

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | <0.00202  | U         | 0.00202  |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 15:10 | 1       |
| Toluene                     | <0.00202  | U         | 0.00202  |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 15:10 | 1       |
| Ethylbenzene                | <0.00202  | U         | 0.00202  |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 15:10 | 1       |
| m-Xylene & p-Xylene         | <0.00403  | U         | 0.00403  |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 15:10 | 1       |
| o-Xylene                    | <0.00202  | U         | 0.00202  |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 15:10 | 1       |
| Xylenes, Total              | <0.00403  | U         | 0.00403  |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 15:10 | 1       |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 121       |           | 70 - 130 |     |       |   | 10/10/22 16:53 | 10/15/22 15:10 | 1       |
| 1,4-Difluorobenzene (Surr)  | 86        |           | 70 - 130 |     |       |   | 10/10/22 16:53 | 10/15/22 15:10 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00403 | U         | 0.00403 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 416    |           | 50.0 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 17:16 | 1       |
| Diesel Range Organics (Over C10-C28) | 416       |           | 50.0     |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 17:16 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 17:16 | 1       |
| Total TPH                            | 416       |           | 50.0     |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 17:16 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 108       |           | 70 - 130 |     |       |   | 10/07/22 07:40 | 10/07/22 17:16 | 1       |
| o-Terphenyl                          | 108       |           | 70 - 130 |     |       |   | 10/07/22 07:40 | 10/07/22 17:16 | 1       |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

Client Sample ID: SB09-S17-MS 19

Lab Sample ID: 890-3150-33

Date Collected: 10/05/22 12:30

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 17

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

| Analyte             | Result  | Qualifier | RL     | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|---------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| Benzene             | 0.0481  |           | 0.0201 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 15:30 | 10      |
| Toluene             | <0.0201 | U         | 0.0201 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 15:30 | 10      |
| Ethylbenzene        | <0.0201 | U         | 0.0201 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 15:30 | 10      |
| m-Xylene & p-Xylene | <0.0402 | U         | 0.0402 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 15:30 | 10      |
| o-Xylene            | <0.0201 | U         | 0.0201 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 15:30 | 10      |
| Xylenes, Total      | <0.0402 | U         | 0.0402 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 15:30 | 10      |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 171       | S1+       | 70 - 130 | 10/10/22 16:53 | 10/15/22 15:30 | 10      |
| 1,4-Difluorobenzene (Surr)  | 93        |           | 70 - 130 | 10/10/22 16:53 | 10/15/22 15:30 | 10      |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL     | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|--------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 0.0481 |           | 0.0402 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.8  | U         | 49.8 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 49.8 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 17:38 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.8  | U         | 49.8 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 17:38 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 17:38 | 1       |
| Total TPH                            | <49.8  | U         | 49.8 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 17:38 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 110       |           | 70 - 130 | 10/07/22 07:40 | 10/07/22 17:38 | 1       |
| o-Terphenyl    | 107       |           | 70 - 130 | 10/07/22 07:40 | 10/07/22 17:38 | 1       |

Client Sample ID: MSD DUPE 4

Lab Sample ID: 890-3150-34

Date Collected: 10/05/22 00:00

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 0

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

| Analyte             | Result  | Qualifier | RL     | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|---------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.0200 | U         | 0.0200 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 15:51 | 10      |
| Toluene             | <0.0200 | U         | 0.0200 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 15:51 | 10      |
| Ethylbenzene        | <0.0200 | U         | 0.0200 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 15:51 | 10      |
| m-Xylene & p-Xylene | <0.0399 | U         | 0.0399 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 15:51 | 10      |
| o-Xylene            | 1.06    |           | 0.0200 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 15:51 | 10      |
| Xylenes, Total      | 1.06    |           | 0.0399 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 15:51 | 10      |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 180       | S1+       | 70 - 130 | 10/10/22 16:53 | 10/15/22 15:51 | 10      |
| 1,4-Difluorobenzene (Surr)  | 93        |           | 70 - 130 | 10/10/22 16:53 | 10/15/22 15:51 | 10      |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

Client Sample ID: MSD DUPE 4

Lab Sample ID: 890-3150-34

Date Collected: 10/05/22 00:00

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 0

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL     | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|--------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 1.06   |           | 0.0399 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 265    |           | 49.8 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 49.8 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 17:59 | 1       |
| Diesel Range Organics (Over C10-C28) | 265    |           | 49.8 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 17:59 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 17:59 | 1       |
| Total TPH                            | 265    |           | 49.8 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 17:59 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 1-Chlorooctane | 113       |           | 70 - 130 |  |  |  | 10/07/22 07:40 | 10/07/22 17:59 | 1       |
| o-Terphenyl    | 106       |           | 70 - 130 |  |  |  | 10/07/22 07:40 | 10/07/22 17:59 | 1       |

Client Sample ID: SB10-S10-MS 233

Lab Sample ID: 890-3150-35

Date Collected: 10/05/22 13:00

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 10

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

| Analyte             | Result  | Qualifier | RL     | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|---------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| Benzene             | 0.0242  |           | 0.0199 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 16:12 | 10      |
| Toluene             | <0.0199 | U         | 0.0199 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 16:12 | 10      |
| Ethylbenzene        | 0.144   |           | 0.0199 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 16:12 | 10      |
| m-Xylene & p-Xylene | 0.351   |           | 0.0398 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 16:12 | 10      |
| o-Xylene            | <0.0199 | U         | 0.0199 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 16:12 | 10      |
| Xylenes, Total      | 0.351   |           | 0.0398 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 16:12 | 10      |

| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 110       |           | 70 - 130 |  |  |  | 10/10/22 16:53 | 10/15/22 16:12 | 10      |
| 1,4-Difluorobenzene (Surr)  | 91        |           | 70 - 130 |  |  |  | 10/10/22 16:53 | 10/15/22 16:12 | 10      |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL     | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|--------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 0.519  |           | 0.0398 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 241    |           | 49.8 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 49.8 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 18:21 | 1       |
| Diesel Range Organics (Over C10-C28) | 241    |           | 49.8 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 18:21 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 18:21 | 1       |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

Client Sample ID: SB10-S10-MS 233

Lab Sample ID: 890-3150-35

Date Collected: 10/05/22 13:00

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 10

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

| Analyte          | Result           | Qualifier        | RL            | MDL | Unit  | D | Prepared        | Analyzed        | Dil Fac        |
|------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Total TPH        | 241              |                  | 49.8          |     | mg/Kg |   | 10/07/22 07:40  | 10/07/22 18:21  | 1              |
| <b>Surrogate</b> | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |     |       |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| 1-Chlorooctane   | 119              |                  | 70 - 130      |     |       |   | 10/07/22 07:40  | 10/07/22 18:21  | 1              |
| o-Terphenyl      | 118              |                  | 70 - 130      |     |       |   | 10/07/22 07:40  | 10/07/22 18:21  | 1              |

Client Sample ID: SB10-S15-MS 85

Lab Sample ID: 890-3150-36

Date Collected: 10/05/22 13:05

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 15

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

| Analyte                     | Result           | Qualifier        | RL            | MDL | Unit  | D | Prepared        | Analyzed        | Dil Fac        |
|-----------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Benzene                     | 0.0816           |                  | 0.0200        |     | mg/Kg |   | 10/10/22 16:53  | 10/15/22 16:33  | 10             |
| Toluene                     | <0.0200          | U                | 0.0200        |     | mg/Kg |   | 10/10/22 16:53  | 10/15/22 16:33  | 10             |
| Ethylbenzene                | 0.0539           |                  | 0.0200        |     | mg/Kg |   | 10/10/22 16:53  | 10/15/22 16:33  | 10             |
| m-Xylene & p-Xylene         | 0.490            |                  | 0.0401        |     | mg/Kg |   | 10/10/22 16:53  | 10/15/22 16:33  | 10             |
| o-Xylene                    | 0.623            |                  | 0.0200        |     | mg/Kg |   | 10/10/22 16:53  | 10/15/22 16:33  | 10             |
| Xylenes, Total              | 1.11             |                  | 0.0401        |     | mg/Kg |   | 10/10/22 16:53  | 10/15/22 16:33  | 10             |
| <b>Surrogate</b>            | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |     |       |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| 4-Bromofluorobenzene (Surr) | 156              | S1+              | 70 - 130      |     |       |   | 10/10/22 16:53  | 10/15/22 16:33  | 10             |
| 1,4-Difluorobenzene (Surr)  | 99               |                  | 70 - 130      |     |       |   | 10/10/22 16:53  | 10/15/22 16:33  | 10             |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL     | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|--------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 1.25   |           | 0.0401 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 186    |           | 49.9 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                              | Result           | Qualifier        | RL            | MDL | Unit  | D | Prepared        | Analyzed        | Dil Fac        |
|--------------------------------------|------------------|------------------|---------------|-----|-------|---|-----------------|-----------------|----------------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9            | U                | 49.9          |     | mg/Kg |   | 10/07/22 07:40  | 10/07/22 18:43  | 1              |
| Diesel Range Organics (Over C10-C28) | 186              |                  | 49.9          |     | mg/Kg |   | 10/07/22 07:40  | 10/07/22 18:43  | 1              |
| Oil Range Organics (Over C28-C36)    | <49.9            | U                | 49.9          |     | mg/Kg |   | 10/07/22 07:40  | 10/07/22 18:43  | 1              |
| Total TPH                            | 186              |                  | 49.9          |     | mg/Kg |   | 10/07/22 07:40  | 10/07/22 18:43  | 1              |
| <b>Surrogate</b>                     | <b>%Recovery</b> | <b>Qualifier</b> | <b>Limits</b> |     |       |   | <b>Prepared</b> | <b>Analyzed</b> | <b>Dil Fac</b> |
| 1-Chlorooctane                       | 110              |                  | 70 - 130      |     |       |   | 10/07/22 07:40  | 10/07/22 18:43  | 1              |
| o-Terphenyl                          | 110              |                  | 70 - 130      |     |       |   | 10/07/22 07:40  | 10/07/22 18:43  | 1              |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

Client Sample ID: SB10-S17-MS 99

Lab Sample ID: 890-3150-37

Date Collected: 10/05/22 13:10

Matrix: Solid

Date Received: 10/05/22 13:53

Sample Depth: 17

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

| Analyte             | Result  | Qualifier | RL     | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|---------|-----------|--------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.0199 | U         | 0.0199 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 16:54 | 10      |
| Toluene             | <0.0199 | U         | 0.0199 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 16:54 | 10      |
| Ethylbenzene        | 0.106   |           | 0.0199 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 16:54 | 10      |
| m-Xylene & p-Xylene | 0.297   |           | 0.0398 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 16:54 | 10      |
| o-Xylene            | <0.0199 | U         | 0.0199 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 16:54 | 10      |
| Xylenes, Total      | 0.297   |           | 0.0398 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 16:54 | 10      |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 75        |           | 70 - 130 | 10/10/22 16:53 | 10/15/22 16:54 | 10      |
| 1,4-Difluorobenzene (Surr)  | 93        |           | 70 - 130 | 10/10/22 16:53 | 10/15/22 16:54 | 10      |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL     | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|--------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 0.403  |           | 0.0398 |     | mg/Kg |   |          | 10/14/22 12:24 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 83.1   |           | 50.0 |     | mg/Kg |   |          | 10/10/22 12:07 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 19:04 | 1       |
| Diesel Range Organics (Over C10-C28) | 83.1   |           | 50.0 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 19:04 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 19:04 | 1       |
| Total TPH                            | 83.1   |           | 50.0 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 19:04 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 120       |           | 70 - 130 | 10/07/22 07:40 | 10/07/22 19:04 | 1       |
| o-Terphenyl    | 117       |           | 70 - 130 | 10/07/22 07:40 | 10/07/22 19:04 | 1       |

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## Surrogate Summary

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

| Lab Sample ID      | Client Sample ID       | Percent Surrogate Recovery (Acceptance Limits) |                   |
|--------------------|------------------------|------------------------------------------------|-------------------|
|                    |                        | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 890-3150-1         | SB01-56-MS 5.4         | 110                                            | 84                |
| 890-3150-2         | SB01-S15-MS 21.5       | 99                                             | 87                |
| 890-3150-3         | SB01-S17-MS 1.4        | 92                                             | 90                |
| 890-3150-4         | SB02-S15-MS 43         | 95                                             | 88                |
| 890-3150-5         | DUPE 01                | 88                                             | 91                |
| 890-3150-6         | SB02-S10-MS0           | 116                                            | 82                |
| 890-3150-6 MS      | SB02-S10-MS0           | 39 S1-                                         | 63 S1-            |
| 890-3150-6 MSD     | SB02-S10-MS0           | 54 S1-                                         | 67 S1-            |
| 890-3150-7         | SB02-S17-MS 15.5       | 105                                            | 90                |
| 890-3150-8         | SB03-S10-MS0           | 123                                            | 80                |
| 890-3150-9         | SB03-S15-MS 74.7       | 102                                            | 87                |
| 890-3150-10        | MSD DUPE 1             | 100                                            | 83                |
| 890-3150-11        | SB03-S17-MS 3.4        | 99                                             | 84                |
| 890-3150-12        | SB04-S5-MS 0           | 111                                            | 98                |
| 890-3150-13        | SB04-S10-MS 10.7       | 115                                            | 86                |
| 890-3150-14        | SB04-S17-MS 66         | 104                                            | 95                |
| 890-3150-15        | SB05-S5-MS 53          | 88                                             | 81                |
| 890-3150-16        | DUPE 02                | 78                                             | 67 S1-            |
| 890-3150-17        | SB05-S10-MS 76         | 127                                            | 88                |
| 890-3150-18        | MSD DUPE 2             | 108                                            | 88                |
| 890-3150-19        | SB05-S17-MS 80.2       | 84                                             | 67 S1-            |
| 890-3150-20        | SB06-S10-MS 0          | 106                                            | 86                |
| 890-3150-21        | SB06-S15-MS 68         | 117                                            | 109               |
| 890-3150-22        | SB06-S17-MS 19.4       | 114                                            | 103               |
| 890-3150-23        | SB07-S10-MS 0          | 111                                            | 88                |
| 890-3150-23 MS     | SB07-S10-MS 0          | 120                                            | 90                |
| 890-3150-23 MSD    | SB07-S10-MS 0          | 98                                             | 87                |
| 890-3150-24        | SB07-S18-MS 69         | 125                                            | 100               |
| 890-3150-25        | SB07-S17-MS 94         | 124                                            | 103               |
| 890-3150-26        | SB08-S5-MS 0           | 107                                            | 96                |
| 890-3150-27        | SB08-S10-MS 1.4        | 112                                            | 87                |
| 890-3150-28        | DUPE 003               | 108                                            | 94                |
| 890-3150-29        | SB08-S17-MS 48         | 154 S1+                                        | 89                |
| 890-3150-30        | MSD DUPE 3             | 112                                            | 99                |
| 890-3150-31        | SB09-S10F-MS 0         | 103                                            | 102               |
| 890-3150-32        | SB09-S15-MS 74         | 121                                            | 86                |
| 890-3150-33        | SB09-S17-MS 19         | 171 S1+                                        | 93                |
| 890-3150-34        | MSD DUPE 4             | 180 S1+                                        | 93                |
| 890-3150-35        | SB10-S10-MS 233        | 110                                            | 91                |
| 890-3150-36        | SB10-S15-MS 85         | 156 S1+                                        | 99                |
| 890-3150-37        | SB10-S17-MS 99         | 75                                             | 93                |
| LCS 880-36607/1-A  | Lab Control Sample     | 94                                             | 93                |
| LCS 880-36609/1-A  | Lab Control Sample     | 89                                             | 84                |
| LCS 880-36936/1-A  | Lab Control Sample     | 91                                             | 95                |
| LCS 880-36974/1-A  | Lab Control Sample     | 91                                             | 110               |
| LCSD 880-36607/2-A | Lab Control Sample Dup | 98                                             | 91                |
| LCSD 880-36609/2-A | Lab Control Sample Dup | 96                                             | 93                |
| LCSD 880-36936/2-A | Lab Control Sample Dup | 92                                             | 95                |
| LCSD 880-36974/2-A | Lab Control Sample Dup | 97                                             | 107               |

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## Surrogate Summary

Client: Contango Resources LLC

Job ID: 890-3150-1

Project/Site: Colgazer

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

Matrix: Solid

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID    | Client Sample ID | BFB1<br>(70-130) | DFBZ1<br>(70-130) |
|------------------|------------------|------------------|-------------------|
| MB 880-36607/5-A | Method Blank     | 103              | 80                |
| MB 880-36609/5-A | Method Blank     | 100              | 80                |
| MB 880-36684/5-A | Method Blank     | 103              | 84                |
| MB 880-36737/5-A | Method Blank     | 107              | 81                |
| MB 880-36936/5-A | Method Blank     | 102              | 82                |
| MB 880-36974/5-A | Method Blank     | 94               | 108               |

## Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID | Client Sample ID | 1CO1<br>(70-130) | OTPH1<br>(70-130) |
|---------------|------------------|------------------|-------------------|
| 890-3150-1    | SB01-S6-MS 5.4   | 84               | 89                |
| 890-3150-2    | SB01-S15-MS 21.5 | 82               | 90                |
| 890-3150-3    | SB01-S17-MS 1.4  | 99               | 104               |
| 890-3150-4    | SB02-S15-MS 43   | 101              | 107               |
| 890-3150-5    | DUPE 01          | 99               | 106               |
| 890-3150-6    | SB02-S10-MS0     | 83               | 94                |
| 890-3150-7    | SB02-S17-MS 15.5 | 87               | 96                |
| 890-3150-8    | SB03-S10-MS0     | 82               | 90                |
| 890-3150-9    | SB03-S15-MS 74.7 | 86               | 95                |
| 890-3150-10   | MSD DUPE 1       | 86               | 95                |
| 890-3150-11   | SB03-S17-MS 3.4  | 110              | 106               |
| 890-3150-12   | SB04-S5-MS 0     | 97               | 91                |
| 890-3150-13   | SB04-S10-MS 10.7 | 109              | 103               |
| 890-3150-14   | SB04-S17-MS 66   | 106              | 100               |
| 890-3150-15   | SB05-S5-MS 53    | 99               | 94                |
| 890-3150-16   | DUPE 02          | 99               | 91                |
| 890-3150-17   | SB05-S10-MS 76   | 111              | 106               |
| 890-3150-18   | MSD DUPE 2       | 112              | 104               |
| 890-3150-19   | SB05-S17-MS 80.2 | 95               | 93                |
| 890-3150-20   | SB06-S10-MS 0    | 88               | 85                |
| 890-3150-21   | SB06-S15-MS 68   | 99               | 100               |
| 890-3150-22   | SB06-S17-MS 19.4 | 106              | 103               |
| 890-3150-23   | SB07-S10-MS 0    | 115              | 114               |
| 890-3150-24   | SB07-S18-MS 69   | 100              | 98                |
| 890-3150-25   | SB07-S17-MS 94   | 114              | 111               |
| 890-3150-26   | SB08-S5-MS 0     | 116              | 108               |
| 890-3150-27   | SB08-S10-MS 1.4  | 110              | 107               |
| 890-3150-28   | DUPE 003         | 119              | 109               |
| 890-3150-29   | SB08-S17-MS 48   | 115              | 116               |
| 890-3150-30   | MSD DUPE 3       | 110              | 106               |
| 890-3150-31   | SB09-S10F-MS 0   | 127              | 123               |
| 890-3150-32   | SB09-S15-MS 74   | 108              | 108               |
| 890-3150-33   | SB09-S17-MS 19   | 110              | 107               |
| 890-3150-34   | MSD DUPE 4       | 113              | 106               |

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# Surrogate Summary

Client: Contango Resources LLC

Job ID: 890-3150-1

Project/Site: Colgazer

**Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)**
**Matrix: Solid**
**Prep Type: Total/NA**

|                    |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|--------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID      | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 890-3150-35        | SB10-S10-MS 233        | 119                                            | 118               |
| 890-3150-36        | SB10-S15-MS 85         | 110                                            | 110               |
| 890-3150-37        | SB10-S17-MS 99         | 120                                            | 117               |
| LCS 880-36321/2-A  | Lab Control Sample     | 102                                            | 93                |
| LCS 880-36385/2-A  | Lab Control Sample     | 90                                             | 97                |
| LCS 880-36387/2-A  | Lab Control Sample     | 110                                            | 119               |
| LCSD 880-36321/3-A | Lab Control Sample Dup | 102                                            | 87                |
| LCSD 880-36385/3-A | Lab Control Sample Dup | 100                                            | 102               |
| LCSD 880-36387/3-A | Lab Control Sample Dup | 95                                             | 108               |
| MB 880-36321/1-A   | Method Blank           | 90                                             | 89                |
| MB 880-36385/1-A   | Method Blank           | 8 S1-                                          | 8 S1-             |
| MB 880-36387/1-A   | Method Blank           | 7 S1-                                          | 7 S1-             |

**Surrogate Legend**

1CO = 1-Chlorooctane

OTPH = o-Terphenyl



## QC Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

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

Lab Sample ID: MB 880-36607/5-A

Matrix: Solid

Analysis Batch: 36814

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36607

| Analyte             | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 10/10/22 16:51 | 10/13/22 21:59 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 10/10/22 16:51 | 10/13/22 21:59 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 10/10/22 16:51 | 10/13/22 21:59 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 10/10/22 16:51 | 10/13/22 21:59 | 1       |
| o-Xylene            | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 10/10/22 16:51 | 10/13/22 21:59 | 1       |
| Xylenes, Total      | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 10/10/22 16:51 | 10/13/22 21:59 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 103          |              | 70 - 130 | 10/10/22 16:51 | 10/13/22 21:59 | 1       |
| 1,4-Difluorobenzene (Surr)  | 80           |              | 70 - 130 | 10/10/22 16:51 | 10/13/22 21:59 | 1       |

Lab Sample ID: LCS 880-36607/1-A

Matrix: Solid

Analysis Batch: 36814

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36607

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.100       | 0.1055     |               | mg/Kg |   | 105  | 70 - 130    |
| Toluene             | 0.100       | 0.1057     |               | mg/Kg |   | 106  | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.09961    |               | mg/Kg |   | 100  | 70 - 130    |
| m-Xylene & p-Xylene | 0.200       | 0.2099     |               | mg/Kg |   | 105  | 70 - 130    |
| o-Xylene            | 0.100       | 0.1054     |               | mg/Kg |   | 105  | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 94            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 93            |               | 70 - 130 |

Lab Sample ID: LCSD 880-36607/2-A

Matrix: Solid

Analysis Batch: 36814

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36607

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-------|
| Benzene             | 0.100       | 0.1076      |                | mg/Kg |   | 108  | 70 - 130    | 2   | 35    |
| Toluene             | 0.100       | 0.1098      |                | mg/Kg |   | 110  | 70 - 130    | 4   | 35    |
| Ethylbenzene        | 0.100       | 0.1033      |                | mg/Kg |   | 103  | 70 - 130    | 4   | 35    |
| m-Xylene & p-Xylene | 0.200       | 0.2205      |                | mg/Kg |   | 110  | 70 - 130    | 5   | 35    |
| o-Xylene            | 0.100       | 0.1113      |                | mg/Kg |   | 111  | 70 - 130    | 5   | 35    |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 98             |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 91             |                | 70 - 130 |

Lab Sample ID: 890-3150-6 MS

Matrix: Solid

Analysis Batch: 36814

Client Sample ID: SB02-S10-MS0

Prep Type: Total/NA

Prep Batch: 36607

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene | <0.00199      | U F1 F2          | 0.0998      | 0.02975   | F1           | mg/Kg |   | 30   | 70 - 130    |
| Toluene | <0.00199      | U F1             | 0.0998      | 0.03770   | F1           | mg/Kg |   | 37   | 70 - 130    |

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## QC Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

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

Lab Sample ID: 890-3150-6 MS

Matrix: Solid

Analysis Batch: 36814

Client Sample ID: SB02-S10-MS0

Prep Type: Total/NA

Prep Batch: 36607

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Ethylbenzene        | <0.00199      | U F1             | 0.0998      | 0.02989   | F1           | mg/Kg |   | 30   | 70 - 130    |
| m-Xylene & p-Xylene | <0.00398      | U F1             | 0.200       | 0.05508   | F1           | mg/Kg |   | 28   | 70 - 130    |
| o-Xylene            | <0.00199      | U F1             | 0.0998      | 0.02934   | F1           | mg/Kg |   | 29   | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 39           | S1-          | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 63           | S1-          | 70 - 130 |

Lab Sample ID: 890-3150-6 MSD

Matrix: Solid

Analysis Batch: 36814

Client Sample ID: SB02-S10-MS0

Prep Type: Total/NA

Prep Batch: 36607

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-------|
| Benzene             | <0.00199      | U F1 F2          | 0.0990      | 0.01867    | F1 F2         | mg/Kg |   | 19   | 70 - 130    | 46  | 35    |
| Toluene             | <0.00199      | U F1             | 0.0990      | 0.03759    | F1            | mg/Kg |   | 37   | 70 - 130    | 0   | 35    |
| Ethylbenzene        | <0.00199      | U F1             | 0.0990      | 0.03158    | F1            | mg/Kg |   | 32   | 70 - 130    | 5   | 35    |
| m-Xylene & p-Xylene | <0.00398      | U F1             | 0.198       | 0.05607    | F1            | mg/Kg |   | 28   | 70 - 130    | 2   | 35    |
| o-Xylene            | <0.00199      | U F1             | 0.0990      | 0.02884    | F1            | mg/Kg |   | 29   | 70 - 130    | 2   | 35    |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 54            | S1-           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 67            | S1-           | 70 - 130 |

Lab Sample ID: MB 880-36609/5-A

Matrix: Solid

Analysis Batch: 36928

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36609

| Analyte             | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 08:53 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 08:53 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 08:53 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 08:53 | 1       |
| o-Xylene            | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 08:53 | 1       |
| Xylenes, Total      | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 10/10/22 16:53 | 10/15/22 08:53 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 100          |              | 70 - 130 | 10/10/22 16:53 | 10/15/22 08:53 | 1       |
| 1,4-Difluorobenzene (Surr)  | 80           |              | 70 - 130 | 10/10/22 16:53 | 10/15/22 08:53 | 1       |

Lab Sample ID: LCS 880-36609/1-A

Matrix: Solid

Analysis Batch: 36928

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36609

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.100       | 0.09563    |               | mg/Kg |   | 96   | 70 - 130    |
| Toluene             | 0.100       | 0.09823    |               | mg/Kg |   | 98   | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.09267    |               | mg/Kg |   | 93   | 70 - 130    |
| m-Xylene & p-Xylene | 0.200       | 0.1924     |               | mg/Kg |   | 96   | 70 - 130    |

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## QC Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

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

Lab Sample ID: LCS 880-36609/1-A

Matrix: Solid

Analysis Batch: 36928

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36609

| Analyte  | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|----------|-------------|------------|---------------|-------|---|------|-------------|
| o-Xylene | 0.100       | 0.09704    |               | mg/Kg |   | 97   | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 89            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 84            |               | 70 - 130 |

Lab Sample ID: LCSD 880-36609/2-A

Matrix: Solid

Analysis Batch: 36928

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36609

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-------|
| Benzene             | 0.100       | 0.09888     |                | mg/Kg |   | 99   | 70 - 130    | 3   | 35    |
| Toluene             | 0.100       | 0.1027      |                | mg/Kg |   | 103  | 70 - 130    | 4   | 35    |
| Ethylbenzene        | 0.100       | 0.09791     |                | mg/Kg |   | 98   | 70 - 130    | 6   | 35    |
| m-Xylene & p-Xylene | 0.200       | 0.2013      |                | mg/Kg |   | 101  | 70 - 130    | 4   | 35    |
| o-Xylene            | 0.100       | 0.1024      |                | mg/Kg |   | 102  | 70 - 130    | 5   | 35    |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 96             |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 93             |                | 70 - 130 |

Lab Sample ID: 890-3150-23 MS

Matrix: Solid

Analysis Batch: 36928

Client Sample ID: SB07-S10-MS 0

Prep Type: Total/NA

Prep Batch: 36609

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene             | <0.00200      | U F1 F2          | 0.100       | 0.04224   | F1           | mg/Kg |   | 42   | 70 - 130    |
| Toluene             | <0.00200      | U F1 F2          | 0.100       | 0.05595   | F1           | mg/Kg |   | 56   | 70 - 130    |
| Ethylbenzene        | <0.00200      | U F1             | 0.100       | 0.06608   | F1           | mg/Kg |   | 66   | 70 - 130    |
| m-Xylene & p-Xylene | <0.00399      | U F1             | 0.200       | 0.1334    | F1           | mg/Kg |   | 67   | 70 - 130    |
| o-Xylene            | <0.00200      | U                | 0.100       | 0.07676   |              | mg/Kg |   | 77   | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 120          |              | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 90           |              | 70 - 130 |

Lab Sample ID: 890-3150-23 MSD

Matrix: Solid

Analysis Batch: 36928

Client Sample ID: SB07-S10-MS 0

Prep Type: Total/NA

Prep Batch: 36609

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-------|
| Benzene             | <0.00200      | U F1 F2          | 0.0990      | 0.08809    | F2            | mg/Kg |   | 89   | 70 - 130    | 70  | 35    |
| Toluene             | <0.00200      | U F1 F2          | 0.0990      | 0.09250    | F2            | mg/Kg |   | 93   | 70 - 130    | 49  | 35    |
| Ethylbenzene        | <0.00200      | U F1             | 0.0990      | 0.08628    |               | mg/Kg |   | 87   | 70 - 130    | 27  | 35    |
| m-Xylene & p-Xylene | <0.00399      | U F1             | 0.198       | 0.1727     |               | mg/Kg |   | 87   | 70 - 130    | 26  | 35    |
| o-Xylene            | <0.00200      | U                | 0.0990      | 0.09104    |               | mg/Kg |   | 92   | 70 - 130    | 17  | 35    |

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## QC Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

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

Lab Sample ID: 890-3150-23 MSD

Matrix: Solid

Analysis Batch: 36928

Client Sample ID: SB07-S10-MS 0

Prep Type: Total/NA

Prep Batch: 36609

|                             | MSD       | MSD       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 98        |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 87        |           | 70 - 130 |

Lab Sample ID: MB 880-36684/5-A

Matrix: Solid

Analysis Batch: 36928

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36684

| Analyte             | MB       | MB        |         |     |       |   |                |                |         |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
|                     | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 10/11/22 14:22 | 10/14/22 22:12 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 10/11/22 14:22 | 10/14/22 22:12 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 10/11/22 14:22 | 10/14/22 22:12 | 1       |
| m-Xylene & p-Xylene | <0.00400 | U         | 0.00400 |     | mg/Kg |   | 10/11/22 14:22 | 10/14/22 22:12 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 10/11/22 14:22 | 10/14/22 22:12 | 1       |
| Xylenes, Total      | <0.00400 | U         | 0.00400 |     | mg/Kg |   | 10/11/22 14:22 | 10/14/22 22:12 | 1       |

|                             | MB        | MB        |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 103       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 84        |           | 70 - 130 |

|  | Prepared       | Analyzed       | Dil Fac |
|--|----------------|----------------|---------|
|  | 10/11/22 14:22 | 10/14/22 22:12 | 1       |
|  | 10/11/22 14:22 | 10/14/22 22:12 | 1       |

Lab Sample ID: MB 880-36737/5-A

Matrix: Solid

Analysis Batch: 36814

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36737

| Analyte             | MB       | MB        |         |     |       |   |                |                |         |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
|                     | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 10/12/22 10:15 | 10/13/22 11:17 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 10/12/22 10:15 | 10/13/22 11:17 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 10/12/22 10:15 | 10/13/22 11:17 | 1       |
| m-Xylene & p-Xylene | <0.00400 | U         | 0.00400 |     | mg/Kg |   | 10/12/22 10:15 | 10/13/22 11:17 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 10/12/22 10:15 | 10/13/22 11:17 | 1       |
| Xylenes, Total      | <0.00400 | U         | 0.00400 |     | mg/Kg |   | 10/12/22 10:15 | 10/13/22 11:17 | 1       |

|                             | MB        | MB        |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 107       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 81        |           | 70 - 130 |

|  | Prepared       | Analyzed       | Dil Fac |
|--|----------------|----------------|---------|
|  | 10/12/22 10:15 | 10/13/22 11:17 | 1       |
|  | 10/12/22 10:15 | 10/13/22 11:17 | 1       |

Lab Sample ID: MB 880-36936/5-A

Matrix: Solid

Analysis Batch: 36928

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36936

| Analyte             | MB       | MB        |         |     |       |   |                |                |         |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
|                     | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 10/14/22 08:57 | 10/14/22 11:21 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 10/14/22 08:57 | 10/14/22 11:21 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 10/14/22 08:57 | 10/14/22 11:21 | 1       |
| m-Xylene & p-Xylene | <0.00400 | U         | 0.00400 |     | mg/Kg |   | 10/14/22 08:57 | 10/14/22 11:21 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 10/14/22 08:57 | 10/14/22 11:21 | 1       |
| Xylenes, Total      | <0.00400 | U         | 0.00400 |     | mg/Kg |   | 10/14/22 08:57 | 10/14/22 11:21 | 1       |

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## QC Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

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

Lab Sample ID: MB 880-36936/5-A

Matrix: Solid

Analysis Batch: 36928

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36936

|                             | MB        | MB        |          |                |                |         |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 102       |           | 70 - 130 | 10/14/22 08:57 | 10/14/22 11:21 | 1       |
| 1,4-Difluorobenzene (Surr)  | 82        |           | 70 - 130 | 10/14/22 08:57 | 10/14/22 11:21 | 1       |

Lab Sample ID: LCS 880-36936/1-A

Matrix: Solid

Analysis Batch: 36928

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36936

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.100       | 0.1022     |               | mg/Kg |   | 102  | 70 - 130    |
| Toluene             | 0.100       | 0.1041     |               | mg/Kg |   | 104  | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.09738    |               | mg/Kg |   | 97   | 70 - 130    |
| m-Xylene & p-Xylene | 0.200       | 0.2055     |               | mg/Kg |   | 103  | 70 - 130    |
| o-Xylene            | 0.100       | 0.1023     |               | mg/Kg |   | 102  | 70 - 130    |

|                             | LCS       | LCS       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 91        |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 |

Lab Sample ID: LCSD 880-36936/2-A

Matrix: Solid

Analysis Batch: 36928

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36936

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-------|
| Benzene             | 0.100       | 0.1058      |                | mg/Kg |   | 106  | 70 - 130    | 3   | 35    |
| Toluene             | 0.100       | 0.1063      |                | mg/Kg |   | 106  | 70 - 130    | 2   | 35    |
| Ethylbenzene        | 0.100       | 0.1010      |                | mg/Kg |   | 101  | 70 - 130    | 4   | 35    |
| m-Xylene & p-Xylene | 0.200       | 0.2091      |                | mg/Kg |   | 105  | 70 - 130    | 2   | 35    |
| o-Xylene            | 0.100       | 0.1050      |                | mg/Kg |   | 105  | 70 - 130    | 3   | 35    |

|                             | LCSD      | LCSD      |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 92        |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 95        |           | 70 - 130 |

Lab Sample ID: MB 880-36974/5-A

Matrix: Solid

Analysis Batch: 37019

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36974

| Analyte             | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 10/14/22 13:40 | 10/15/22 23:39 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 10/14/22 13:40 | 10/15/22 23:39 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 10/14/22 13:40 | 10/15/22 23:39 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 10/14/22 13:40 | 10/15/22 23:39 | 1       |
| o-Xylene            | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 10/14/22 13:40 | 10/15/22 23:39 | 1       |
| Xylenes, Total      | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 10/14/22 13:40 | 10/15/22 23:39 | 1       |

|                             | MB        | MB        |          |                |                |         |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 94        |           | 70 - 130 | 10/14/22 13:40 | 10/15/22 23:39 | 1       |

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## QC Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

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

Lab Sample ID: MB 880-36974/5-A

Matrix: Solid

Analysis Batch: 37019

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36974

| Surrogate                  | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 108             |                 | 70 - 130 | 10/14/22 13:40 | 10/15/22 23:39 | 1       |

Lab Sample ID: LCS 880-36974/1-A

Matrix: Solid

Analysis Batch: 37019

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36974

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|-------|---|------|----------------|
| Benzene             | 0.100          | 0.1035        |                  | mg/Kg |   | 103  | 70 - 130       |
| Toluene             | 0.100          | 0.09474       |                  | mg/Kg |   | 95   | 70 - 130       |
| Ethylbenzene        | 0.100          | 0.08217       |                  | mg/Kg |   | 82   | 70 - 130       |
| m-Xylene & p-Xylene | 0.200          | 0.1614        |                  | mg/Kg |   | 81   | 70 - 130       |
| o-Xylene            | 0.100          | 0.08039       |                  | mg/Kg |   | 80   | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 91               |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 110              |                  | 70 - 130 |

Lab Sample ID: LCSD 880-36974/2-A

Matrix: Solid

Analysis Batch: 37019

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36974

| Analyte             | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | Limit |
|---------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|-------|
| Benzene             | 0.100          | 0.09682        |                   | mg/Kg |   | 97   | 70 - 130       | 7   | 35    |
| Toluene             | 0.100          | 0.09596        |                   | mg/Kg |   | 96   | 70 - 130       | 1   | 35    |
| Ethylbenzene        | 0.100          | 0.08515        |                   | mg/Kg |   | 85   | 70 - 130       | 4   | 35    |
| m-Xylene & p-Xylene | 0.200          | 0.1714         |                   | mg/Kg |   | 86   | 70 - 130       | 6   | 35    |
| o-Xylene            | 0.100          | 0.08519        |                   | mg/Kg |   | 85   | 70 - 130       | 6   | 35    |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 97                |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 107               |                   | 70 - 130 |

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

Lab Sample ID: MB 880-36321/1-A

Matrix: Solid

Analysis Batch: 36313

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36321

| Analyte                              | MB<br>Result | MB<br>Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------------|-----------------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0        | U               | 50.0 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 09:54 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0        | U               | 50.0 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 09:54 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0        | U               | 50.0 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 09:54 | 1       |
| Total TPH                            | <50.0        | U               | 50.0 |     | mg/Kg |   | 10/07/22 07:40 | 10/07/22 09:54 | 1       |

| Surrogate      | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 90              |                 | 70 - 130 | 10/07/22 07:40 | 10/07/22 09:54 | 1       |

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## QC Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

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

Lab Sample ID: MB 880-36321/1-A

Matrix: Solid

Analysis Batch: 36313

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36321

| Surrogate   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-------------|-----------------|-----------------|----------|----------------|----------------|---------|
| o-Terphenyl | 89              |                 | 70 - 130 | 10/07/22 07:40 | 10/07/22 09:54 | 1       |

Lab Sample ID: LCS 880-36321/2-A

Matrix: Solid

Analysis Batch: 36313

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36321

| Analyte                              |  |  | Spike | LCS    | LCS       | Unit  | D | %Rec   | %Rec     |  |  |
|--------------------------------------|--|--|-------|--------|-----------|-------|---|--------|----------|--|--|
|                                      |  |  | Added | Result | Qualifier |       |   | Limits | Limits   |  |  |
| Gasoline Range Organics (GRO)-C6-C10 |  |  | 1000  | 859.3  |           | mg/Kg |   | 86     | 70 - 130 |  |  |
| Diesel Range Organics (Over C10-C28) |  |  | 1000  | 1064   |           | mg/Kg |   | 106    | 70 - 130 |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
|                                      |  |  |       |        |           |       |   |        |          |  |  |
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Lab Sample ID: LCSD 880-36321/3-A

Matrix: Solid

Analysis Batch: 36313

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36321

| Analyte                              |  |  | Spike | LCSD   | LCSD      | Unit  | D | %Rec   | %Rec     | RPD | RPD |
|--------------------------------------|--|--|-------|--------|-----------|-------|---|--------|----------|-----|-----|
|                                      |  |  | Added | Result | Qualifier |       |   | Limits | Limit    |     |     |
| Gasoline Range Organics (GRO)-C6-C10 |  |  | 1000  | 825.5  |           | mg/Kg |   | 83     | 70 - 130 | 4   | 20  |
| Diesel Range Organics (Over C10-C28) |  |  | 1000  | 989.6  |           | mg/Kg |   | 99     | 70 - 130 | 7   | 20  |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
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|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
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|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
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|                                      |  |  |       |        |           |       |   |        |          |     |     |
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|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
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|                                      |  |  |       |        |           |       |   |        |          |     |     |
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|                                      |  |  |       |        |           |       |   |        |          |     |     |
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|                                      |  |  |       |        |           |       |   |        |          |     |     |
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|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |

Lab Sample ID: MB 880-36385/1-A

Matrix: Solid

Analysis Batch: 36313

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36385

| Appendix B - Data - 000000           |           |           |          |     |       |   |                |                |         |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Analyte                              | MB        | MB        | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|                                      | Result    | Qualifier |          |     |       |   |                |                |         |
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 10/07/22 13:10 | 10/07/22 19:44 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 10/07/22 13:10 | 10/07/22 19:44 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 10/07/22 13:10 | 10/07/22 19:44 | 1       |
| Total TPH                            | <50.0     | U         | 50.0     |     | mg/Kg |   | 10/07/22 13:10 | 10/07/22 19:44 | 1       |
| Appendix C - Data - 000000           |           |           |          |     |       |   |                |                |         |
| Surrogate                            | MB        | MB        | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
|                                      | %Recovery | Qualifier |          |     |       |   |                |                |         |
| 1-Chlorooctane                       | 8         | S1-       | 70 - 130 |     |       |   | 10/07/22 13:10 | 10/07/22 19:44 | 1       |
| o-Terphenyl                          | 8         | S1-       | 70 - 130 |     |       |   | 10/07/22 13:10 | 10/07/22 19:44 | 1       |

Eurofins Carlsbad

## QC Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

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

Lab Sample ID: LCS 880-36385/2-A

Matrix: Solid

Analysis Batch: 36313

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36385

| Analyte                              |  |  | Spike | LCS    | LCS       | Unit  | D | %Rec   | %Rec   |          |  |
|--------------------------------------|--|--|-------|--------|-----------|-------|---|--------|--------|----------|--|
|                                      |  |  | Added | Result | Qualifier |       |   | Limits | Limits |          |  |
| Gasoline Range Organics (GRO)-C6-C10 |  |  | 1000  | 825.6  |           | mg/Kg |   | 83     |        | 70 - 130 |  |
| Diesel Range Organics (Over C10-C28) |  |  | 1000  | 1036   |           | mg/Kg |   | 104    |        | 70 - 130 |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
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|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |

Lab Sample ID: LCSD 880-36385/3-A

Matrix: Solid

Analysis Batch: 36313

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36385

| Report Data: 05/05/15                |                |                |             |             |                |       |   |      |             |     |           |
|--------------------------------------|----------------|----------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Analyte                              |                |                | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
| Gasoline Range Organics (GRO)-C6-C10 |                |                | 1000        | 835.3       |                | mg/Kg |   | 84   | 70 - 130    | 1   | 20        |
| Diesel Range Organics (Over C10-C28) |                |                | 1000        | 1142        |                | mg/Kg |   | 114  | 70 - 130    | 10  | 20        |
| Surrogate                            | LCSD %Recovery | LCSD Qualifier | Limits      |             |                |       |   |      |             |     |           |
| 1-Chlorooctane                       | 100            |                | 70 - 130    |             |                |       |   |      |             |     |           |
| o-Terphenyl                          | 102            |                | 70 - 130    |             |                |       |   |      |             |     |           |

Lab Sample ID: MB 880-36387/1-A

Matrix: Solid

Analysis Batch: 36315

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36387

| Analyte                              | MB        | MB        | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
|                                      | Result    | Qualifier |          |     |       |   |                |                |         |
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U         | 50.0     |     | mg/Kg |   | 10/07/22 13:17 | 10/07/22 19:44 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U         | 50.0     |     | mg/Kg |   | 10/07/22 13:17 | 10/07/22 19:44 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U         | 50.0     |     | mg/Kg |   | 10/07/22 13:17 | 10/07/22 19:44 | 1       |
| Total TPH                            | <50.0     | U         | 50.0     |     | mg/Kg |   | 10/07/22 13:17 | 10/07/22 19:44 | 1       |
| Surrogate                            | MB        | MB        | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
|                                      | %Recovery | Qualifier |          |     |       |   |                |                |         |
| 1-Chlorooctane                       | 7         | S1-       | 70 - 130 |     |       |   | 10/07/22 13:17 | 10/07/22 19:44 | 1       |
| o-Terphenyl                          | 7         | S1-       | 70 - 130 |     |       |   | 10/07/22 13:17 | 10/07/22 19:44 | 1       |

Lab Sample ID: LCS 880-36387/2-A

Matrix: Solid

Analysis Batch: 36315

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 36387

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 1166       |               | mg/Kg |   | 117  | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | 1000        | 1038       |               | mg/Kg |   | 104  | 70 - 130    |

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## QC Sample Results

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

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

Lab Sample ID: LCS 880-36387/2-A  
Matrix: Solid  
Analysis Batch: 36315

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 36387

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 110       |           | 70 - 130 |
| o-Terphenyl    | 119       |           | 70 - 130 |

Lab Sample ID: LCSD 880-36387/3-A  
Matrix: Solid  
Analysis Batch: 36315

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 36387

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 913.9       | *1             | mg/Kg |   | 91   | 70 - 130    | 24  | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 907.1       |                | mg/Kg |   | 91   | 70 - 130    | 13  | 20        |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 95        |           | 70 - 130 |
| o-Terphenyl    | 108       |           | 70 - 130 |

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## QC Association Summary

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

## GC VOA

## Prep Batch: 36607

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-3150-1         | SB01-S6-MS 5.4         | Total/NA  | Solid  | 5035   |            |
| 890-3150-2         | SB01-S15-MS 21.5       | Total/NA  | Solid  | 5035   |            |
| 890-3150-3         | SB01-S17-MS 1.4        | Total/NA  | Solid  | 5035   |            |
| 890-3150-4         | SB02-S15-MS 43         | Total/NA  | Solid  | 5035   |            |
| 890-3150-5         | DUPE 01                | Total/NA  | Solid  | 5035   |            |
| 890-3150-6         | SB02-S10-MS0           | Total/NA  | Solid  | 5035   |            |
| 890-3150-7         | SB02-S17-MS 15.5       | Total/NA  | Solid  | 5035   |            |
| 890-3150-9         | SB03-S15-MS 74.7       | Total/NA  | Solid  | 5035   |            |
| 890-3150-10        | MSD DUPE 1             | Total/NA  | Solid  | 5035   |            |
| 890-3150-12        | SB04-S5-MS 0           | Total/NA  | Solid  | 5035   |            |
| 890-3150-13        | SB04-S10-MS 10.7       | Total/NA  | Solid  | 5035   |            |
| 890-3150-14        | SB04-S17-MS 66         | Total/NA  | Solid  | 5035   |            |
| 890-3150-17        | SB05-S10-MS 76         | Total/NA  | Solid  | 5035   |            |
| 890-3150-18        | MSD DUPE 2             | Total/NA  | Solid  | 5035   |            |
| 890-3150-20        | SB06-S10-MS 0          | Total/NA  | Solid  | 5035   |            |
| MB 880-36607/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-36607/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-36607/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 890-3150-6 MS      | SB02-S10-MS0           | Total/NA  | Solid  | 5035   |            |
| 890-3150-6 MSD     | SB02-S10-MS0           | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 36609

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-3150-21        | SB06-S15-MS 68         | Total/NA  | Solid  | 5035   |            |
| 890-3150-22        | SB06-S17-MS 19.4       | Total/NA  | Solid  | 5035   |            |
| 890-3150-23        | SB07-S10-MS 0          | Total/NA  | Solid  | 5035   |            |
| 890-3150-24        | SB07-S18-MS 69         | Total/NA  | Solid  | 5035   |            |
| 890-3150-25        | SB07-S17-MS 94         | Total/NA  | Solid  | 5035   |            |
| 890-3150-26        | SB08-S5-MS 0           | Total/NA  | Solid  | 5035   |            |
| 890-3150-27        | SB08-S10-MS 1.4        | Total/NA  | Solid  | 5035   |            |
| 890-3150-28        | DUPE 003               | Total/NA  | Solid  | 5035   |            |
| 890-3150-29        | SB08-S17-MS 48         | Total/NA  | Solid  | 5035   |            |
| 890-3150-30        | MSD DUPE 3             | Total/NA  | Solid  | 5035   |            |
| 890-3150-31        | SB09-S10F-MS 0         | Total/NA  | Solid  | 5035   |            |
| 890-3150-32        | SB09-S15-MS 74         | Total/NA  | Solid  | 5035   |            |
| 890-3150-33        | SB09-S17-MS 19         | Total/NA  | Solid  | 5035   |            |
| 890-3150-34        | MSD DUPE 4             | Total/NA  | Solid  | 5035   |            |
| 890-3150-35        | SB10-S10-MS 233        | Total/NA  | Solid  | 5035   |            |
| 890-3150-36        | SB10-S15-MS 85         | Total/NA  | Solid  | 5035   |            |
| 890-3150-37        | SB10-S17-MS 99         | Total/NA  | Solid  | 5035   |            |
| MB 880-36609/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-36609/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-36609/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 890-3150-23 MS     | SB07-S10-MS 0          | Total/NA  | Solid  | 5035   |            |
| 890-3150-23 MSD    | SB07-S10-MS 0          | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 36684

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| MB 880-36684/5-A | Method Blank     | Total/NA  | Solid  | 5035   |            |

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## QC Association Summary

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

## GC VOA

## Prep Batch: 36737

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| MB 880-36737/5-A | Method Blank     | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 36814

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-3150-1         | SB01-S6-MS 5.4         | Total/NA  | Solid  | 8021B  | 36607      |
| 890-3150-2         | SB01-S15-MS 21.5       | Total/NA  | Solid  | 8021B  | 36607      |
| 890-3150-3         | SB01-S17-MS 1.4        | Total/NA  | Solid  | 8021B  | 36607      |
| 890-3150-4         | SB02-S15-MS 43         | Total/NA  | Solid  | 8021B  | 36607      |
| 890-3150-5         | DUPE 01                | Total/NA  | Solid  | 8021B  | 36607      |
| 890-3150-6         | SB02-S10-MS0           | Total/NA  | Solid  | 8021B  | 36607      |
| 890-3150-7         | SB02-S17-MS 15.5       | Total/NA  | Solid  | 8021B  | 36607      |
| 890-3150-9         | SB03-S15-MS 74.7       | Total/NA  | Solid  | 8021B  | 36607      |
| 890-3150-10        | MSD DUPE 1             | Total/NA  | Solid  | 8021B  | 36607      |
| 890-3150-12        | SB04-S5-MS 0           | Total/NA  | Solid  | 8021B  | 36607      |
| 890-3150-13        | SB04-S10-MS 10.7       | Total/NA  | Solid  | 8021B  | 36607      |
| 890-3150-14        | SB04-S17-MS 66         | Total/NA  | Solid  | 8021B  | 36607      |
| 890-3150-17        | SB05-S10-MS 76         | Total/NA  | Solid  | 8021B  | 36607      |
| 890-3150-18        | MSD DUPE 2             | Total/NA  | Solid  | 8021B  | 36607      |
| 890-3150-20        | SB06-S10-MS 0          | Total/NA  | Solid  | 8021B  | 36607      |
| MB 880-36607/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 36607      |
| MB 880-36737/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 36737      |
| LCS 880-36607/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 36607      |
| LCSD 880-36607/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 36607      |
| 890-3150-6 MS      | SB02-S10-MS0           | Total/NA  | Solid  | 8021B  | 36607      |
| 890-3150-6 MSD     | SB02-S10-MS0           | Total/NA  | Solid  | 8021B  | 36607      |

## Analysis Batch: 36928

| Lab Sample ID     | Client Sample ID   | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|--------|------------|
| 890-3150-8        | SB03-S10-MS0       | Total/NA  | Solid  | 8021B  | 36936      |
| 890-3150-21       | SB06-S15-MS 68     | Total/NA  | Solid  | 8021B  | 36609      |
| 890-3150-22       | SB06-S17-MS 19.4   | Total/NA  | Solid  | 8021B  | 36609      |
| 890-3150-23       | SB07-S10-MS 0      | Total/NA  | Solid  | 8021B  | 36609      |
| 890-3150-24       | SB07-S18-MS 69     | Total/NA  | Solid  | 8021B  | 36609      |
| 890-3150-25       | SB07-S17-MS 94     | Total/NA  | Solid  | 8021B  | 36609      |
| 890-3150-26       | SB08-S5-MS 0       | Total/NA  | Solid  | 8021B  | 36609      |
| 890-3150-27       | SB08-S10-MS 1.4    | Total/NA  | Solid  | 8021B  | 36609      |
| 890-3150-28       | DUPE 003           | Total/NA  | Solid  | 8021B  | 36609      |
| 890-3150-29       | SB08-S17-MS 48     | Total/NA  | Solid  | 8021B  | 36609      |
| 890-3150-30       | MSD DUPE 3         | Total/NA  | Solid  | 8021B  | 36609      |
| 890-3150-31       | SB09-S10F-MS 0     | Total/NA  | Solid  | 8021B  | 36609      |
| 890-3150-32       | SB09-S15-MS 74     | Total/NA  | Solid  | 8021B  | 36609      |
| 890-3150-33       | SB09-S17-MS 19     | Total/NA  | Solid  | 8021B  | 36609      |
| 890-3150-34       | MSD DUPE 4         | Total/NA  | Solid  | 8021B  | 36609      |
| 890-3150-35       | SB10-S10-MS 233    | Total/NA  | Solid  | 8021B  | 36609      |
| 890-3150-36       | SB10-S15-MS 85     | Total/NA  | Solid  | 8021B  | 36609      |
| 890-3150-37       | SB10-S17-MS 99     | Total/NA  | Solid  | 8021B  | 36609      |
| MB 880-36609/5-A  | Method Blank       | Total/NA  | Solid  | 8021B  | 36609      |
| MB 880-36684/5-A  | Method Blank       | Total/NA  | Solid  | 8021B  | 36684      |
| MB 880-36936/5-A  | Method Blank       | Total/NA  | Solid  | 8021B  | 36936      |
| LCS 880-36609/1-A | Lab Control Sample | Total/NA  | Solid  | 8021B  | 36609      |
| LCS 880-36936/1-A | Lab Control Sample | Total/NA  | Solid  | 8021B  | 36936      |

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## QC Association Summary

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

## GC VOA (Continued)

## Analysis Batch: 36928 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| LCSD 880-36609/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 36609      |
| LCSD 880-36936/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 36936      |
| 890-3150-23 MS     | SB07-S10-MS 0          | Total/NA  | Solid  | 8021B  | 36609      |
| 890-3150-23 MSD    | SB07-S10-MS 0          | Total/NA  | Solid  | 8021B  | 36609      |

## Prep Batch: 36936

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-3150-8         | SB03-S10-MS0           | Total/NA  | Solid  | 5035   |            |
| MB 880-36936/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-36936/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-36936/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 36969

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-3150-1    | SB01-S6-MS 5.4   | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-2    | SB01-S15-MS 21.5 | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-3    | SB01-S17-MS 1.4  | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-4    | SB02-S15-MS 43   | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-5    | DUPE 01          | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-6    | SB02-S10-MS0     | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-7    | SB02-S17-MS 15.5 | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-8    | SB03-S10-MS0     | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-9    | SB03-S15-MS 74.7 | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-10   | MSD DUPE 1       | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-11   | SB03-S17-MS 3.4  | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-12   | SB04-S5-MS 0     | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-13   | SB04-S10-MS 10.7 | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-14   | SB04-S17-MS 66   | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-15   | SB05-S5-MS 53    | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-16   | DUPE 02          | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-17   | SB05-S10-MS 76   | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-18   | MSD DUPE 2       | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-19   | SB05-S17-MS 80.2 | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-20   | SB06-S10-MS 0    | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-21   | SB06-S15-MS 68   | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-22   | SB06-S17-MS 19.4 | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-23   | SB07-S10-MS 0    | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-24   | SB07-S18-MS 69   | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-25   | SB07-S17-MS 94   | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-26   | SB08-S5-MS 0     | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-27   | SB08-S10-MS 1.4  | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-28   | DUPE 003         | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-29   | SB08-S17-MS 48   | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-30   | MSD DUPE 3       | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-31   | SB09-S10F-MS 0   | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-32   | SB09-S15-MS 74   | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-33   | SB09-S17-MS 19   | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-34   | MSD DUPE 4       | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-35   | SB10-S10-MS 233  | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-36   | SB10-S15-MS 85   | Total/NA  | Solid  | Total BTEX |            |
| 890-3150-37   | SB10-S17-MS 99   | Total/NA  | Solid  | Total BTEX |            |

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## QC Association Summary

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

## GC VOA

## Prep Batch: 36974

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-3150-1         | SB01-56-MS 5.4         | Total/NA  | Solid  | 5035   |            |
| 890-3150-2         | SB01-S15-MS 21.5       | Total/NA  | Solid  | 5035   |            |
| 890-3150-3         | SB01-S17-MS 1.4        | Total/NA  | Solid  | 5035   |            |
| 890-3150-4         | SB02-S15-MS 43         | Total/NA  | Solid  | 5035   |            |
| 890-3150-5         | DUPE 01                | Total/NA  | Solid  | 5035   |            |
| 890-3150-7         | SB02-S17-MS 15.5       | Total/NA  | Solid  | 5035   |            |
| 890-3150-9         | SB03-S15-MS 74.7       | Total/NA  | Solid  | 5035   |            |
| 890-3150-11        | SB03-S17-MS 3.4        | Total/NA  | Solid  | 5035   |            |
| 890-3150-13        | SB04-S10-MS 10.7       | Total/NA  | Solid  | 5035   |            |
| 890-3150-14        | SB04-S17-MS 66         | Total/NA  | Solid  | 5035   |            |
| 890-3150-15        | SB05-S5-MS 53          | Total/NA  | Solid  | 5035   |            |
| 890-3150-16        | DUPE 02                | Total/NA  | Solid  | 5035   |            |
| 890-3150-17        | SB05-S10-MS 76         | Total/NA  | Solid  | 5035   |            |
| 890-3150-18        | MSD DUPE 2             | Total/NA  | Solid  | 5035   |            |
| 890-3150-19        | SB05-S17-MS 80.2       | Total/NA  | Solid  | 5035   |            |
| MB 880-36974/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-36974/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-36974/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 37019

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-3150-1         | SB01-56-MS 5.4         | Total/NA  | Solid  | 8021B  | 36974      |
| 890-3150-2         | SB01-S15-MS 21.5       | Total/NA  | Solid  | 8021B  | 36974      |
| 890-3150-3         | SB01-S17-MS 1.4        | Total/NA  | Solid  | 8021B  | 36974      |
| 890-3150-4         | SB02-S15-MS 43         | Total/NA  | Solid  | 8021B  | 36974      |
| 890-3150-5         | DUPE 01                | Total/NA  | Solid  | 8021B  | 36974      |
| 890-3150-7         | SB02-S17-MS 15.5       | Total/NA  | Solid  | 8021B  | 36974      |
| 890-3150-9         | SB03-S15-MS 74.7       | Total/NA  | Solid  | 8021B  | 36974      |
| 890-3150-11        | SB03-S17-MS 3.4        | Total/NA  | Solid  | 8021B  | 36974      |
| 890-3150-13        | SB04-S10-MS 10.7       | Total/NA  | Solid  | 8021B  | 36974      |
| 890-3150-14        | SB04-S17-MS 66         | Total/NA  | Solid  | 8021B  | 36974      |
| 890-3150-15        | SB05-S5-MS 53          | Total/NA  | Solid  | 8021B  | 36974      |
| 890-3150-16        | DUPE 02                | Total/NA  | Solid  | 8021B  | 36974      |
| 890-3150-17        | SB05-S10-MS 76         | Total/NA  | Solid  | 8021B  | 36974      |
| 890-3150-18        | MSD DUPE 2             | Total/NA  | Solid  | 8021B  | 36974      |
| 890-3150-19        | SB05-S17-MS 80.2       | Total/NA  | Solid  | 8021B  | 36974      |
| MB 880-36974/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 36974      |
| LCS 880-36974/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 36974      |
| LCSD 880-36974/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 36974      |

## GC Semi VOA

## Analysis Batch: 36313

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 890-3150-11   | SB03-S17-MS 3.4  | Total/NA  | Solid  | 8015B NM | 36385      |
| 890-3150-12   | SB04-S5-MS 0     | Total/NA  | Solid  | 8015B NM | 36385      |
| 890-3150-13   | SB04-S10-MS 10.7 | Total/NA  | Solid  | 8015B NM | 36385      |
| 890-3150-14   | SB04-S17-MS 66   | Total/NA  | Solid  | 8015B NM | 36385      |
| 890-3150-15   | SB05-S5-MS 53    | Total/NA  | Solid  | 8015B NM | 36385      |
| 890-3150-16   | DUPE 02          | Total/NA  | Solid  | 8015B NM | 36385      |
| 890-3150-17   | SB05-S10-MS 76   | Total/NA  | Solid  | 8015B NM | 36385      |

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## QC Association Summary

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

## GC Semi VOA (Continued)

## Analysis Batch: 36313 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-3150-18        | MSD DUPE 2             | Total/NA  | Solid  | 8015B NM | 36385      |
| 890-3150-19        | SB05-S17-MS 80.2       | Total/NA  | Solid  | 8015B NM | 36385      |
| 890-3150-20        | SB06-S10-MS 0          | Total/NA  | Solid  | 8015B NM | 36385      |
| 890-3150-21        | SB06-S15-MS 68         | Total/NA  | Solid  | 8015B NM | 36321      |
| 890-3150-22        | SB06-S17-MS 19.4       | Total/NA  | Solid  | 8015B NM | 36321      |
| 890-3150-23        | SB07-S10-MS 0          | Total/NA  | Solid  | 8015B NM | 36321      |
| 890-3150-24        | SB07-S18-MS 69         | Total/NA  | Solid  | 8015B NM | 36321      |
| 890-3150-25        | SB07-S17-MS 94         | Total/NA  | Solid  | 8015B NM | 36321      |
| 890-3150-26        | SB08-S5-MS 0           | Total/NA  | Solid  | 8015B NM | 36321      |
| 890-3150-27        | SB08-S10-MS 1.4        | Total/NA  | Solid  | 8015B NM | 36321      |
| 890-3150-28        | DUPE 003               | Total/NA  | Solid  | 8015B NM | 36321      |
| 890-3150-29        | SB08-S17-MS 48         | Total/NA  | Solid  | 8015B NM | 36321      |
| 890-3150-30        | MSD DUPE 3             | Total/NA  | Solid  | 8015B NM | 36321      |
| 890-3150-31        | SB09-S10F-MS 0         | Total/NA  | Solid  | 8015B NM | 36321      |
| 890-3150-32        | SB09-S15-MS 74         | Total/NA  | Solid  | 8015B NM | 36321      |
| 890-3150-33        | SB09-S17-MS 19         | Total/NA  | Solid  | 8015B NM | 36321      |
| 890-3150-34        | MSD DUPE 4             | Total/NA  | Solid  | 8015B NM | 36321      |
| 890-3150-35        | SB10-S10-MS 233        | Total/NA  | Solid  | 8015B NM | 36321      |
| 890-3150-36        | SB10-S15-MS 85         | Total/NA  | Solid  | 8015B NM | 36321      |
| 890-3150-37        | SB10-S17-MS 99         | Total/NA  | Solid  | 8015B NM | 36321      |
| MB 880-36321/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 36321      |
| MB 880-36385/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 36385      |
| LCS 880-36321/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 36321      |
| LCS 880-36385/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 36385      |
| LCSD 880-36321/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 36321      |
| LCSD 880-36385/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 36385      |

## Analysis Batch: 36315

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-3150-1         | SB01-S6-MS 5.4         | Total/NA  | Solid  | 8015B NM | 36387      |
| 890-3150-2         | SB01-S15-MS 21.5       | Total/NA  | Solid  | 8015B NM | 36387      |
| 890-3150-3         | SB01-S17-MS 1.4        | Total/NA  | Solid  | 8015B NM | 36387      |
| 890-3150-4         | SB02-S15-MS 43         | Total/NA  | Solid  | 8015B NM | 36387      |
| 890-3150-5         | DUPE 01                | Total/NA  | Solid  | 8015B NM | 36387      |
| 890-3150-6         | SB02-S10-MS0           | Total/NA  | Solid  | 8015B NM | 36387      |
| 890-3150-7         | SB02-S17-MS 15.5       | Total/NA  | Solid  | 8015B NM | 36387      |
| 890-3150-8         | SB03-S10-MS0           | Total/NA  | Solid  | 8015B NM | 36387      |
| 890-3150-9         | SB03-S15-MS 74.7       | Total/NA  | Solid  | 8015B NM | 36387      |
| 890-3150-10        | MSD DUPE 1             | Total/NA  | Solid  | 8015B NM | 36387      |
| MB 880-36387/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 36387      |
| LCS 880-36387/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 36387      |
| LCSD 880-36387/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 36387      |

## Prep Batch: 36321

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method      | Prep Batch |
|---------------|------------------|-----------|--------|-------------|------------|
| 890-3150-21   | SB06-S15-MS 68   | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3150-22   | SB06-S17-MS 19.4 | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3150-23   | SB07-S10-MS 0    | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3150-24   | SB07-S18-MS 69   | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3150-25   | SB07-S17-MS 94   | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3150-26   | SB08-S5-MS 0     | Total/NA  | Solid  | 8015NM Prep |            |

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## QC Association Summary

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

## GC Semi VOA (Continued)

## Prep Batch: 36321 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 890-3150-27        | SB08-S10-MS 1.4        | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3150-28        | DUPE 003               | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3150-29        | SB08-S17-MS 48         | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3150-30        | MSD DUPE 3             | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3150-31        | SB09-S10F-MS 0         | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3150-32        | SB09-S15-MS 74         | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3150-33        | SB09-S17-MS 19         | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3150-34        | MSD DUPE 4             | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3150-35        | SB10-S10-MS 233        | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3150-36        | SB10-S15-MS 85         | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3150-37        | SB10-S17-MS 99         | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-36321/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-36321/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-36321/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |

## Prep Batch: 36385

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 890-3150-11        | SB03-S17-MS 3.4        | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3150-12        | SB04-S5-MS 0           | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3150-13        | SB04-S10-MS 10.7       | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3150-14        | SB04-S17-MS 66         | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3150-15        | SB05-S5-MS 53          | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3150-16        | DUPE 02                | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3150-17        | SB05-S10-MS 76         | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3150-18        | MSD DUPE 2             | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3150-19        | SB05-S17-MS 80.2       | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3150-20        | SB06-S10-MS 0          | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-36385/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-36385/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-36385/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |

## Prep Batch: 36387

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 890-3150-1         | SB01-S6-MS 5.4         | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3150-2         | SB01-S15-MS 21.5       | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3150-3         | SB01-S17-MS 1.4        | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3150-4         | SB02-S15-MS 43         | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3150-5         | DUPE 01                | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3150-6         | SB02-S10-MS0           | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3150-7         | SB02-S17-MS 15.5       | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3150-8         | SB03-S10-MS0           | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3150-9         | SB03-S15-MS 74.7       | Total/NA  | Solid  | 8015NM Prep |            |
| 890-3150-10        | MSD DUPE 1             | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-36387/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-36387/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-36387/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 36579

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-3150-1    | SB01-S6-MS 5.4   | Total/NA  | Solid  | 8015 NM |            |
| 890-3150-2    | SB01-S15-MS 21.5 | Total/NA  | Solid  | 8015 NM |            |

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## QC Association Summary

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

## GC Semi VOA (Continued)

## Analysis Batch: 36579 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-3150-3    | SB01-S17-MS 1.4  | Total/NA  | Solid  | 8015 NM |            |
| 890-3150-4    | SB02-S15-MS 43   | Total/NA  | Solid  | 8015 NM |            |
| 890-3150-5    | DUPE 01          | Total/NA  | Solid  | 8015 NM |            |
| 890-3150-6    | SB02-S10-MS0     | Total/NA  | Solid  | 8015 NM |            |
| 890-3150-7    | SB02-S17-MS 15.5 | Total/NA  | Solid  | 8015 NM |            |
| 890-3150-8    | SB03-S10-MS0     | Total/NA  | Solid  | 8015 NM |            |
| 890-3150-9    | SB03-S15-MS 74.7 | Total/NA  | Solid  | 8015 NM |            |
| 890-3150-10   | MSD DUPE 1       | Total/NA  | Solid  | 8015 NM |            |
| 890-3150-11   | SB03-S17-MS 3.4  | Total/NA  | Solid  | 8015 NM |            |
| 890-3150-12   | SB04-S5-MS 0     | Total/NA  | Solid  | 8015 NM |            |
| 890-3150-13   | SB04-S10-MS 10.7 | Total/NA  | Solid  | 8015 NM |            |
| 890-3150-14   | SB04-S17-MS 66   | Total/NA  | Solid  | 8015 NM |            |
| 890-3150-15   | SB05-S5-MS 53    | Total/NA  | Solid  | 8015 NM |            |
| 890-3150-16   | DUPE 02          | Total/NA  | Solid  | 8015 NM |            |
| 890-3150-17   | SB05-S10-MS 76   | Total/NA  | Solid  | 8015 NM |            |
| 890-3150-18   | MSD DUPE 2       | Total/NA  | Solid  | 8015 NM |            |
| 890-3150-19   | SB05-S17-MS 80.2 | Total/NA  | Solid  | 8015 NM |            |
| 890-3150-20   | SB06-S10-MS 0    | Total/NA  | Solid  | 8015 NM |            |
| 890-3150-21   | SB06-S15-MS 68   | Total/NA  | Solid  | 8015 NM |            |
| 890-3150-22   | SB06-S17-MS 19.4 | Total/NA  | Solid  | 8015 NM |            |
| 890-3150-23   | SB07-S10-MS 0    | Total/NA  | Solid  | 8015 NM |            |
| 890-3150-24   | SB07-S18-MS 69   | Total/NA  | Solid  | 8015 NM |            |
| 890-3150-25   | SB07-S17-MS 94   | Total/NA  | Solid  | 8015 NM |            |
| 890-3150-26   | SB08-S5-MS 0     | Total/NA  | Solid  | 8015 NM |            |
| 890-3150-27   | SB08-S10-MS 1.4  | Total/NA  | Solid  | 8015 NM |            |
| 890-3150-28   | DUPE 003         | Total/NA  | Solid  | 8015 NM |            |
| 890-3150-29   | SB08-S17-MS 48   | Total/NA  | Solid  | 8015 NM |            |
| 890-3150-30   | MSD DUPE 3       | Total/NA  | Solid  | 8015 NM |            |
| 890-3150-31   | SB09-S10F-MS 0   | Total/NA  | Solid  | 8015 NM |            |
| 890-3150-32   | SB09-S15-MS 74   | Total/NA  | Solid  | 8015 NM |            |
| 890-3150-33   | SB09-S17-MS 19   | Total/NA  | Solid  | 8015 NM |            |
| 890-3150-34   | MSD DUPE 4       | Total/NA  | Solid  | 8015 NM |            |
| 890-3150-35   | SB10-S10-MS 233  | Total/NA  | Solid  | 8015 NM |            |
| 890-3150-36   | SB10-S15-MS 85   | Total/NA  | Solid  | 8015 NM |            |
| 890-3150-37   | SB10-S17-MS 99   | Total/NA  | Solid  | 8015 NM |            |

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## Lab Chronicle

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

Client Sample ID: SB01-56-MS 5.4

Lab Sample ID: 890-3150-1

Date Collected: 10/05/22 08:45

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 36607        | 10/10/22 16:51       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 50         | 5 mL           | 5 mL         | 36814        | 10/13/22 22:42       | MNR     | EET MID |
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 36974        | 10/14/22 13:40       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 10         | 5 mL           | 5 mL         | 37019        | 10/16/22 00:28       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 36387        | 10/07/22 13:17       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36315        | 10/08/22 02:38       | SM      | EET MID |

Client Sample ID: SB01-S15-MS 21.5

Lab Sample ID: 890-3150-2

Date Collected: 10/05/22 09:00

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 36607        | 10/10/22 16:51       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 50         | 5 mL           | 5 mL         | 36814        | 10/13/22 23:03       | MNR     | EET MID |
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 36974        | 10/14/22 13:40       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 10         | 5 mL           | 5 mL         | 37019        | 10/16/22 00:49       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 36387        | 10/07/22 13:17       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36315        | 10/08/22 02:59       | SM      | EET MID |

Client Sample ID: SB01-S17-MS 1.4

Lab Sample ID: 890-3150-3

Date Collected: 10/05/22 09:10

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 36607        | 10/10/22 16:51       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 50         | 5 mL           | 5 mL         | 36814        | 10/13/22 23:23       | MNR     | EET MID |
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 36974        | 10/14/22 13:40       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 10         | 5 mL           | 5 mL         | 37019        | 10/16/22 01:09       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 36387        | 10/07/22 13:17       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36315        | 10/08/22 03:21       | SM      | EET MID |

Client Sample ID: SB02-S15-MS 43

Lab Sample ID: 890-3150-4

Date Collected: 10/05/22 09:35

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 36607        | 10/10/22 16:51       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 50         | 5 mL           | 5 mL         | 36814        | 10/13/22 23:44       | MNR     | EET MID |

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## Lab Chronicle

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

Client Sample ID: SB02-S15-MS 43

Lab Sample ID: 890-3150-4

Date Collected: 10/05/22 09:35

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 36974        | 10/14/22 13:40       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 10         | 5 mL           | 5 mL         | 37019        | 10/16/22 01:30       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 36387        | 10/07/22 13:17       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36315        | 10/08/22 03:42       | SM      | EET MID |

Client Sample ID: DUPE 01

Lab Sample ID: 890-3150-5

Date Collected: 10/05/22 00:00

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 36607        | 10/10/22 16:51       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 50         | 5 mL           | 5 mL         | 36814        | 10/14/22 00:05       | MNR     | EET MID |
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 36974        | 10/14/22 13:40       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 10         | 5 mL           | 5 mL         | 37019        | 10/16/22 01:50       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 36387        | 10/07/22 13:17       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36315        | 10/08/22 04:04       | SM      | EET MID |

Client Sample ID: SB02-S10-MS0

Lab Sample ID: 890-3150-6

Date Collected: 10/05/22 09:25

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 36607        | 10/10/22 16:51       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36814        | 10/13/22 22:21       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 36387        | 10/07/22 13:17       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36315        | 10/08/22 01:33       | SM      | EET MID |

Client Sample ID: SB02-S17-MS 15.5

Lab Sample ID: 890-3150-7

Date Collected: 10/05/22 09:45

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 36607        | 10/10/22 16:51       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 50         | 5 mL           | 5 mL         | 36814        | 10/14/22 00:25       | MNR     | EET MID |
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 36974        | 10/14/22 13:40       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 10         | 5 mL           | 5 mL         | 37019        | 10/16/22 02:10       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |

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## Lab Chronicle

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

Client Sample ID: SB02-S17-MS 15.5

Lab Sample ID: 890-3150-7

Date Collected: 10/05/22 09:45

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 36387        | 10/07/22 13:17       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36315        | 10/08/22 04:25       | SM      | EET MID |

Client Sample ID: SB03-S10-MS0

Lab Sample ID: 890-3150-8

Date Collected: 10/05/22 10:00

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.00 g         | 5 mL         | 36936        | 10/14/22 08:57       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 10         | 5 mL           | 5 mL         | 36928        | 10/14/22 12:04       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 36387        | 10/07/22 13:17       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36315        | 10/08/22 04:47       | SM      | EET MID |

Client Sample ID: SB03-S15-MS 74.7

Lab Sample ID: 890-3150-9

Date Collected: 10/05/22 10:05

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 36607        | 10/10/22 16:51       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 50         | 5 mL           | 5 mL         | 36814        | 10/14/22 01:07       | MNR     | EET MID |
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 36974        | 10/14/22 13:40       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 10         | 5 mL           | 5 mL         | 37019        | 10/16/22 02:31       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 36387        | 10/07/22 13:17       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36315        | 10/08/22 05:08       | SM      | EET MID |

Client Sample ID: MSD DUPE 1

Lab Sample ID: 890-3150-10

Date Collected: 10/05/22 00:00

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 36607        | 10/10/22 16:51       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 50         | 5 mL           | 5 mL         | 36814        | 10/14/22 01:28       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 36387        | 10/07/22 13:17       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36315        | 10/08/22 05:30       | SM      | EET MID |

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## Lab Chronicle

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

Client Sample ID: SB03-S17-MS 3.4

Lab Sample ID: 890-3150-11

Date Collected: 10/05/22 10:10

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.98 g         | 5 mL         | 36974        | 10/14/22 13:40       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 10         | 5 mL           | 5 mL         | 37019        | 10/16/22 02:51       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 36385        | 10/07/22 13:10       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36313        | 10/08/22 03:21       | SM      | EET MID |

Client Sample ID: SB04-S5-MS 0

Lab Sample ID: 890-3150-12

Date Collected: 10/05/22 10:20

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.96 g         | 5 mL         | 36607        | 10/10/22 16:51       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36814        | 10/14/22 03:12       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 36385        | 10/07/22 13:10       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36313        | 10/08/22 03:42       | SM      | EET MID |

Client Sample ID: SB04-S10-MS 10.7

Lab Sample ID: 890-3150-13

Date Collected: 10/05/22 10:25

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 36607        | 10/10/22 16:51       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 50         | 5 mL           | 5 mL         | 36814        | 10/14/22 03:54       | MNR     | EET MID |
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 36974        | 10/14/22 13:40       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 10         | 5 mL           | 5 mL         | 37019        | 10/16/22 03:12       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 36385        | 10/07/22 13:10       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36313        | 10/08/22 04:04       | SM      | EET MID |

Client Sample ID: SB04-S17-MS 66

Lab Sample ID: 890-3150-14

Date Collected: 10/05/22 10:35

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 36607        | 10/10/22 16:51       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 50         | 5 mL           | 5 mL         | 36814        | 10/14/22 04:15       | MNR     | EET MID |
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 36974        | 10/14/22 13:40       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 10         | 5 mL           | 5 mL         | 37019        | 10/16/22 06:23       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |

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## Lab Chronicle

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

Client Sample ID: SB04-S17-MS 66

Lab Sample ID: 890-3150-14

Date Collected: 10/05/22 10:35

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 36385        | 10/07/22 13:10       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36313        | 10/08/22 04:25       | SM      | EET MID |

Client Sample ID: SB05-S5-MS 53

Lab Sample ID: 890-3150-15

Date Collected: 10/05/22 10:45

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.96 g         | 5 mL         | 36974        | 10/14/22 13:40       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 10         | 5 mL           | 5 mL         | 37019        | 10/16/22 06:43       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 36385        | 10/07/22 13:10       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36313        | 10/08/22 08:10       | SM      | EET MID |

Client Sample ID: DUPE 02

Lab Sample ID: 890-3150-16

Date Collected: 10/05/22 00:00

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 36974        | 10/14/22 13:40       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 10         | 5 mL           | 5 mL         | 37019        | 10/16/22 07:03       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 36385        | 10/07/22 13:10       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36313        | 10/08/22 08:31       | SM      | EET MID |

Client Sample ID: SB05-S10-MS 76

Lab Sample ID: 890-3150-17

Date Collected: 10/05/22 10:50

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 36607        | 10/10/22 16:51       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 50         | 5 mL           | 5 mL         | 36814        | 10/14/22 05:17       | MNR     | EET MID |
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 36974        | 10/14/22 13:40       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 10         | 5 mL           | 5 mL         | 37019        | 10/16/22 07:24       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 36385        | 10/07/22 13:10       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36313        | 10/08/22 04:47       | SM      | EET MID |

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## Lab Chronicle

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

Client Sample ID: MSD DUPE 2

Lab Sample ID: 890-3150-18

Date Collected: 10/05/22 00:00

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 36607        | 10/10/22 16:51       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 50         | 5 mL           | 5 mL         | 36814        | 10/14/22 05:37       | MNR     | EET MID |
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 36974        | 10/14/22 13:40       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 10         | 5 mL           | 5 mL         | 37019        | 10/16/22 07:44       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 36385        | 10/07/22 13:10       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36313        | 10/08/22 05:08       | SM      | EET MID |

Client Sample ID: SB05-S17-MS 80.2

Lab Sample ID: 890-3150-19

Date Collected: 10/05/22 11:00

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 36974        | 10/14/22 13:40       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 10         | 5 mL           | 5 mL         | 37019        | 10/16/22 08:04       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 36385        | 10/07/22 13:10       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36313        | 10/08/22 05:30       | SM      | EET MID |

Client Sample ID: SB06-S10-MS 0

Lab Sample ID: 890-3150-20

Date Collected: 10/05/22 11:12

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.95 g         | 5 mL         | 36607        | 10/10/22 16:51       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36814        | 10/14/22 02:52       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 36385        | 10/07/22 13:10       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36313        | 10/08/22 00:50       | SM      | EET MID |

Client Sample ID: SB06-S15-MS 68

Lab Sample ID: 890-3150-21

Date Collected: 10/05/22 11:15

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 36609        | 10/10/22 16:53       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 10         | 5 mL           | 5 mL         | 36928        | 10/15/22 10:38       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 36321        | 10/07/22 07:40       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36313        | 10/07/22 13:21       | SM      | EET MID |

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## Lab Chronicle

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

Client Sample ID: SB06-S17-MS 19.4

Lab Sample ID: 890-3150-22

Date Collected: 10/05/22 11:20

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.96 g         | 5 mL         | 36609        | 10/10/22 16:53       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 10         | 5 mL           | 5 mL         | 36928        | 10/15/22 10:59       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 36321        | 10/07/22 07:40       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36313        | 10/07/22 13:42       | SM      | EET MID |

Client Sample ID: SB07-S10-MS 0

Lab Sample ID: 890-3150-23

Date Collected: 10/05/22 11:30

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 36609        | 10/10/22 16:53       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36928        | 10/15/22 09:15       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 36321        | 10/07/22 07:40       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36313        | 10/07/22 13:00       | SM      | EET MID |

Client Sample ID: SB07-S18-MS 69

Lab Sample ID: 890-3150-24

Date Collected: 10/05/22 11:35

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 36609        | 10/10/22 16:53       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 10         | 5 mL           | 5 mL         | 36928        | 10/15/22 11:19       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 36321        | 10/07/22 07:40       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36313        | 10/07/22 14:04       | SM      | EET MID |

Client Sample ID: SB07-S17-MS 94

Lab Sample ID: 890-3150-25

Date Collected: 10/05/22 11:45

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.96 g         | 5 mL         | 36609        | 10/10/22 16:53       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 10         | 5 mL           | 5 mL         | 36928        | 10/15/22 11:40       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 36321        | 10/07/22 07:40       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36313        | 10/07/22 14:25       | SM      | EET MID |

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## Lab Chronicle

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

Client Sample ID: SB08-S5-MS 0

Lab Sample ID: 890-3150-26

Date Collected: 10/05/22 11:55

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 36609        | 10/10/22 16:53       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36928        | 10/15/22 09:36       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 36321        | 10/07/22 07:40       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36313        | 10/07/22 14:46       | SM      | EET MID |

Client Sample ID: SB08-S10-MS 1.4

Lab Sample ID: 890-3150-27

Date Collected: 10/05/22 11:57

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 36609        | 10/10/22 16:53       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36928        | 10/15/22 09:56       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 36321        | 10/07/22 07:40       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36313        | 10/08/22 08:53       | SM      | EET MID |

Client Sample ID: DUPE 003

Lab Sample ID: 890-3150-28

Date Collected: 10/05/22 00:00

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 36609        | 10/10/22 16:53       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36928        | 10/15/22 10:17       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 36321        | 10/07/22 07:40       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36313        | 10/07/22 15:50       | SM      | EET MID |

Client Sample ID: SB08-S17-MS 48

Lab Sample ID: 890-3150-29

Date Collected: 10/05/22 12:05

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 36609        | 10/10/22 16:53       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 10         | 5 mL           | 5 mL         | 36928        | 10/15/22 12:01       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 36321        | 10/07/22 07:40       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36313        | 10/07/22 16:12       | SM      | EET MID |

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## Lab Chronicle

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

Client Sample ID: MSD DUPE 3

Lab Sample ID: 890-3150-30

Date Collected: 10/05/22 00:00

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 36609        | 10/10/22 16:53       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 10         | 5 mL           | 5 mL         | 36928        | 10/15/22 12:22       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 36321        | 10/07/22 07:40       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36313        | 10/07/22 16:33       | SM      | EET MID |

Client Sample ID: SB09-S10F-MS 0

Lab Sample ID: 890-3150-31

Date Collected: 10/05/22 12:20

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 36609        | 10/10/22 16:53       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36928        | 10/15/22 14:49       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 36321        | 10/07/22 07:40       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36313        | 10/07/22 16:55       | SM      | EET MID |

Client Sample ID: SB09-S15-MS 74

Lab Sample ID: 890-3150-32

Date Collected: 10/05/22 12:25

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.96 g         | 5 mL         | 36609        | 10/10/22 16:53       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 36928        | 10/15/22 15:10       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 36321        | 10/07/22 07:40       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36313        | 10/07/22 17:16       | SM      | EET MID |

Client Sample ID: SB09-S17-MS 19

Lab Sample ID: 890-3150-33

Date Collected: 10/05/22 12:30

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 36609        | 10/10/22 16:53       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 10         | 5 mL           | 5 mL         | 36928        | 10/15/22 15:30       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 36321        | 10/07/22 07:40       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36313        | 10/07/22 17:38       | SM      | EET MID |

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## Lab Chronicle

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

## Client Sample ID: MSD DUPE 4

## Lab Sample ID: 890-3150-34

Date Collected: 10/05/22 00:00

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 36609        | 10/10/22 16:53       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 10         | 5 mL           | 5 mL         | 36928        | 10/15/22 15:51       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 36321        | 10/07/22 07:40       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36313        | 10/07/22 17:59       | SM      | EET MID |

## Client Sample ID: SB10-S10-MS 233

## Lab Sample ID: 890-3150-35

Date Collected: 10/05/22 13:00

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 36609        | 10/10/22 16:53       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 10         | 5 mL           | 5 mL         | 36928        | 10/15/22 16:12       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.05 g        | 10 mL        | 36321        | 10/07/22 07:40       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36313        | 10/07/22 18:21       | SM      | EET MID |

## Client Sample ID: SB10-S15-MS 85

## Lab Sample ID: 890-3150-36

Date Collected: 10/05/22 13:05

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 36609        | 10/10/22 16:53       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 10         | 5 mL           | 5 mL         | 36928        | 10/15/22 16:33       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 36321        | 10/07/22 07:40       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36313        | 10/07/22 18:43       | SM      | EET MID |

## Client Sample ID: SB10-S17-MS 99

## Lab Sample ID: 890-3150-37

Date Collected: 10/05/22 13:10

Matrix: Solid

Date Received: 10/05/22 13:53

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 36609        | 10/10/22 16:53       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 10         | 5 mL           | 5 mL         | 36928        | 10/15/22 16:54       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 36969        | 10/14/22 12:24       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 36579        | 10/10/22 12:07       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 36321        | 10/07/22 07:40       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 36313        | 10/07/22 19:04       | SM      | EET MID |

## Laboratory References:

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

Eurofins Carlsbad

Accreditation/Certification Summary

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

Laboratory: Eurofins Midland

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

| Authority                                                                                                                                                                                             | Program     | Identification Number | Expiration Date |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------|-----------------|
| Texas                                                                                                                                                                                                 | NELAP       | T104704400-22-24      | 06-30-23        |
| The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification. |             |                       |                 |
| Analysis Method                                                                                                                                                                                       | Prep Method | Matrix                | Analyte         |
| 8015 NM                                                                                                                                                                                               |             | Solid                 | Total TPH       |
| 8015B NM                                                                                                                                                                                              | 8015NM Prep | Solid                 | Total TPH       |
| Total BTEX                                                                                                                                                                                            |             | Solid                 | Total BTEX      |



## Method Summary

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

| Method      | Method Description               | Protocol | Laboratory |
|-------------|----------------------------------|----------|------------|
| 8021B       | Volatile Organic Compounds (GC)  | SW846    | EET MID    |
| Total BTEX  | Total BTEX Calculation           | TAL SOP  | EET MID    |
| 8015 NM     | Diesel Range Organics (DRO) (GC) | SW846    | EET MID    |
| 8015B NM    | Diesel Range Organics (DRO) (GC) | SW846    | EET MID    |
| 5035        | Closed System Purge and Trap     | SW846    | EET MID    |
| 8015NM Prep | Microextraction                  | SW846    | EET MID    |

### Protocol References:

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

### Laboratory References:

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

Eurofins Carlsbad

## Sample Summary

Client: Contango Resources LLC  
Project/Site: Colgazer

Job ID: 890-3150-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-3150-1    | SB01-S6-MS 5.4   | Solid  | 10/05/22 08:45 | 10/05/22 13:53 | 10    |
| 890-3150-2    | SB01-S15-MS 21.5 | Solid  | 10/05/22 09:00 | 10/05/22 13:53 | 15    |
| 890-3150-3    | SB01-S17-MS 1.4  | Solid  | 10/05/22 09:10 | 10/05/22 13:53 | 17    |
| 890-3150-4    | SB02-S15-MS 43   | Solid  | 10/05/22 09:35 | 10/05/22 13:53 | 15    |
| 890-3150-5    | DUPE 01          | Solid  | 10/05/22 00:00 | 10/05/22 13:53 | 0     |
| 890-3150-6    | SB02-S10-MS0     | Solid  | 10/05/22 09:25 | 10/05/22 13:53 | 10    |
| 890-3150-7    | SB02-S17-MS 15.5 | Solid  | 10/05/22 09:45 | 10/05/22 13:53 | 17    |
| 890-3150-8    | SB03-S10-MS0     | Solid  | 10/05/22 10:00 | 10/05/22 13:53 | 10    |
| 890-3150-9    | SB03-S15-MS 74.7 | Solid  | 10/05/22 10:05 | 10/05/22 13:53 | 15    |
| 890-3150-10   | MSD DUPE 1       | Solid  | 10/05/22 00:00 | 10/05/22 13:53 | 0     |
| 890-3150-11   | SB03-S17-MS 3.4  | Solid  | 10/05/22 10:10 | 10/05/22 13:53 | 17    |
| 890-3150-12   | SB04-S5-MS 0     | Solid  | 10/05/22 10:20 | 10/05/22 13:53 | 5     |
| 890-3150-13   | SB04-S10-MS 10.7 | Solid  | 10/05/22 10:25 | 10/05/22 13:53 | 10    |
| 890-3150-14   | SB04-S17-MS 66   | Solid  | 10/05/22 10:35 | 10/05/22 13:53 | 17    |
| 890-3150-15   | SB05-S5-MS 53    | Solid  | 10/05/22 10:45 | 10/05/22 13:53 | 5     |
| 890-3150-16   | DUPE 02          | Solid  | 10/05/22 00:00 | 10/05/22 13:53 | 0     |
| 890-3150-17   | SB05-S10-MS 76   | Solid  | 10/05/22 10:50 | 10/05/22 13:53 | 10    |
| 890-3150-18   | MSD DUPE 2       | Solid  | 10/05/22 00:00 | 10/05/22 13:53 | 0     |
| 890-3150-19   | SB05-S17-MS 80.2 | Solid  | 10/05/22 11:00 | 10/05/22 13:53 | 17    |
| 890-3150-20   | SB06-S10-MS 0    | Solid  | 10/05/22 11:12 | 10/05/22 13:53 | 10    |
| 890-3150-21   | SB06-S15-MS 68   | Solid  | 10/05/22 11:15 | 10/05/22 13:53 | 15    |
| 890-3150-22   | SB06-S17-MS 19.4 | Solid  | 10/05/22 11:20 | 10/05/22 13:53 | 17    |
| 890-3150-23   | SB07-S10-MS 0    | Solid  | 10/05/22 11:30 | 10/05/22 13:53 | 10    |
| 890-3150-24   | SB07-S18-MS 69   | Solid  | 10/05/22 11:35 | 10/05/22 13:53 | 15    |
| 890-3150-25   | SB07-S17-MS 94   | Solid  | 10/05/22 11:45 | 10/05/22 13:53 | 17    |
| 890-3150-26   | SB08-S5-MS 0     | Solid  | 10/05/22 11:55 | 10/05/22 13:53 | 5     |
| 890-3150-27   | SB08-S10-MS 1.4  | Solid  | 10/05/22 11:57 | 10/05/22 13:53 | 10    |
| 890-3150-28   | DUPE 003         | Solid  | 10/05/22 00:00 | 10/05/22 13:53 | 0     |
| 890-3150-29   | SB08-S17-MS 48   | Solid  | 10/05/22 12:05 | 10/05/22 13:53 | 17    |
| 890-3150-30   | MSD DUPE 3       | Solid  | 10/05/22 00:00 | 10/05/22 13:53 | 0     |
| 890-3150-31   | SB09-S10F-MS 0   | Solid  | 10/05/22 12:20 | 10/05/22 13:53 | 10    |
| 890-3150-32   | SB09-S15-MS 74   | Solid  | 10/05/22 12:25 | 10/05/22 13:53 | 15    |
| 890-3150-33   | SB09-S17-MS 19   | Solid  | 10/05/22 12:30 | 10/05/22 13:53 | 17    |
| 890-3150-34   | MSD DUPE 4       | Solid  | 10/05/22 00:00 | 10/05/22 13:53 | 0     |
| 890-3150-35   | SB10-S10-MS 233  | Solid  | 10/05/22 13:00 | 10/05/22 13:53 | 10    |
| 890-3150-36   | SB10-S15-MS 85   | Solid  | 10/05/22 13:05 | 10/05/22 13:53 | 15    |
| 890-3150-37   | SB10-S17-MS 99   | Solid  | 10/05/22 13:10 | 10/05/22 13:53 | 17    |



Environment Testing  
Xenco

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

Chain of Custody

Work Order No: \_\_\_\_\_

www.xenco.com Page 1 of 4

|                  |                      |                         |                        |
|------------------|----------------------|-------------------------|------------------------|
| Project Manager: | Jr Curtis            | Bill to: (if different) |                        |
| Company Name:    | Contango             | Company Name:           |                        |
| Address:         | 11405 Livingston Hwy | Address:                |                        |
| City, State ZIP: | Artesia NM 8820      | City, State ZIP:        |                        |
| Phone:           | 575-420-8175         | Email:                  | Jr.Curtis@Contango.Com |

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

|                           |                                                                                 |                                                               |                                                                           |            |  |
|---------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------------------|------------|--|
| Project Name:             | Colgazer                                                                        | Turn Around                                                   | <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush | Pres. Code |  |
| Project Number:           |                                                                                 | Due Date:                                                     |                                                                           |            |  |
| Project Location:         | Artesia                                                                         | TAT starts the day received by the lab, if received by 4:30pm |                                                                           |            |  |
| Sampler's Name:           | Jr Curtis                                                                       | Wet Ice:                                                      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No       |            |  |
| P.O. #:                   |                                                                                 | Thermometer ID:                                               | TM0007                                                                    |            |  |
| SAMPLE RECEIPT            | Temp Blank: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Correction Factor:                                            | -0.2                                                                      |            |  |
| Samples Received In tact: | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A         | Temperature Reading:                                          | 1.2                                                                       |            |  |
| Cooler Custody Seals:     | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A         | Corrected Temperature:                                        | 1.0                                                                       |            |  |
| Sample Custody Seals:     | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A         |                                                               |                                                                           |            |  |
| Total Containers:         |                                                                                 |                                                               |                                                                           |            |  |



890-3150 Chain of Custody

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | Parameters | Preservative Codes                                                |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|------------|-------------------------------------------------------------------|
| SB01-SB-M5 5.4        | 5      | 10-5-22      | 9:45A        | 10ft  | Grab      | 1         | X          | None: NO DI Water: H <sub>2</sub> O                               |
| SB01-S15-M5 21.5      | 1      | 10-5-22      | 9:30A        | 15ft  | Grab      | 1         | X          | Cool: Cool MeOH: Me                                               |
| SB01-S17-M5 4.4       | 1      | 10-5-22      | 9:30A        | 17ft  | Grab      | 1         | X          | HCL: HC HNO <sub>3</sub> : HN                                     |
| SB02-S15-M5 4.3       | 1      | 10-5-22      | 9:55A        | 15ft  | Grab      | 1         | X          | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na          |
| Page 01               |        |              |              |       |           |           |            | H <sub>2</sub> PO <sub>4</sub> : HP                               |
| SB02-S10-M5 08        | 1      | 10-5-22      | 9:25A        | 10ft  | Grab      | 1         | X          | NaHSO <sub>4</sub> : NABIS                                        |
| SB02-S17-M5 15.5      | 1      | 10-5-22      | 9:45A        | 17ft  | Grab      | 1         | X          | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub> |
| SB03-S10-M5 08        | 1      | 10-5-22      | 10:00A       | 10ft  | Grab      | 1         | X          | Zn Acetate+NaOH: Zn                                               |
| SB03-S15-M5 74.7      | 1      | 10-5-22      | 10:05        | 15ft  | Grab      | 1         | X          | NaOH+Ascorbic Acid: SAPC                                          |
| M50 Buge 1            | 1      | 10-5-22      |              | 6m    | Grab      | 1         | X          |                                                                   |

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn  
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 747.0 / 7471

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

|                              |                          |              |                              |                          |           |
|------------------------------|--------------------------|--------------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time    | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| <i>[Signature]</i>           | <i>[Signature]</i>       | 10-5-22 1353 |                              |                          |           |
|                              |                          |              |                              |                          |           |
|                              |                          |              |                              |                          |           |
|                              |                          |              |                              |                          |           |





Environment Testing  
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Chain of Custody

Work Order No: \_\_\_\_\_

www.xenco.com Page 2 of 4

|                  |                  |                         |                        |
|------------------|------------------|-------------------------|------------------------|
| Project Manager: | Dr Curtis        | Bill to: (if different) |                        |
| Company Name:    | Conlange         | Company Name:           |                        |
| Address:         | 11405 Louisa Hwy | Address:                |                        |
| City/State ZIP:  | Artesia NM 88210 | City/State ZIP:         |                        |
| Phone:           | 575-420-9175     | Email:                  | SR.Curtis@Conlange.com |

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

|                         |            |                                                               |                                                                           |                    |        |
|-------------------------|------------|---------------------------------------------------------------|---------------------------------------------------------------------------|--------------------|--------|
| Project Name:           | Colgater   | Turn Around                                                   | <input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush | Pres. Code         |        |
| Project Number:         |            | Due Date:                                                     |                                                                           |                    |        |
| Project Location:       | Artesia    | TAT starts the day received by the lab, if received by 4:30pm |                                                                           |                    |        |
| Sampler's Name:         | Dr Curtis  |                                                               |                                                                           |                    |        |
| PO #:                   |            |                                                               |                                                                           |                    |        |
| SAMPLE RECEIPT          |            |                                                               |                                                                           |                    |        |
| Samples Received Inact: | Yes No     | Temp Blank:                                                   | Yes No                                                                    | Wet Ice:           | Yes No |
| Cooler Custody Seals:   | Yes No N/A | Thermometer:                                                  | Yes No                                                                    | Correction Factor: |        |
| Sample Custody Seals:   | Yes No N/A | Temperature Reading:                                          |                                                                           |                    |        |
| Total Containers:       |            | Corrected Temperature:                                        |                                                                           |                    |        |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont |   |   |  |  |  |  |  |  |  |  | Sample Comments |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| SB03-S17-M3 34        | S      | 10-5-22      | 10:10A       | 17 ft | Grab      | 1         | X | X |  |  |  |  |  |  |  |  |                 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn  
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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

|                              |                          |           |                              |                          |           |
|------------------------------|--------------------------|-----------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| <i>[Signature]</i>           | <i>[Signature]</i>       | 10-5-22   |                              |                          |           |
|                              |                          |           |                              |                          |           |
|                              |                          |           |                              |                          |           |
|                              |                          |           |                              |                          |           |



## Environment Testing

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

## Chain of Custody

Work Order No: \_\_\_\_\_

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|                  |                      |       |                         |                           |
|------------------|----------------------|-------|-------------------------|---------------------------|
| Project Manager: | Sr Curtis            |       | Bill to: (if different) |                           |
| Company Name:    | Contango             |       | Company Name:           |                           |
| Address:         | 11405 Livingston Hwy |       | Address:                |                           |
| City, State ZIP: | Artesia NM           | 88210 | City, State ZIP:        |                           |
| Phone:           | 575-420-8175         |       | Email:                  | Sr. Curtis @ Contango.com |

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

[illegible][illegible]

Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document is a relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xeno, its affiliates and subcontractors. A signed standard terms and conditions of service. Eurofins Xeno will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xeno. A minimum charge of \$55.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xeno, but not analyzed. These terms will be enforced unless previously negotiated with Eurofins Xeno.

| Total 200.7 / 6010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 200.8 / 6020:                                                                     | 8RCRA 13PPM Texas 11                                                    | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Circle Method(s) and Metal(s) to be analyzed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                   | TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U | Hg: 1631 / 245.1 / 7470 / 7471                                                                |
| <p>Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. Ammunition charge of \$95.00 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.</p> |                                                                                   |                                                                         |                                                                                               |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Received by: (Signature)                                                          | Date/Time                                                               | Relinquished by: (Signature)                                                                  |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | 10.5.22                                                                 | 2                                                                                             |
| 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                   |                                                                         | 4                                                                                             |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                   |                                                                         | 6                                                                                             |
| Relinquished by: (Signature)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Received by: (Signature)                                                          | Date/Time                                                               | Relinquished by: (Signature)                                                                  |



# Environment Testing

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

## Chain of Custody

Work Order No: \_\_\_\_\_

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|                  |                     |                         |                        |
|------------------|---------------------|-------------------------|------------------------|
| Project Manager: | JR Curtis           | Bill to: (if different) |                        |
| Company Name:    | Contango            | Company Name:           |                        |
| Address:         | 11405 Lovington Hwy | Address:                |                        |
| City, State ZIP: | Artesia NM 88210    | City, State ZIP:        |                        |
| Phone:           | 575-420-8175        | Email:                  | JR.Curtis@Contango.com |

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

|                          |             |                                                                |            |                  |  |  |  |  |  |  |  |  |  |  |  |                                                 |                                                                   |
|--------------------------|-------------|----------------------------------------------------------------|------------|------------------|--|--|--|--|--|--|--|--|--|--|--|-------------------------------------------------|-------------------------------------------------------------------|
| Project Name:            | Colgater    | Turn Around                                                    | Pres. Code | ANALYSIS REQUEST |  |  |  |  |  |  |  |  |  |  |  | Preservative Codes                              |                                                                   |
| Project Number:          |             | <input type="checkbox"/> Routine <input type="checkbox"/> Rush |            |                  |  |  |  |  |  |  |  |  |  |  |  | None: NO                                        |                                                                   |
| Project Location:        | Artesia     | Due Date:                                                      |            |                  |  |  |  |  |  |  |  |  |  |  |  | Cool: Cool                                      |                                                                   |
| Sampler's Name:          | JR Curtis   | TAT starts the day received by the lab, if received by 4:30pm  |            |                  |  |  |  |  |  |  |  |  |  |  |  | HCL: HC                                         |                                                                   |
| P.O. #:                  |             |                                                                |            |                  |  |  |  |  |  |  |  |  |  |  |  | H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> |                                                                   |
| SAMPLE RECEIPT           | Temp Blank: | Yes No                                                         | Wet Ice:   | Yes No           |  |  |  |  |  |  |  |  |  |  |  |                                                 | H <sub>2</sub> PO <sub>4</sub> : HP                               |
| Samples Received Intact: | Yes No      | Thermometer ID:                                                |            |                  |  |  |  |  |  |  |  |  |  |  |  |                                                 | NaHSO <sub>4</sub> : NABIS                                        |
| Cooler Custody Seals:    | Yes No N/A  | Correction Factor:                                             |            |                  |  |  |  |  |  |  |  |  |  |  |  |                                                 | Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub> : NaSO <sub>3</sub> |
| Sample Custody Seals:    | Yes No N/A  | Temperature Reading:                                           |            |                  |  |  |  |  |  |  |  |  |  |  |  |                                                 | Zn Acetate+NaOH: Zn                                               |
| Total Containers:        |             | Corrected Temperature:                                         |            |                  |  |  |  |  |  |  |  |  |  |  |  |                                                 | NaOH+Ascorbic Acid: SAPC                                          |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | Parameters |   |  |  |  |  |  |  |  |  |  |  | Sample Comments |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|------------|---|--|--|--|--|--|--|--|--|--|--|-----------------|--|--|--|--|--|--|--|--|--|--|--|
| SB09-S10f MS9         | S      | 10-5-22      | 12:24 PM     | 10 ft | Grab      | 1         | X          | X |  |  |  |  |  |  |  |  |  |  |                 |  |  |  |  |  |  |  |  |  |  |  |
| SB09-S15-MS 74        |        | 10-5-22      | 12:25 PM     | 15 ft | Grab      | 1         | X          | X |  |  |  |  |  |  |  |  |  |  |                 |  |  |  |  |  |  |  |  |  |  |  |
| SB09-S17-MS 19        |        | 10-5-22      | 12:26 PM     | 17 ft | Grab      | 1         | X          | X |  |  |  |  |  |  |  |  |  |  |                 |  |  |  |  |  |  |  |  |  |  |  |
| MSD 0px 4             |        | 10-5-22      |              |       | Grab      | 1         | X          | X |  |  |  |  |  |  |  |  |  |  |                 |  |  |  |  |  |  |  |  |  |  |  |
| SB10-S10-MS 233       |        | 10-5-22      | 1:00 PM      | 10 ft | Grab      | 1         | X          | X |  |  |  |  |  |  |  |  |  |  |                 |  |  |  |  |  |  |  |  |  |  |  |
| SB10-S15-MS 85        |        | 10-5-22      | 1:05 PM      | 15 ft | Grab      | 1         | X          | X |  |  |  |  |  |  |  |  |  |  |                 |  |  |  |  |  |  |  |  |  |  |  |
| SB10-S17-MS 99        |        | 10-5-22      | 1:10 PM      | 17 ft | Grab      | 1         | X          | X |  |  |  |  |  |  |  |  |  |  |                 |  |  |  |  |  |  |  |  |  |  |  |

Total 200.7 / 6010 2008 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn  
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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

|                              |                          |           |                              |                          |           |
|------------------------------|--------------------------|-----------|------------------------------|--------------------------|-----------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|                              |                          | 10-5-22   |                              |                          |           |
|                              |                          |           |                              |                          |           |
|                              |                          |           |                              |                          |           |
|                              |                          |           |                              |                          |           |



## Login Sample Receipt Checklist

Client: Contango Resources LLC

Job Number: 890-3150-1

Login Number: 3150

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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

## Login Sample Receipt Checklist

Client: Contango Resources LLC

Job Number: 890-3150-1

Login Number: 3150

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 10/07/22 10:56 AM

| Question                                                                         | Answer | Comment |
|----------------------------------------------------------------------------------|--------|---------|
| The cooler's custody seal, if present, is intact.                                | N/A    |         |
| Sample custody seals, if present, are intact.                                    | N/A    |         |
| 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    |         |



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Jr Curtis  
Contango Resources LLC  
11405 Lovington Hwy  
Artesia, New Mexico 88210  
Generated 1/11/2023 3:26:23 PM Revision 1

## JOB DESCRIPTION

Colglazier

## JOB NUMBER

880-22243-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701



# Eurofins Midland

## Job Notes

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

## Authorization



Authorized for release by  
John Builes, Project Manager  
[John.Builes@et.eurofinsus.com](mailto:John.Builes@et.eurofinsus.com)  
(561)558-4549

Generated  
1/11/2023 3:26:23 PM  
Revision 1

Client: Contango Resources LLC  
Project/Site: Colglazier

Laboratory Job ID: 880-22243-1

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## Definitions/Glossary

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

## Qualifiers

## HPLC/IC

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

## Glossary

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



Case Narrative

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Job ID: 880-22243-1

Laboratory: Eurofins Midland

Narrative

Job Narrative  
880-22243-1

REVISION

The report being provided is a revision of the original report sent on 12/13/2022. The report (revision 1) is being revised due to Revised reports to split PDF based on analysis per client request..

Report revision history

Receipt

The samples were received on 12/2/2022 10:16 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 0.6°C

HPLC/IC

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

## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Client Sample ID: SB2-5FT

Date Collected: 12/01/22 09:00

Date Received: 12/02/22 10:16

Lab Sample ID: 880-22243-1

Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 1150   |           | 24.9 |     | mg/Kg |   |          | 12/07/22 03:02 | 5       |

Client Sample ID: SB2-10FT

Date Collected: 12/01/22 09:10

Date Received: 12/02/22 10:16

Lab Sample ID: 880-22243-2

Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 1590   |           | 25.0 |     | mg/Kg |   |          | 12/07/22 03:22 | 5       |

Client Sample ID: SB2-15FT

Date Collected: 12/01/22 09:20

Date Received: 12/02/22 10:16

Lab Sample ID: 880-22243-3

Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 1410   |           | 25.0 |     | mg/Kg |   |          | 12/07/22 03:28 | 5       |

Client Sample ID: SB1-3FT

Date Collected: 12/01/22 09:30

Date Received: 12/02/22 10:16

Lab Sample ID: 880-22243-4

Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 1040   |           | 25.3 |     | mg/Kg |   |          | 12/07/22 03:35 | 5       |

Client Sample ID: SB1-8FT

Date Collected: 12/01/22 09:40

Date Received: 12/02/22 10:16

Lab Sample ID: 880-22243-5

Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 1100   |           | 25.0 |     | mg/Kg |   |          | 12/07/22 03:42 | 5       |

Client Sample ID: SB1-12FT

Date Collected: 12/01/22 09:50

Date Received: 12/02/22 10:16

Lab Sample ID: 880-22243-6

Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 1690   |           | 24.9 |     | mg/Kg |   |          | 12/07/22 08:39 | 5       |

Client Sample ID: SB3-5FT

Date Collected: 12/01/22 10:00

Date Received: 12/02/22 10:16

Lab Sample ID: 880-22243-7

Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 273    |           | 4.95 |     | mg/Kg |   |          | 12/07/22 08:46 | 1       |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Client Sample ID: SB3-10FT

Lab Sample ID: 880-22243-8

Date Collected: 12/01/22 10:10

Matrix: Solid

Date Received: 12/02/22 10:16

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 1400   |           | 25.0 |     | mg/Kg |   |          | 12/07/22 08:53 | 5       |

Client Sample ID: SB3-15FT

Lab Sample ID: 880-22243-9

Date Collected: 12/01/22 10:20

Matrix: Solid

Date Received: 12/02/22 10:16

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 1760   |           | 24.8 |     | mg/Kg |   |          | 12/07/22 08:59 | 5       |

Client Sample ID: SB3-17FT

Lab Sample ID: 880-22243-10

Date Collected: 12/01/22 10:30

Matrix: Solid

Date Received: 12/02/22 10:16

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 1520   |           | 49.5 |     | mg/Kg |   |          | 12/07/22 09:06 | 10      |

Client Sample ID: SB4-5FT

Lab Sample ID: 880-22243-11

Date Collected: 12/01/22 10:40

Matrix: Solid

Date Received: 12/02/22 10:16

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 614    |           | 5.00 |     | mg/Kg |   |          | 12/07/22 09:13 | 1       |

Client Sample ID: SB4-9FT

Lab Sample ID: 880-22243-12

Date Collected: 12/01/22 10:40

Matrix: Solid

Date Received: 12/02/22 10:16

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 1630   |           | 25.0 |     | mg/Kg |   |          | 12/07/22 09:33 | 5       |

Client Sample ID: SB4-DUP

Lab Sample ID: 880-22243-13

Date Collected: 12/01/22 00:00

Matrix: Solid

Date Received: 12/02/22 10:16

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 1270   |           | 25.2 |     | mg/Kg |   |          | 12/07/22 09:39 | 5       |

Client Sample ID: SB4-15FT

Lab Sample ID: 880-22243-14

Date Collected: 12/01/22 10:50

Matrix: Solid

Date Received: 12/02/22 10:16

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 2160   |           | 24.8 |     | mg/Kg |   |          | 12/07/22 09:59 | 5       |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Client Sample ID: SB5-3FT

Date Collected: 12/01/22 11:00

Date Received: 12/02/22 10:16

Lab Sample ID: 880-22243-15

Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 530    |           | 4.97 |     | mg/Kg |   |          | 12/07/22 10:06 | 1       |

Client Sample ID: SB5-10FT

Date Collected: 12/01/22 11:10

Date Received: 12/02/22 10:16

Lab Sample ID: 880-22243-16

Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 589    |           | 4.98 |     | mg/Kg |   |          | 12/07/22 10:13 | 1       |

Client Sample ID: SB5-15FT

Date Collected: 12/01/22 11:20

Date Received: 12/02/22 10:16

Lab Sample ID: 880-22243-17

Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 1220   |           | 25.0 |     | mg/Kg |   |          | 12/07/22 10:19 | 5       |

Client Sample ID: SB5-18FT

Date Collected: 12/01/22 11:30

Date Received: 12/02/22 10:16

Lab Sample ID: 880-22243-18

Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 770    |           | 25.0 |     | mg/Kg |   |          | 12/07/22 10:26 | 5       |

Client Sample ID: SB6-5FT

Date Collected: 12/01/22 11:40

Date Received: 12/02/22 10:16

Lab Sample ID: 880-22243-19

Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 428    |           | 4.96 |     | mg/Kg |   |          | 12/07/22 10:33 | 1       |

Client Sample ID: SB6-10FT

Date Collected: 12/01/22 11:50

Date Received: 12/02/22 10:16

Lab Sample ID: 880-22243-20

Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 456    |           | 25.3 |     | mg/Kg |   |          | 12/07/22 10:39 | 5       |

Client Sample ID: SB6-15FT

Date Collected: 12/01/22 12:00

Date Received: 12/02/22 10:16

Lab Sample ID: 880-22243-21

Matrix: Solid

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 1570   |           | 25.0 |     | mg/Kg |   |          | 12/06/22 23:23 | 5       |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

## Client Sample ID: SB7-10FT

Date Collected: 12/01/22 13:00

Date Received: 12/02/22 10:16

## Lab Sample ID: 880-22243-22

Matrix: Solid

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 926    |           | 24.9 |     | mg/Kg |   |          | 12/06/22 23:31 | 5       |

## Client Sample ID: SB7-5FT

Date Collected: 12/01/22 13:40

Date Received: 12/02/22 10:16

## Lab Sample ID: 880-22243-23

Matrix: Solid

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 2080   |           | 25.0 |     | mg/Kg |   |          | 12/06/22 23:55 | 5       |

## Client Sample ID: SB7-15FT

Date Collected: 12/01/22 14:00

Date Received: 12/02/22 10:16

## Lab Sample ID: 880-22243-24

Matrix: Solid

## Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte  | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 931    |           | 49.5 |     | mg/Kg |   |          | 12/07/22 00:03 | 10      |

## Client Sample ID: Well #1

Date Collected: 12/01/22 09:00

Date Received: 12/02/22 10:16

## Lab Sample ID: 880-22243-25

Matrix: Water

## Method: MCAWW 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Chloride | 8080   |           | 50.0 |     | mg/L |   |          | 12/06/22 23:24 | 100     |

## Client Sample ID: Well #1 DUP

Date Collected: 12/01/22 09:00

Date Received: 12/02/22 10:16

## Lab Sample ID: 880-22243-26

Matrix: Water

## Method: MCAWW 300.0 - Anions, Ion Chromatography

| Analyte  | Result | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Chloride | 7410   |           | 50.0 |     | mg/L |   |          | 12/06/22 23:32 | 100     |

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## Surrogate Summary

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

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

Matrix: Solid

Prep Type: Total/NA

|                    |                        | Percent Surrogate Recovery (Acceptance Limits) |          |
|--------------------|------------------------|------------------------------------------------|----------|
| Lab Sample ID      | Client Sample ID       | BFB1                                           | DFBZ1    |
|                    |                        | (70-130)                                       | (70-130) |
| 880-22243-1        | SB2-5FT                | 94                                             | 102      |
| 880-22243-1 MS     | SB2-5FT                | 112                                            | 86       |
| 880-22243-1 MSD    | SB2-5FT                | 121                                            | 99       |
| 880-22243-2        | SB2-10FT               | 108                                            | 101      |
| 880-22243-3        | SB2-15FT               | 102                                            | 81       |
| 880-22243-4        | SB1-3FT                | 107                                            | 104      |
| 880-22243-5        | SB1-8FT                | 106                                            | 101      |
| 880-22243-6        | SB1-12FT               | 102                                            | 105      |
| 880-22243-7        | SB3-5FT                | 104                                            | 84       |
| 880-22243-8        | SB3-10FT               | 104                                            | 108      |
| 880-22243-9        | SB3-15FT               | 131 S1+                                        | 128      |
| 880-22243-10 - DL3 | SB3-17FT               | 132 S1+                                        | 89       |
| 880-22243-11       | SB4-5FT                | 120                                            | 100      |
| 880-22243-12       | SB4-9FT                | 126                                            | 103      |
| 880-22243-13       | SB4-DUP                | 118                                            | 111      |
| 880-22243-14       | SB4-15FT               | 110                                            | 106      |
| 880-22243-15       | SB5-3FT                | 114                                            | 100      |
| 880-22243-16       | SB5-10FT               | 106                                            | 108      |
| 880-22243-17       | SB5-15FT               | 102                                            | 112      |
| 880-22243-18       | SB5-18FT               | 116                                            | 123      |
| 880-22243-19       | SB6-5FT                | 110                                            | 104      |
| 880-22243-20       | SB6-10FT               | 114                                            | 103      |
| 880-22243-21       | SB6-15FT               | 140 S1+                                        | 132 S1+  |
| 880-22243-22       | SB7-10FT               | 89                                             | 115      |
| 880-22243-23       | SB7-5FT                | 101                                            | 103      |
| 880-22243-24       | SB7-15FT               | 115                                            | 93       |
| LCS 880-40641/1-A  | Lab Control Sample     | 97                                             | 111      |
| LCS 880-41030/1-A  | Lab Control Sample     | 123                                            | 108      |
| LCS 880-41031/1-A  | Lab Control Sample     | 116                                            | 111      |
| LCS 880-41160/1-A  | Lab Control Sample     | 76                                             | 107      |
| LCSD 880-40641/2-A | Lab Control Sample Dup | 96                                             | 116      |
| LCSD 880-41030/2-A | Lab Control Sample Dup | 106                                            | 105      |
| LCSD 880-41031/2-A | Lab Control Sample Dup | 125                                            | 97       |
| LCSD 880-41160/2-A | Lab Control Sample Dup | 80                                             | 99       |
| MB 880-40641/5-A   | Method Blank           | 82                                             | 100      |
| MB 880-41030/5-A   | Method Blank           | 88                                             | 98       |
| MB 880-41031/5-A   | Method Blank           | 87                                             | 97       |
| MB 880-41160/5-A   | Method Blank           | 67 S1-                                         | 103      |

## Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Water

Prep Type: Total/NA

|               |                  | Percent Surrogate Recovery (Acceptance Limits) |          |
|---------------|------------------|------------------------------------------------|----------|
| Lab Sample ID | Client Sample ID | BFB1                                           | DFBZ1    |
|               |                  | (70-130)                                       | (70-130) |
| 880-22243-25  | Well #1          | 80                                             | 108      |

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# Surrogate Summary

Client: Contango Resources LLC

Job ID: 880-22243-1

Project/Site: Colglazier

**Method: 8021B - Volatile Organic Compounds (GC) (Continued)**
**Matrix: Water**
**Prep Type: Total/NA**

|                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-22243-26      | Well #1 DUP            | 79                                             | 109               |
| LCS 880-41281/32  | Lab Control Sample     | 84                                             | 106               |
| LCSD 880-41281/33 | Lab Control Sample Dup | 90                                             | 106               |
| MB 880-41242/5-A  | Method Blank           | 66 S1-                                         | 108               |
| MB 880-41281/37   | Method Blank           | 68 S1-                                         | 102               |

**Surrogate Legend**

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

**Method: 8015B NM - Diesel Range Organics (DRO) (GC)**
**Matrix: Solid**
**Prep Type: Total/NA**

|                    |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|--------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID      | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-22243-1        | SB2-5FT                | 119                                            | 124               |
| 880-22243-1 MS     | SB2-5FT                | 98                                             | 90                |
| 880-22243-1 MSD    | SB2-5FT                | 99                                             | 91                |
| 880-22243-2        | SB2-10FT               | 105                                            | 112               |
| 880-22243-3        | SB2-15FT               | 110                                            | 117               |
| 880-22243-4        | SB1-3FT                | 110                                            | 116               |
| 880-22243-5        | SB1-8FT                | 85                                             | 92                |
| 880-22243-6        | SB1-12FT               | 107                                            | 109               |
| 880-22243-7        | SB3-5FT                | 118                                            | 126               |
| 880-22243-8        | SB3-10FT               | 89                                             | 89                |
| 880-22243-9        | SB3-15FT               | 83                                             | 89                |
| 880-22243-10       | SB3-17FT               | 110                                            | 108               |
| 880-22243-11       | SB4-5FT                | 119                                            | 124               |
| 880-22243-12       | SB4-9FT                | 108                                            | 106               |
| 880-22243-13       | SB4-DUP                | 120                                            | 124               |
| 880-22243-14       | SB4-15FT               | 124                                            | 123               |
| 880-22243-15       | SB5-3FT                | 100                                            | 105               |
| 880-22243-16       | SB5-10FT               | 104                                            | 106               |
| 880-22243-17       | SB5-15FT               | 102                                            | 110               |
| 880-22243-18       | SB5-18FT               | 112                                            | 123               |
| 880-22243-19       | SB6-5FT                | 105                                            | 114               |
| 880-22243-20       | SB6-10FT               | 98                                             | 103               |
| 880-22243-21       | SB6-15FT               | 49 S1-                                         | 106               |
| 880-22243-22       | SB7-10FT               | 133 S1+                                        | 129               |
| 880-22243-22 MS    | SB7-10FT               | 117                                            | 97                |
| 880-22243-22 MSD   | SB7-10FT               | 118                                            | 98                |
| 880-22243-23       | SB7-5FT                | 117                                            | 118               |
| 880-22243-24       | SB7-15FT               | 112                                            | 110               |
| LCS 880-41140/2-A  | Lab Control Sample     | 106                                            | 105               |
| LCS 880-41142/2-A  | Lab Control Sample     | 128                                            | 114               |
| LCS 880-41296/2-A  | Lab Control Sample     | 98                                             | 99                |
| LCSD 880-41140/3-A | Lab Control Sample Dup | 96                                             | 95                |
| LCSD 880-41142/3-A | Lab Control Sample Dup | 109                                            | 113               |
| LCSD 880-41296/3-A | Lab Control Sample Dup | 91                                             | 92                |
| MB 880-41140/1-A   | Method Blank           | 101                                            | 109               |

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## Surrogate Summary

Client: Contango Resources LLC

Job ID: 880-22243-1

Project/Site: Colglazier

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

Matrix: Solid

Prep Type: Total/NA

|                         |                  | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-------------------------|------------------|------------------------------------------------|-------------------|
| Lab Sample ID           | Client Sample ID | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| MB 880-41142/1-A        | Method Blank     | 109                                            | 110               |
| MB 880-41296/1-A        | Method Blank     | 105                                            | 143 S1+           |
| <b>Surrogate Legend</b> |                  |                                                |                   |
| 1CO = 1-Chlorooctane    |                  |                                                |                   |
| OTPH = o-Terphenyl      |                  |                                                |                   |

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

Matrix: Water

Prep Type: Total/NA

|                         |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID           | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-22243-25            | Well #1                | 126                                            | 127               |
| 880-22243-26            | Well #1 DUP            | 128                                            | 130               |
| LCS 880-41302/2-A       | Lab Control Sample     | 166 S1+                                        | 190 S1+           |
| LCSD 880-41302/3-A      | Lab Control Sample Dup | 177 S1+                                        | 203 S1+           |
| MB 880-41302/1-A        | Method Blank           | 122                                            | 145 S1+           |
| <b>Surrogate Legend</b> |                        |                                                |                   |
| 1CO = 1-Chlorooctane    |                        |                                                |                   |
| OTPH = o-Terphenyl      |                        |                                                |                   |

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## QC Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-41155/3

Matrix: Water

Analysis Batch: 41155

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte  | MB<br>Result | MB<br>Qualifier | RL    | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|-------|-----|------|---|----------|----------------|---------|
| Chloride | <0.500       | U               | 0.500 |     | mg/L |   |          | 12/06/22 21:42 | 1       |

Lab Sample ID: LCS 880-41155/4

Matrix: Water

Analysis Batch: 41155

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|------|---|------|----------------|
| Chloride | 25.0           | 25.75         |                  | mg/L |   | 103  | 90 - 110       |

Lab Sample ID: LCSD 880-41155/5

Matrix: Water

Analysis Batch: 41155

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|------|---|------|----------------|-----|--------------|
| Chloride | 25.0           | 25.85          |                   | mg/L |   | 103  | 90 - 110       | 0   | 20           |

Lab Sample ID: MB 880-41115/1-A

Matrix: Solid

Analysis Batch: 41165

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <5.00        | U               | 5.00 |     | mg/Kg |   |          | 12/06/22 20:40 | 1       |

Lab Sample ID: LCS 880-41115/2-A

Matrix: Solid

Analysis Batch: 41165

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 239.8         |                  | mg/Kg |   | 96   | 90 - 110       |

Lab Sample ID: LCSD 880-41115/3-A

Matrix: Solid

Analysis Batch: 41165

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 250            | 240.1          |                   | mg/Kg |   | 96   | 90 - 110       | 0   | 20           |

Lab Sample ID: MB 880-41130/1-A

Matrix: Solid

Analysis Batch: 41200

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte  | MB<br>Result | MB<br>Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <5.00        | U               | 5.00 |     | mg/Kg |   |          | 12/07/22 02:42 | 1       |

Lab Sample ID: LCS 880-41130/2-A

Matrix: Solid

Analysis Batch: 41200

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|-------|---|------|----------------|
| Chloride | 250            | 259.3         |                  | mg/Kg |   | 104  | 90 - 110       |

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## QC Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-41130/3-A

Matrix: Solid

Analysis Batch: 41200

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte  |  |  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|--|--|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Chloride |  |  | 250            | 259.5          |                   | mg/Kg |   | 104  | 90 - 110       | 0   | 20           |

Lab Sample ID: 880-22243-1 MS

Matrix: Solid

Analysis Batch: 41200

Client Sample ID: SB2-5FT

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |  |  |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|--|--|
| Chloride | 1150             |                     | 1250           | 2471         |                 | mg/Kg |   | 106  | 90 - 110       |  |  |

Lab Sample ID: 880-22243-1 MSD

Matrix: Solid

Analysis Batch: 41200

Client Sample ID: SB2-5FT

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 1150             |                     | 1250           | 2477          |                  | mg/Kg |   | 107  | 90 - 110       | 0   | 20           |

Lab Sample ID: 880-22243-11 MS

Matrix: Solid

Analysis Batch: 41200

Client Sample ID: SB4-5FT

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits |  |  |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|----------------|--|--|
| Chloride | 614              |                     | 250            | 862.4        |                 | mg/Kg |   | 99   | 90 - 110       |  |  |

Lab Sample ID: 880-22243-11 MSD

Matrix: Solid

Analysis Batch: 41200

Client Sample ID: SB4-5FT

Prep Type: Soluble

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|----------------|-----|--------------|
| Chloride | 614              |                     | 250            | 865.3         |                  | mg/Kg |   | 100  | 90 - 110       | 0   | 20           |

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## QC Association Summary

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

## HPLC/IC

## Leach Batch: 41115

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-22243-21       | SB6-15FT               | Soluble   | Solid  | DI Leach |            |
| 880-22243-22       | SB7-10FT               | Soluble   | Solid  | DI Leach |            |
| 880-22243-23       | SB7-5FT                | Soluble   | Solid  | DI Leach |            |
| 880-22243-24       | SB7-15FT               | Soluble   | Solid  | DI Leach |            |
| MB 880-41115/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-41115/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-41115/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |

## Leach Batch: 41130

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-22243-1        | SB2-5FT                | Soluble   | Solid  | DI Leach |            |
| 880-22243-2        | SB2-10FT               | Soluble   | Solid  | DI Leach |            |
| 880-22243-3        | SB2-15FT               | Soluble   | Solid  | DI Leach |            |
| 880-22243-4        | SB1-3FT                | Soluble   | Solid  | DI Leach |            |
| 880-22243-5        | SB1-8FT                | Soluble   | Solid  | DI Leach |            |
| 880-22243-6        | SB1-12FT               | Soluble   | Solid  | DI Leach |            |
| 880-22243-7        | SB3-5FT                | Soluble   | Solid  | DI Leach |            |
| 880-22243-8        | SB3-10FT               | Soluble   | Solid  | DI Leach |            |
| 880-22243-9        | SB3-15FT               | Soluble   | Solid  | DI Leach |            |
| 880-22243-10       | SB3-17FT               | Soluble   | Solid  | DI Leach |            |
| 880-22243-11       | SB4-5FT                | Soluble   | Solid  | DI Leach |            |
| 880-22243-12       | SB4-9FT                | Soluble   | Solid  | DI Leach |            |
| 880-22243-13       | SB4-DUP                | Soluble   | Solid  | DI Leach |            |
| 880-22243-14       | SB4-15FT               | Soluble   | Solid  | DI Leach |            |
| 880-22243-15       | SB5-3FT                | Soluble   | Solid  | DI Leach |            |
| 880-22243-16       | SB5-10FT               | Soluble   | Solid  | DI Leach |            |
| 880-22243-17       | SB5-15FT               | Soluble   | Solid  | DI Leach |            |
| 880-22243-18       | SB5-18FT               | Soluble   | Solid  | DI Leach |            |
| 880-22243-19       | SB6-5FT                | Soluble   | Solid  | DI Leach |            |
| 880-22243-20       | SB6-10FT               | Soluble   | Solid  | DI Leach |            |
| MB 880-41130/1-A   | Method Blank           | Soluble   | Solid  | DI Leach |            |
| LCS 880-41130/2-A  | Lab Control Sample     | Soluble   | Solid  | DI Leach |            |
| LCSD 880-41130/3-A | Lab Control Sample Dup | Soluble   | Solid  | DI Leach |            |
| 880-22243-1 MS     | SB2-5FT                | Soluble   | Solid  | DI Leach |            |
| 880-22243-1 MSD    | SB2-5FT                | Soluble   | Solid  | DI Leach |            |
| 880-22243-11 MS    | SB4-5FT                | Soluble   | Solid  | DI Leach |            |
| 880-22243-11 MSD   | SB4-5FT                | Soluble   | Solid  | DI Leach |            |

## Analysis Batch: 41155

| Lab Sample ID    | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------------|-----------|--------|--------|------------|
| 880-22243-25     | Well #1                | Total/NA  | Water  | 300.0  |            |
| 880-22243-26     | Well #1 DUP            | Total/NA  | Water  | 300.0  |            |
| MB 880-41155/3   | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 880-41155/4  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 880-41155/5 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |

## Analysis Batch: 41165

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 880-22243-21  | SB6-15FT         | Soluble   | Solid  | 300.0  | 41115      |
| 880-22243-22  | SB7-10FT         | Soluble   | Solid  | 300.0  | 41115      |
| 880-22243-23  | SB7-5FT          | Soluble   | Solid  | 300.0  | 41115      |

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## QC Association Summary

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

## HPLC/IC (Continued)

## Analysis Batch: 41165 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-22243-24       | SB7-15FT               | Soluble   | Solid  | 300.0  | 41115      |
| MB 880-41115/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 41115      |
| LCS 880-41115/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 41115      |
| LCSD 880-41115/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 41115      |

## Analysis Batch: 41200

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-22243-1        | SB2-5FT                | Soluble   | Solid  | 300.0  | 41130      |
| 880-22243-2        | SB2-10FT               | Soluble   | Solid  | 300.0  | 41130      |
| 880-22243-3        | SB2-15FT               | Soluble   | Solid  | 300.0  | 41130      |
| 880-22243-4        | SB1-3FT                | Soluble   | Solid  | 300.0  | 41130      |
| 880-22243-5        | SB1-8FT                | Soluble   | Solid  | 300.0  | 41130      |
| 880-22243-6        | SB1-12FT               | Soluble   | Solid  | 300.0  | 41130      |
| 880-22243-7        | SB3-5FT                | Soluble   | Solid  | 300.0  | 41130      |
| 880-22243-8        | SB3-10FT               | Soluble   | Solid  | 300.0  | 41130      |
| 880-22243-9        | SB3-15FT               | Soluble   | Solid  | 300.0  | 41130      |
| 880-22243-10       | SB3-17FT               | Soluble   | Solid  | 300.0  | 41130      |
| 880-22243-11       | SB4-5FT                | Soluble   | Solid  | 300.0  | 41130      |
| 880-22243-12       | SB4-9FT                | Soluble   | Solid  | 300.0  | 41130      |
| 880-22243-13       | SB4-DUP                | Soluble   | Solid  | 300.0  | 41130      |
| 880-22243-14       | SB4-15FT               | Soluble   | Solid  | 300.0  | 41130      |
| 880-22243-15       | SB5-3FT                | Soluble   | Solid  | 300.0  | 41130      |
| 880-22243-16       | SB5-10FT               | Soluble   | Solid  | 300.0  | 41130      |
| 880-22243-17       | SB5-15FT               | Soluble   | Solid  | 300.0  | 41130      |
| 880-22243-18       | SB5-18FT               | Soluble   | Solid  | 300.0  | 41130      |
| 880-22243-19       | SB6-5FT                | Soluble   | Solid  | 300.0  | 41130      |
| 880-22243-20       | SB6-10FT               | Soluble   | Solid  | 300.0  | 41130      |
| MB 880-41130/1-A   | Method Blank           | Soluble   | Solid  | 300.0  | 41130      |
| LCS 880-41130/2-A  | Lab Control Sample     | Soluble   | Solid  | 300.0  | 41130      |
| LCSD 880-41130/3-A | Lab Control Sample Dup | Soluble   | Solid  | 300.0  | 41130      |
| 880-22243-1 MS     | SB2-5FT                | Soluble   | Solid  | 300.0  | 41130      |
| 880-22243-1 MSD    | SB2-5FT                | Soluble   | Solid  | 300.0  | 41130      |
| 880-22243-11 MS    | SB4-5FT                | Soluble   | Solid  | 300.0  | 41130      |
| 880-22243-11 MSD   | SB4-5FT                | Soluble   | Solid  | 300.0  | 41130      |

Eurofins Midland



## Lab Chronicle

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Client Sample ID: SB2-5FT

Lab Sample ID: 880-22243-1

Date Collected: 12/01/22 09:00

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 41130        | 12/06/22 10:03       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 41200        | 12/07/22 03:02       | CH      | EET MID |

Client Sample ID: SB2-10FT

Lab Sample ID: 880-22243-2

Date Collected: 12/01/22 09:10

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 41130        | 12/06/22 10:03       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 41200        | 12/07/22 03:22       | CH      | EET MID |

Client Sample ID: SB2-15FT

Lab Sample ID: 880-22243-3

Date Collected: 12/01/22 09:20

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 41130        | 12/06/22 10:03       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 41200        | 12/07/22 03:28       | CH      | EET MID |

Client Sample ID: SB1-3FT

Lab Sample ID: 880-22243-4

Date Collected: 12/01/22 09:30

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 41130        | 12/06/22 10:03       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 41200        | 12/07/22 03:35       | CH      | EET MID |

Client Sample ID: SB1-8FT

Lab Sample ID: 880-22243-5

Date Collected: 12/01/22 09:40

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 41130        | 12/06/22 10:03       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 41200        | 12/07/22 03:42       | CH      | EET MID |

Client Sample ID: SB1-12FT

Lab Sample ID: 880-22243-6

Date Collected: 12/01/22 09:50

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 41130        | 12/06/22 10:03       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 41200        | 12/07/22 08:39       | CH      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Client Sample ID: SB3-5FT

Lab Sample ID: 880-22243-7

Date Collected: 12/01/22 10:00

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 41130        | 12/06/22 10:03       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 41200        | 12/07/22 08:46       | CH      | EET MID |

Client Sample ID: SB3-10FT

Lab Sample ID: 880-22243-8

Date Collected: 12/01/22 10:10

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 41130        | 12/06/22 10:03       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 41200        | 12/07/22 08:53       | CH      | EET MID |

Client Sample ID: SB3-15FT

Lab Sample ID: 880-22243-9

Date Collected: 12/01/22 10:20

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 41130        | 12/06/22 10:03       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 41200        | 12/07/22 08:59       | CH      | EET MID |

Client Sample ID: SB3-17FT

Lab Sample ID: 880-22243-10

Date Collected: 12/01/22 10:30

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 41130        | 12/06/22 10:03       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 10         |                |              | 41200        | 12/07/22 09:06       | CH      | EET MID |

Client Sample ID: SB4-5FT

Lab Sample ID: 880-22243-11

Date Collected: 12/01/22 10:40

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 41130        | 12/06/22 10:03       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 41200        | 12/07/22 09:13       | CH      | EET MID |

Client Sample ID: SB4-9FT

Lab Sample ID: 880-22243-12

Date Collected: 12/01/22 10:40

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 41130        | 12/06/22 10:03       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 41200        | 12/07/22 09:33       | CH      | EET MID |

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## Lab Chronicle

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Client Sample ID: SB4-DUP

Lab Sample ID: 880-22243-13

Date Collected: 12/01/22 00:00

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.96 g         | 50 mL        | 41130        | 12/06/22 10:03       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 41200        | 12/07/22 09:39       | CH      | EET MID |

Client Sample ID: SB4-15FT

Lab Sample ID: 880-22243-14

Date Collected: 12/01/22 10:50

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 41130        | 12/06/22 10:03       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 41200        | 12/07/22 09:59       | CH      | EET MID |

Client Sample ID: SB5-3FT

Lab Sample ID: 880-22243-15

Date Collected: 12/01/22 11:00

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.03 g         | 50 mL        | 41130        | 12/06/22 10:03       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 41200        | 12/07/22 10:06       | CH      | EET MID |

Client Sample ID: SB5-10FT

Lab Sample ID: 880-22243-16

Date Collected: 12/01/22 11:10

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 41130        | 12/06/22 10:03       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 41200        | 12/07/22 10:13       | CH      | EET MID |

Client Sample ID: SB5-15FT

Lab Sample ID: 880-22243-17

Date Collected: 12/01/22 11:20

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 41130        | 12/06/22 10:03       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 41200        | 12/07/22 10:19       | CH      | EET MID |

Client Sample ID: SB5-18FT

Lab Sample ID: 880-22243-18

Date Collected: 12/01/22 11:30

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 41130        | 12/06/22 10:03       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 41200        | 12/07/22 10:26       | CH      | EET MID |

Eurofins Midland



## Lab Chronicle

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Client Sample ID: SB6-5FT

Lab Sample ID: 880-22243-19

Date Collected: 12/01/22 11:40

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.04 g         | 50 mL        | 41130        | 12/06/22 10:03       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 1          |                |              | 41200        | 12/07/22 10:33       | CH      | EET MID |

Client Sample ID: SB6-10FT

Lab Sample ID: 880-22243-20

Date Collected: 12/01/22 11:50

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 4.95 g         | 50 mL        | 41130        | 12/06/22 10:03       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 41200        | 12/07/22 10:39       | CH      | EET MID |

Client Sample ID: SB6-15FT

Lab Sample ID: 880-22243-21

Date Collected: 12/01/22 12:00

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.01 g         | 50 mL        | 41115        | 12/06/22 14:00       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 41165        | 12/06/22 23:23       | CH      | EET MID |

Client Sample ID: SB7-10FT

Lab Sample ID: 880-22243-22

Date Collected: 12/01/22 13:00

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.02 g         | 50 mL        | 41115        | 12/06/22 14:00       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 41165        | 12/06/22 23:31       | CH      | EET MID |

Client Sample ID: SB7-5FT

Lab Sample ID: 880-22243-23

Date Collected: 12/01/22 13:40

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5 g            | 50 mL        | 41115        | 12/06/22 14:00       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 5          |                |              | 41165        | 12/06/22 23:55       | CH      | EET MID |

Client Sample ID: SB7-15FT

Lab Sample ID: 880-22243-24

Date Collected: 12/01/22 14:00

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Soluble   | Leach      | DI Leach     |     |            | 5.05 g         | 50 mL        | 41115        | 12/06/22 14:00       | KS      | EET MID |
| Soluble   | Analysis   | 300.0        |     | 10         |                |              | 41165        | 12/07/22 00:03       | CH      | EET MID |

Eurofins Midland

Lab Chronicle

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Client Sample ID: Well #1  
Date Collected: 12/01/22 09:00  
Date Received: 12/02/22 10:16

Lab Sample ID: 880-22243-25  
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 300.0        |     | 100        |                |              | 41155        | 12/06/22 23:24       | CH      | EET MID |

Client Sample ID: Well #1 DUP  
Date Collected: 12/01/22 09:00  
Date Received: 12/02/22 10:16

Lab Sample ID: 880-22243-26  
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 300.0        |     | 100        |                |              | 41155        | 12/06/22 23:32       | CH      | EET MID |

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

Accreditation/Certification Summary

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Laboratory: Eurofins Midland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| N/A       | N/A     | None on record.       |                 |

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- 14



Method Summary

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

| Method   | Method Description                 | Protocol | Laboratory |
|----------|------------------------------------|----------|------------|
| 300.0    | Anions, Ion Chromatography         | MCAWW    | EET MID    |
| DI Leach | Deionized Water Leaching Procedure | ASTM     | EET 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.

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

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| 1  |
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## Sample Summary

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-22243-1   | SB2-5FT          | Solid  | 12/01/22 09:00 | 12/02/22 10:16 |
| 880-22243-2   | SB2-10FT         | Solid  | 12/01/22 09:10 | 12/02/22 10:16 |
| 880-22243-3   | SB2-15FT         | Solid  | 12/01/22 09:20 | 12/02/22 10:16 |
| 880-22243-4   | SB1-3FT          | Solid  | 12/01/22 09:30 | 12/02/22 10:16 |
| 880-22243-5   | SB1-8FT          | Solid  | 12/01/22 09:40 | 12/02/22 10:16 |
| 880-22243-6   | SB1-12FT         | Solid  | 12/01/22 09:50 | 12/02/22 10:16 |
| 880-22243-7   | SB3-5FT          | Solid  | 12/01/22 10:00 | 12/02/22 10:16 |
| 880-22243-8   | SB3-10FT         | Solid  | 12/01/22 10:10 | 12/02/22 10:16 |
| 880-22243-9   | SB3-15FT         | Solid  | 12/01/22 10:20 | 12/02/22 10:16 |
| 880-22243-10  | SB3-17FT         | Solid  | 12/01/22 10:30 | 12/02/22 10:16 |
| 880-22243-11  | SB4-5FT          | Solid  | 12/01/22 10:40 | 12/02/22 10:16 |
| 880-22243-12  | SB4-9FT          | Solid  | 12/01/22 10:40 | 12/02/22 10:16 |
| 880-22243-13  | SB4-DUP          | Solid  | 12/01/22 00:00 | 12/02/22 10:16 |
| 880-22243-14  | SB4-15FT         | Solid  | 12/01/22 10:50 | 12/02/22 10:16 |
| 880-22243-15  | SB5-3FT          | Solid  | 12/01/22 11:00 | 12/02/22 10:16 |
| 880-22243-16  | SB5-10FT         | Solid  | 12/01/22 11:10 | 12/02/22 10:16 |
| 880-22243-17  | SB5-15FT         | Solid  | 12/01/22 11:20 | 12/02/22 10:16 |
| 880-22243-18  | SB5-18FT         | Solid  | 12/01/22 11:30 | 12/02/22 10:16 |
| 880-22243-19  | SB6-5FT          | Solid  | 12/01/22 11:40 | 12/02/22 10:16 |
| 880-22243-20  | SB6-10FT         | Solid  | 12/01/22 11:50 | 12/02/22 10:16 |
| 880-22243-21  | SB6-15FT         | Solid  | 12/01/22 12:00 | 12/02/22 10:16 |
| 880-22243-22  | SB7-10FT         | Solid  | 12/01/22 13:00 | 12/02/22 10:16 |
| 880-22243-23  | SB7-5FT          | Solid  | 12/01/22 13:40 | 12/02/22 10:16 |
| 880-22243-24  | SB7-15FT         | Solid  | 12/01/22 14:00 | 12/02/22 10:16 |
| 880-22243-25  | Well #1          | Water  | 12/01/22 09:00 | 12/02/22 10:16 |
| 880-22243-26  | Well #1 DUP      | Water  | 12/01/22 09:00 | 12/02/22 10:16 |



Environment Testing  
Xenco

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

Chain of Custody

Work Order No: 22243

www.xenco.com Page 1 of 3

|                 |                      |                         |                        |
|-----------------|----------------------|-------------------------|------------------------|
| Project Manager | SR Curtis            | Bill to: (if different) |                        |
| Company Name    | Contango             | Company Name            |                        |
| Address         | 11405 Livingston Hwy | Address                 |                        |
| City/State/Zip  | Atlanta NM 8820      | City/State/Zip          |                        |
| Phone           | 575-420-8175         | Email                   | SR.Curtis@Contango.com |

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

|                   |               |                                                               |                                                                           |                        |          |
|-------------------|---------------|---------------------------------------------------------------|---------------------------------------------------------------------------|------------------------|----------|
| Project Name      | Colgate River | Turn Around                                                   | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush | Pres. Code             |          |
| Project Number    |               | Due Date                                                      | 3 day                                                                     |                        |          |
| Project Location  |               | TAT starts the day received by the lab, if received by 4:30pm |                                                                           |                        |          |
| Sampler's Name    |               | Temp Blank:                                                   | Yes No                                                                    | Wet Ice:               | Yes No   |
| P.O. #            |               | Samples Received Intact:                                      | Yes No                                                                    | Thermometer ID:        | T-NM-007 |
| SAMPLE RECEIPT    |               | Cooler Custody Seals:                                         | Yes No N/A                                                                | Correction Factor      |          |
|                   |               | Sample Custody Seals:                                         | Yes No N/A                                                                | Temperature Reading    | .6       |
| Total Containers: |               |                                                               |                                                                           | Corrected Temperature: |          |

| ANALYSIS REQUEST |  |  |  |  |  |
|------------------|--|--|--|--|--|
| Parameters       |  |  |  |  |  |
| TPH              |  |  |  |  |  |
| BTEX             |  |  |  |  |  |
| Chloride         |  |  |  |  |  |



880-22243 Chain of Custody

NaHSO<sub>4</sub> NABIS  
Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> NaSO<sub>3</sub>  
Zn Acetate+NaOH Zn  
NaOH+Ascorbic Acid SARC

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | Sample Comments |   |   |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|-----------------|---|---|--|--|--|--|--|--|--|--|--|--|--|
| S02-SPL               | S      | 12-1-02      | 9:00AM       | 5 PL  | 6ms       | 1         | X               | X | X |  |  |  |  |  |  |  |  |  |  |  |
| S02-10 PL             |        |              | 9:10AM       | 10 PL |           |           |                 |   |   |  |  |  |  |  |  |  |  |  |  |  |
| S02-15 PL             |        |              | 9:20AM       | 15 PL |           |           |                 |   |   |  |  |  |  |  |  |  |  |  |  |  |
| S01-3 PL              |        |              | 9:30AM       | 3 PL  |           |           |                 |   |   |  |  |  |  |  |  |  |  |  |  |  |
| S01-8 PL              |        |              | 9:40AM       | 8 PL  |           |           |                 |   |   |  |  |  |  |  |  |  |  |  |  |  |
| S01-12 PL             |        |              | 9:50AM       | 12 PL |           |           |                 |   |   |  |  |  |  |  |  |  |  |  |  |  |
| S03-5 PL              |        |              | 10:00AM      | 5 PL  |           |           |                 |   |   |  |  |  |  |  |  |  |  |  |  |  |
| S03-10 PL             |        |              | 10:10AM      | 10 PL |           |           |                 |   |   |  |  |  |  |  |  |  |  |  |  |  |
| S03-15 PL             |        |              | 10:20AM      | 15 PL |           |           |                 |   |   |  |  |  |  |  |  |  |  |  |  |  |
| S03-17 PL             |        |              | 10:30AM      | 17 PL |           |           |                 |   |   |  |  |  |  |  |  |  |  |  |  |  |

Total 2007 / 6010 2008 / 6020: 8RCRA 13PPM Texas T1 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn  
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg 1631 / 245 1 / 7470 / 7471

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

|                             |                         |               |                             |                         |           |
|-----------------------------|-------------------------|---------------|-----------------------------|-------------------------|-----------|
| Relinquished by (Signature) | Received by (Signature) | Date/Time     | Relinquished by (Signature) | Received by (Signature) | Date/Time |
|                             |                         | 12-2-22 10:16 |                             |                         |           |
|                             |                         |               |                             |                         |           |
|                             |                         |               |                             |                         |           |
|                             |                         |               |                             |                         |           |





Environment Testing  
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El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No: \_\_\_\_\_

www.xenico.com Page 2 of 3

|                  |                     |                         |                        |
|------------------|---------------------|-------------------------|------------------------|
| Project Manager: | SR Curtis           | Bill to: (if different) |                        |
| Company Name:    | Centango            | Company Name:           |                        |
| Address:         | 11405 Levington Hwy | Address:                |                        |
| City, State Zip: | Acton NM 88210      | City, State Zip:        |                        |
| Phone:           | 575-420-8175        | Email:                  | SR.Curtis@Centango.com |

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

|                          |             |                                                            |                                                                           |                      |                        |                  |            |   |   |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                     |                 |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------------|-------------|------------------------------------------------------------|---------------------------------------------------------------------------|----------------------|------------------------|------------------|------------|---|---|--|--|--|--|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|--|--|--|--|--|--|--|--|--|--|--|--|
| Project Name:            | Colgan 21st | Turn Around                                                | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush | Pres. Code           |                        | ANALYSIS REQUEST |            |   |   |  |  |  |  |  |  | Preservative Codes                                                                                                                                                                                                                                                                                                                  |                 |  |  |  |  |  |  |  |  |  |  |  |  |
| Project Location:        |             | Due Date:                                                  | 3 days                                                                    |                      |                        |                  |            |   |   |  |  |  |  |  |  | None NO DI Water H <sub>2</sub> O<br>Cool Cool MeOH Me<br>HCL, HC HNO <sub>3</sub> HN<br>H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub> NaOH Na<br>H <sub>3</sub> PO <sub>4</sub> HP<br>NaHSO <sub>4</sub> NABIS<br>Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NaSO <sub>3</sub><br>Zn Acetate+NaOH Zn<br>NaOH+Ascorbic Acid SAPC |                 |  |  |  |  |  |  |  |  |  |  |  |  |
| Sample's Name:           |             | TAT starts the day received the lab, if received by 4:30pm |                                                                           |                      |                        |                  |            |   |   |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                     |                 |  |  |  |  |  |  |  |  |  |  |  |  |
| P.O. #                   |             |                                                            |                                                                           |                      |                        |                  |            |   |   |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                     |                 |  |  |  |  |  |  |  |  |  |  |  |  |
| SAMPLE RECEIPT           | Temp Blank. | Yes No                                                     | Wet Ice                                                                   | Yes No               |                        |                  |            |   |   |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                     |                 |  |  |  |  |  |  |  |  |  |  |  |  |
| Samples Received Intact: | Yes No      | Thermometer ID:                                            | Correction Factor:                                                        | Temperature Reading: | Corrected Temperature: |                  |            |   |   |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                     |                 |  |  |  |  |  |  |  |  |  |  |  |  |
| Cooler Custody Seals:    | Yes No N/A  |                                                            |                                                                           |                      |                        |                  |            |   |   |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                     |                 |  |  |  |  |  |  |  |  |  |  |  |  |
| Sample Custody Seals:    | Yes No N/A  |                                                            |                                                                           |                      |                        |                  |            |   |   |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                     |                 |  |  |  |  |  |  |  |  |  |  |  |  |
| Total Containers:        |             |                                                            |                                                                           |                      |                        |                  |            |   |   |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                     |                 |  |  |  |  |  |  |  |  |  |  |  |  |
| Sample Identification    | Matrix      | Date Sampled                                               | Time Sampled                                                              | Depth                | Grab/Comp              | # of Cont        | Parameters |   |   |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                     | Sample Comments |  |  |  |  |  |  |  |  |  |  |  |  |
| SB4- STJ                 | S           | 12-1-02                                                    | 10:40A                                                                    | SP2                  | (Prob)                 | 1                | X          | X | X |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                     |                 |  |  |  |  |  |  |  |  |  |  |  |  |
| SB4- 9A                  |             |                                                            | 10:40A                                                                    | 4P2                  |                        |                  |            |   |   |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                     |                 |  |  |  |  |  |  |  |  |  |  |  |  |
| SB4- Dope                |             |                                                            |                                                                           |                      |                        |                  |            |   |   |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                     |                 |  |  |  |  |  |  |  |  |  |  |  |  |
| SB4- 15P2                |             |                                                            | 10:50A                                                                    | 15P2                 |                        |                  |            |   |   |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                     |                 |  |  |  |  |  |  |  |  |  |  |  |  |
| SB5- 3P2                 |             |                                                            | 11:00A                                                                    | 3P2                  |                        |                  |            |   |   |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                     |                 |  |  |  |  |  |  |  |  |  |  |  |  |
| SB5- 10P2                |             |                                                            | 11:10A                                                                    | 10P2                 |                        |                  |            |   |   |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                     |                 |  |  |  |  |  |  |  |  |  |  |  |  |
| SB5- 15P2                |             |                                                            | 11:20A                                                                    | 15P2                 |                        |                  |            |   |   |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                     |                 |  |  |  |  |  |  |  |  |  |  |  |  |
| SB5- 18P2                |             |                                                            | 11:30A                                                                    | 18P2                 |                        |                  |            |   |   |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                     |                 |  |  |  |  |  |  |  |  |  |  |  |  |
| SB6- 5P2                 |             |                                                            | 11:40A                                                                    | 5P2                  |                        |                  |            |   |   |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                     |                 |  |  |  |  |  |  |  |  |  |  |  |  |
| SB6- 10P2                |             |                                                            | 11:50A                                                                    | 10P2                 |                        |                  |            |   |   |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                     |                 |  |  |  |  |  |  |  |  |  |  |  |  |

Total 2007 / 6010 2008 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg 1631 / 2451 / 7470 / 7471

|                             |                         |               |                             |                         |           |
|-----------------------------|-------------------------|---------------|-----------------------------|-------------------------|-----------|
| Relinquished by (Signature) | Received by (Signature) | Date/Time     | Relinquished by (Signature) | Received by (Signature) | Date/Time |
|                             |                         | 12-2-22 10:16 |                             |                         |           |
|                             |                         |               |                             |                         |           |
|                             |                         |               |                             |                         |           |
|                             |                         |               |                             |                         |           |



Environment Testing  
Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300  
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El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296  
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 986-3199

Work Order No: \_\_\_\_\_

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|                 |                  |                         |                        |
|-----------------|------------------|-------------------------|------------------------|
| Project Manager | SR Curtis        | Bill to: (if different) |                        |
| Company Name    | Contango         | Company Name            |                        |
| Address         | 11405 Luvins Hwy | Address                 |                        |
| City, State Zip | Artesia NM 88210 | City, State Zip         |                        |
| Phone           | 575-420-8175     | Email                   | SR.Curtis@contango.com |

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

|                          |            |                                                               |                                                                           |            |           |                  |            |      |          |  |  |  |  |  |  |  |  |  |  |  |  |                                                                 |                           |  |
|--------------------------|------------|---------------------------------------------------------------|---------------------------------------------------------------------------|------------|-----------|------------------|------------|------|----------|--|--|--|--|--|--|--|--|--|--|--|--|-----------------------------------------------------------------|---------------------------|--|
| Project Name             | Colgate    | Turn Around                                                   | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush | Pres. Code |           | ANALYSIS REQUEST |            |      |          |  |  |  |  |  |  |  |  |  |  |  |  | Preservative Codes                                              |                           |  |
| Project Number           |            | Due Date                                                      | 3 day                                                                     |            |           |                  |            |      |          |  |  |  |  |  |  |  |  |  |  |  |  | None NO                                                         | DI Water H <sub>2</sub> O |  |
| Project Location         |            | TAT starts the day received by the lab, if received by 4:30pm |                                                                           |            |           |                  |            |      |          |  |  |  |  |  |  |  |  |  |  |  |  | Cool Cool                                                       | MeOH Me                   |  |
| Sampler's Name           |            |                                                               |                                                                           |            |           |                  |            |      |          |  |  |  |  |  |  |  |  |  |  |  |  | HCL HC                                                          | HNO <sub>3</sub> HN       |  |
| P.O. #                   |            |                                                               |                                                                           |            |           |                  |            |      |          |  |  |  |  |  |  |  |  |  |  |  |  | H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub>                   | NaOH Na                   |  |
| SAMPLE RECEIPT           |            | Temp Blank:                                                   | Yes No                                                                    | Wet/ce:    | Yes No    |                  |            |      |          |  |  |  |  |  |  |  |  |  |  |  |  | H <sub>3</sub> PO <sub>4</sub> HP                               |                           |  |
| Samples Received Intact: | Yes No     | Thermometer ID:                                               |                                                                           |            |           |                  |            |      |          |  |  |  |  |  |  |  |  |  |  |  |  | NaHSO <sub>4</sub> NABIS                                        |                           |  |
| Cooler Custody Seals:    | Yes No N/A | Correction Factor:                                            |                                                                           |            |           |                  |            |      |          |  |  |  |  |  |  |  |  |  |  |  |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NaSO <sub>3</sub> |                           |  |
| Sample Custody Seals:    | Yes No N/A | Temperature Reading                                           |                                                                           |            |           |                  |            |      |          |  |  |  |  |  |  |  |  |  |  |  |  | Zn Acetate+NaOH Zn                                              |                           |  |
| Total Containers:        |            | Corrected Temperature:                                        |                                                                           |            |           |                  |            |      |          |  |  |  |  |  |  |  |  |  |  |  |  | NaOH+Ascorbic Acid SAPC                                         |                           |  |
| Sample Identification    | Matrix     | Date Sampled                                                  | Time Sampled                                                              | Depth      | Grab/Comp | # of Cont        | Parameters |      |          |  |  |  |  |  |  |  |  |  |  |  |  |                                                                 | Sample Comments           |  |
| S06-15P2                 | S          | 12-1-28                                                       | 12:00 PM                                                                  | 15 ft      | 6m        | 1                | TPH        | BTEx | Chloride |  |  |  |  |  |  |  |  |  |  |  |  |                                                                 |                           |  |
| S07-10P4                 |            |                                                               | 1:30 PM                                                                   | 10 ft      |           |                  |            |      |          |  |  |  |  |  |  |  |  |  |  |  |  |                                                                 |                           |  |
| S07-5P2                  |            |                                                               | 1:40 PM                                                                   | 5 ft       |           |                  |            |      |          |  |  |  |  |  |  |  |  |  |  |  |  |                                                                 |                           |  |
| S07-15P2                 |            |                                                               | 2:00 PM                                                                   | 15 ft      |           |                  |            |      |          |  |  |  |  |  |  |  |  |  |  |  |  |                                                                 |                           |  |
| Well #1                  | W          |                                                               | 9:00 A                                                                    | 36 ft      | 6m        | 6                |            |      |          |  |  |  |  |  |  |  |  |  |  |  |  |                                                                 |                           |  |
| Well #1 Dye              | W          |                                                               | 9:00 A                                                                    | 36 ft      |           | 6                |            |      |          |  |  |  |  |  |  |  |  |  |  |  |  |                                                                 |                           |  |

|                                              |                  |                                                      |                                                                                               |
|----------------------------------------------|------------------|------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Total 200.7 / 6010                           | 200.8 / 6020:    | 8RCRA 13PPM Texas 11                                 | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SIO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed | TCRP / SPLP 6010 | 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U | Hg 1631 / 2451 / 7470 / 7471                                                                  |

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|                             |                         |               |                             |                         |           |
|-----------------------------|-------------------------|---------------|-----------------------------|-------------------------|-----------|
| Relinquished by (Signature) | Received by (Signature) | Date/Time     | Relinquished by (Signature) | Received by (Signature) | Date/Time |
|                             |                         | 12-2-22 10.17 |                             |                         |           |
|                             |                         |               |                             |                         |           |
|                             |                         |               |                             |                         |           |
|                             |                         |               |                             |                         |           |

## Login Sample Receipt Checklist

Client: Contango Resources LLC

Job Number: 880-22243-1

Login Number: 22243

List Source: Eurofins Midland

List Number: 1

Creator: Kramer, Jessica

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





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Jr Curtis  
Contango Resources LLC  
11405 Lovington Hwy  
Artesia, New Mexico 88210  
Generated 1/11/2023 3:13:19 PM Revision 1

## JOB DESCRIPTION

Colglazier

## JOB NUMBER

880-22243-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

# Eurofins Midland

## Job Notes

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

## Authorization



Authorized for release by  
John Builes, Project Manager  
[John.Builes@et.eurofinsus.com](mailto:John.Builes@et.eurofinsus.com)  
(561)558-4549

Generated  
1/11/2023 3:13:19 PM  
Revision 1

Client: Contango Resources LLC  
Project/Site: Colglazier

Laboratory Job ID: 880-22243-1

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## Definitions/Glossary

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

## Qualifiers

## GC VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| F1        | MS and/or MSD recovery exceeds control limits.           |
| S1-       | Surrogate recovery exceeds control limits, low biased.   |
| S1+       | Surrogate recovery exceeds control limits, high biased.  |
| U         | Indicates the analyte was analyzed for but not detected. |

## GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| 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. |

## Glossary

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

Eurofins Midland

## Case Narrative

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

**Job ID: 880-22243-1****Laboratory: Eurofins Midland****Narrative****Job Narrative  
880-22243-1**REVISION

The report being provided is a revision of the original report sent on 12/13/2022. The report (revision 1) is being revised due to Revised reports to split PDF based on analysis per client request..

Report revision history

**Receipt**

The samples were received on 12/2/2022 10:16 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 0.6°C

**GC VOA**

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-41242 and analytical batch 880-41281 was outside the control limits.

Method 8021B: The surrogate recovery for the blank associated with analytical batch 880-41281 was outside the control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: SB6-15FT (880-22243-21). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-41160 and analytical batch 880-41157 was outside the control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: SB3-15FT (880-22243-9) and SB3-17FT (880-22243-10). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-41031 and analytical batch 880-41141 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

**GC Semi VOA**

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-41302 and analytical batch 880-41218 was outside the upper control limits.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-41302/2-A) and (LCSD 880-41302/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: SB7-10FT (880-22243-22). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: SB6-15FT (880-22243-21). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-41296/1-A). Evidence of matrix interferences is not obvious.

Case Narrative

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Job ID: 880-22243-1 (Continued)

Laboratory: Eurofins Midland (Continued)

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

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Client Sample ID: SB2-5FT

Lab Sample ID: 880-22243-1

Date Collected: 12/01/22 09:00

Matrix: Solid

Date Received: 12/02/22 10:16

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

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00201 | U F1      | 0.00201 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 00:23 | 1       |
| Toluene             | 0.00206  | F1        | 0.00201 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 00:23 | 1       |
| Ethylbenzene        | 0.00291  | F1        | 0.00201 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 00:23 | 1       |
| m-Xylene & p-Xylene | 0.00624  | F1        | 0.00402 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 00:23 | 1       |
| o-Xylene            | 0.00248  | F1        | 0.00201 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 00:23 | 1       |
| Xylenes, Total      | 0.00872  | F1        | 0.00402 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 00:23 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 94        |           | 70 - 130 | 12/05/22 12:26 | 12/07/22 00:23 | 1       |
| 1,4-Difluorobenzene (Surr)  | 102       |           | 70 - 130 | 12/05/22 12:26 | 12/07/22 00:23 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 0.0137 |           | 0.00402 |     | mg/Kg |   |          | 12/07/22 10:58 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 12/07/22 09:48 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 12/06/22 10:09 | 12/06/22 21:22 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 12/06/22 10:09 | 12/06/22 21:22 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 12/06/22 10:09 | 12/06/22 21:22 | 1       |
| Total TPH                            | <50.0  | U         | 50.0 |     | mg/Kg |   | 12/06/22 10:09 | 12/06/22 21:22 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 119       |           | 70 - 130 | 12/06/22 10:09 | 12/06/22 21:22 | 1       |
| o-Terphenyl    | 124       |           | 70 - 130 | 12/06/22 10:09 | 12/06/22 21:22 | 1       |

Client Sample ID: SB2-10FT

Lab Sample ID: 880-22243-2

Date Collected: 12/01/22 09:10

Matrix: Solid

Date Received: 12/02/22 10:16

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

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 00:44 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 00:44 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 00:44 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 00:44 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 00:44 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 00:44 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 108       |           | 70 - 130 | 12/05/22 12:26 | 12/07/22 00:44 | 1       |
| 1,4-Difluorobenzene (Surr)  | 101       |           | 70 - 130 | 12/05/22 12:26 | 12/07/22 00:44 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 12/07/22 10:58 | 1       |

Eurofins Midland

## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Client Sample ID: SB2-10FT

Lab Sample ID: 880-22243-2

Date Collected: 12/01/22 09:10

Matrix: Solid

Date Received: 12/02/22 10:16

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 12/07/22 09:48 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 12/06/22 10:09 | 12/06/22 22:23 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 12/06/22 10:09 | 12/06/22 22:23 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 12/06/22 10:09 | 12/06/22 22:23 | 1       |
| Total TPH                            | <49.9  | U         | 49.9 |     | mg/Kg |   | 12/06/22 10:09 | 12/06/22 22:23 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 105       |           | 70 - 130 | 12/06/22 10:09 | 12/06/22 22:23 | 1       |
| o-Terphenyl    | 112       |           | 70 - 130 | 12/06/22 10:09 | 12/06/22 22:23 | 1       |

Client Sample ID: SB2-15FT

Lab Sample ID: 880-22243-3

Date Collected: 12/01/22 09:20

Matrix: Solid

Date Received: 12/02/22 10:16

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

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 01:04 | 1       |
| Toluene             | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 01:04 | 1       |
| Ethylbenzene        | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 01:04 | 1       |
| m-Xylene & p-Xylene | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 01:04 | 1       |
| o-Xylene            | <0.00200 | U         | 0.00200 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 01:04 | 1       |
| Xylenes, Total      | <0.00399 | U         | 0.00399 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 01:04 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 102       |           | 70 - 130 | 12/05/22 12:26 | 12/07/22 01:04 | 1       |
| 1,4-Difluorobenzene (Surr)  | 81        |           | 70 - 130 | 12/05/22 12:26 | 12/07/22 01:04 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U         | 0.00399 |     | mg/Kg |   |          | 12/07/22 10:58 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 12/07/22 09:48 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 12/06/22 10:09 | 12/06/22 22:43 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 12/06/22 10:09 | 12/06/22 22:43 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 12/06/22 10:09 | 12/06/22 22:43 | 1       |
| Total TPH                            | <49.9  | U         | 49.9 |     | mg/Kg |   | 12/06/22 10:09 | 12/06/22 22:43 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 110       |           | 70 - 130 | 12/06/22 10:09 | 12/06/22 22:43 | 1       |
| o-Terphenyl    | 117       |           | 70 - 130 | 12/06/22 10:09 | 12/06/22 22:43 | 1       |

Eurofins Midland

## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Client Sample ID: SB1-3FT

Lab Sample ID: 880-22243-4

Date Collected: 12/01/22 09:30

Matrix: Solid

Date Received: 12/02/22 10:16

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

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 01:25 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 01:25 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 01:25 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 01:25 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 01:25 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 01:25 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 107       |           | 70 - 130 | 12/05/22 12:26 | 12/07/22 01:25 | 1       |
| 1,4-Difluorobenzene (Surr)  | 104       |           | 70 - 130 | 12/05/22 12:26 | 12/07/22 01:25 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 12/07/22 10:58 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 12/07/22 09:48 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 12/06/22 10:09 | 12/06/22 23:04 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 12/06/22 10:09 | 12/06/22 23:04 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 12/06/22 10:09 | 12/06/22 23:04 | 1       |
| Total TPH                            | <50.0  | U         | 50.0 |     | mg/Kg |   | 12/06/22 10:09 | 12/06/22 23:04 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 110       |           | 70 - 130 | 12/06/22 10:09 | 12/06/22 23:04 | 1       |
| o-Terphenyl    | 116       |           | 70 - 130 | 12/06/22 10:09 | 12/06/22 23:04 | 1       |

Client Sample ID: SB1-8FT

Lab Sample ID: 880-22243-5

Date Collected: 12/01/22 09:40

Matrix: Solid

Date Received: 12/02/22 10:16

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

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 01:45 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 01:45 | 1       |
| Ethylbenzene        | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 01:45 | 1       |
| m-Xylene & p-Xylene | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 01:45 | 1       |
| o-Xylene            | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 01:45 | 1       |
| Xylenes, Total      | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 01:45 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 106       |           | 70 - 130 | 12/05/22 12:26 | 12/07/22 01:45 | 1       |
| 1,4-Difluorobenzene (Surr)  | 101       |           | 70 - 130 | 12/05/22 12:26 | 12/07/22 01:45 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 |     | mg/Kg |   |          | 12/07/22 10:58 | 1       |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Client Sample ID: SB1-8FT

Lab Sample ID: 880-22243-5

Date Collected: 12/01/22 09:40

Matrix: Solid

Date Received: 12/02/22 10:16

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 12/07/22 09:48 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 12/06/22 10:09 | 12/06/22 23:24 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 12/06/22 10:09 | 12/06/22 23:24 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 12/06/22 10:09 | 12/06/22 23:24 | 1       |
| Total TPH                            | <50.0  | U         | 50.0 |     | mg/Kg |   | 12/06/22 10:09 | 12/06/22 23:24 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 85        |           | 70 - 130 | 12/06/22 10:09 | 12/06/22 23:24 | 1       |
| o-Terphenyl    | 92        |           | 70 - 130 | 12/06/22 10:09 | 12/06/22 23:24 | 1       |

Client Sample ID: SB1-12FT

Lab Sample ID: 880-22243-6

Date Collected: 12/01/22 09:50

Matrix: Solid

Date Received: 12/02/22 10:16

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

| Analyte             | Result | Qualifier | RL    | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.199 | U         | 0.199 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 02:26 | 100     |
| Toluene             | <0.199 | U         | 0.199 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 02:26 | 100     |
| Ethylbenzene        | <0.199 | U         | 0.199 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 02:26 | 100     |
| m-Xylene & p-Xylene | <0.398 | U         | 0.398 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 02:26 | 100     |
| o-Xylene            | 0.598  |           | 0.199 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 02:26 | 100     |
| Xylenes, Total      | 0.598  |           | 0.398 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 02:26 | 100     |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 102       |           | 70 - 130 | 12/05/22 12:26 | 12/07/22 02:26 | 100     |
| 1,4-Difluorobenzene (Surr)  | 105       |           | 70 - 130 | 12/05/22 12:26 | 12/07/22 02:26 | 100     |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL    | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|-------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 0.598  |           | 0.398 |     | mg/Kg |   |          | 12/07/22 10:58 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 203    |           | 50.0 |     | mg/Kg |   |          | 12/07/22 09:48 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 01:05 | 1       |
| Diesel Range Organics (Over C10-C28) | 203    |           | 50.0 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 01:05 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 01:05 | 1       |
| Total TPH                            | 203    |           | 50.0 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 01:05 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 107       |           | 70 - 130 | 12/06/22 10:09 | 12/07/22 01:05 | 1       |
| o-Terphenyl    | 109       |           | 70 - 130 | 12/06/22 10:09 | 12/07/22 01:05 | 1       |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Client Sample ID: SB3-5FT

Lab Sample ID: 880-22243-7

Date Collected: 12/01/22 10:00

Matrix: Solid

Date Received: 12/02/22 10:16

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

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 02:05 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 02:05 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 02:05 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 02:05 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 02:05 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 02:05 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 104       |           | 70 - 130 | 12/05/22 12:26 | 12/07/22 02:05 | 1       |
| 1,4-Difluorobenzene (Surr)  | 84        |           | 70 - 130 | 12/05/22 12:26 | 12/07/22 02:05 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 12/07/22 10:58 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 66.6   |           | 49.8 |     | mg/Kg |   |          | 12/07/22 09:48 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.8  | U         | 49.8 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 00:44 | 1       |
| Diesel Range Organics (Over C10-C28) | 66.6   |           | 49.8 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 00:44 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.8  | U         | 49.8 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 00:44 | 1       |
| Total TPH                            | 66.6   |           | 49.8 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 00:44 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 118       |           | 70 - 130 | 12/06/22 10:09 | 12/07/22 00:44 | 1       |
| o-Terphenyl    | 126       |           | 70 - 130 | 12/06/22 10:09 | 12/07/22 00:44 | 1       |

Client Sample ID: SB3-10FT

Lab Sample ID: 880-22243-8

Date Collected: 12/01/22 10:10

Matrix: Solid

Date Received: 12/02/22 10:16

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

| Analyte             | Result | Qualifier | RL    | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.200 | U         | 0.200 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 02:46 | 100     |
| Toluene             | <0.200 | U         | 0.200 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 02:46 | 100     |
| Ethylbenzene        | <0.200 | U         | 0.200 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 02:46 | 100     |
| m-Xylene & p-Xylene | 0.548  |           | 0.399 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 02:46 | 100     |
| o-Xylene            | 0.921  |           | 0.200 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 02:46 | 100     |
| Xylenes, Total      | 1.47   |           | 0.399 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 02:46 | 100     |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 104       |           | 70 - 130 | 12/05/22 12:26 | 12/07/22 02:46 | 100     |
| 1,4-Difluorobenzene (Surr)  | 108       |           | 70 - 130 | 12/05/22 12:26 | 12/07/22 02:46 | 100     |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL    | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|-------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 1.47   |           | 0.399 |     | mg/Kg |   |          | 12/07/22 10:58 | 1       |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Client Sample ID: SB3-10FT

Lab Sample ID: 880-22243-8

Date Collected: 12/01/22 10:10

Matrix: Solid

Date Received: 12/02/22 10:16

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 473    |           | 49.9 |     | mg/Kg |   |          | 12/07/22 09:48 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 02:06 | 1       |
| Diesel Range Organics (Over C10-C28) | 473    |           | 49.9 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 02:06 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 02:06 | 1       |
| Total TPH                            | 473    |           | 49.9 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 02:06 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 89        |           | 70 - 130 | 12/06/22 10:09 | 12/07/22 02:06 | 1       |
| o-Terphenyl    | 89        |           | 70 - 130 | 12/06/22 10:09 | 12/07/22 02:06 | 1       |

Client Sample ID: SB3-15FT

Lab Sample ID: 880-22243-9

Date Collected: 12/01/22 10:20

Matrix: Solid

Date Received: 12/02/22 10:16

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

| Analyte             | Result | Qualifier | RL    | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-------|-----|-------|---|----------------|----------------|---------|
| Benzene             | 0.794  |           | 0.201 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 03:07 | 100     |
| Toluene             | <0.201 | U         | 0.201 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 03:07 | 100     |
| Ethylbenzene        | 1.29   |           | 0.201 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 03:07 | 100     |
| m-Xylene & p-Xylene | 2.09   |           | 0.402 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 03:07 | 100     |
| o-Xylene            | 0.276  |           | 0.201 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 03:07 | 100     |
| Xylenes, Total      | 2.37   |           | 0.402 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 03:07 | 100     |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 131       | S1+       | 70 - 130 | 12/05/22 12:26 | 12/07/22 03:07 | 100     |
| 1,4-Difluorobenzene (Surr)  | 128       |           | 70 - 130 | 12/05/22 12:26 | 12/07/22 03:07 | 100     |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL    | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|-------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 4.45   |           | 0.402 |     | mg/Kg |   |          | 12/07/22 10:58 | 1       |

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

| Analyte   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|-----|-----|-------|---|----------|----------------|---------|
| Total TPH | 1680   |           | 250 |     | mg/Kg |   |          | 12/07/22 09:48 | 1       |

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

| Analyte                              | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <250   | U         | 250 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 00:04 | 5       |
| Diesel Range Organics (Over C10-C28) | 1680   |           | 250 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 00:04 | 5       |
| Oil Range Organics (Over C28-C36)    | <250   | U         | 250 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 00:04 | 5       |
| Total TPH                            | 1680   |           | 250 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 00:04 | 5       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 83        |           | 70 - 130 | 12/06/22 10:09 | 12/07/22 00:04 | 5       |
| o-Terphenyl    | 89        |           | 70 - 130 | 12/06/22 10:09 | 12/07/22 00:04 | 5       |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Client Sample ID: SB3-17FT

Lab Sample ID: 880-22243-10

Date Collected: 12/01/22 10:30

Matrix: Solid

Date Received: 12/02/22 10:16

## Method: SW846 8021B - Volatile Organic Compounds (GC) - DL3

| Analyte             | Result | Qualifier | RL    | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.199 | U         | 0.199 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 03:27 | 100     |
| Toluene             | <0.199 | U         | 0.199 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 03:27 | 100     |
| Ethylbenzene        | <0.199 | U         | 0.199 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 03:27 | 100     |
| m-Xylene & p-Xylene | <0.398 | U         | 0.398 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 03:27 | 100     |
| o-Xylene            | 0.601  |           | 0.199 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 03:27 | 100     |
| Xylenes, Total      | 0.601  |           | 0.398 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 03:27 | 100     |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 132       | S1+       | 70 - 130 | 12/05/22 12:26 | 12/07/22 03:27 | 100     |
| 1,4-Difluorobenzene (Surr)  | 89        |           | 70 - 130 | 12/05/22 12:26 | 12/07/22 03:27 | 100     |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL    | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|-------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 0.601  |           | 0.398 |     | mg/Kg |   |          | 12/07/22 10:58 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 1180   |           | 49.9 |     | mg/Kg |   |          | 12/07/22 09:48 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 115    |           | 49.9 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 01:46 | 1       |
| Diesel Range Organics (Over C10-C28) | 1060   |           | 49.9 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 01:46 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 01:46 | 1       |
| Total TPH                            | 1180   |           | 49.9 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 01:46 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 110       |           | 70 - 130 | 12/06/22 10:09 | 12/07/22 01:46 | 1       |
| o-Terphenyl    | 108       |           | 70 - 130 | 12/06/22 10:09 | 12/07/22 01:46 | 1       |

Client Sample ID: SB4-5FT

Lab Sample ID: 880-22243-11

Date Collected: 12/01/22 10:40

Matrix: Solid

Date Received: 12/02/22 10:16

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

| Analyte             | Result | Qualifier | RL    | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.199 | U         | 0.199 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 04:49 | 100     |
| Toluene             | <0.199 | U         | 0.199 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 04:49 | 100     |
| Ethylbenzene        | <0.199 | U         | 0.199 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 04:49 | 100     |
| m-Xylene & p-Xylene | <0.398 | U         | 0.398 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 04:49 | 100     |
| o-Xylene            | <0.199 | U         | 0.199 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 04:49 | 100     |
| Xylenes, Total      | <0.398 | U         | 0.398 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 04:49 | 100     |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 120       |           | 70 - 130 | 12/05/22 12:26 | 12/07/22 04:49 | 100     |
| 1,4-Difluorobenzene (Surr)  | 100       |           | 70 - 130 | 12/05/22 12:26 | 12/07/22 04:49 | 100     |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL    | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|-------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.398 | U         | 0.398 |     | mg/Kg |   |          | 12/07/22 10:58 | 1       |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Client Sample ID: SB4-5FT

Lab Sample ID: 880-22243-11

Date Collected: 12/01/22 10:40

Matrix: Solid

Date Received: 12/02/22 10:16

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

| Analyte   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|-----|-----|-------|---|----------|----------------|---------|
| Total TPH | 4740   |           | 499 |     | mg/Kg |   |          | 12/07/22 09:48 | 1       |

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

| Analyte                              | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <499   | U         | 499 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 03:28 | 10      |
| Diesel Range Organics (Over C10-C28) | 4740   |           | 499 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 03:28 | 10      |
| Oil Range Organics (Over C28-C36)    | <499   | U         | 499 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 03:28 | 10      |
| Total TPH                            | 4740   |           | 499 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 03:28 | 10      |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 119       |           | 70 - 130 | 12/06/22 10:09 | 12/07/22 03:28 | 10      |
| o-Terphenyl    | 124       |           | 70 - 130 | 12/06/22 10:09 | 12/07/22 03:28 | 10      |

Client Sample ID: SB4-9FT

Lab Sample ID: 880-22243-12

Date Collected: 12/01/22 10:40

Matrix: Solid

Date Received: 12/02/22 10:16

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

| Analyte             | Result | Qualifier | RL    | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.200 | U         | 0.200 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 05:09 | 100     |
| Toluene             | <0.200 | U         | 0.200 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 05:09 | 100     |
| Ethylbenzene        | <0.200 | U         | 0.200 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 05:09 | 100     |
| m-Xylene & p-Xylene | <0.399 | U         | 0.399 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 05:09 | 100     |
| o-Xylene            | <0.200 | U         | 0.200 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 05:09 | 100     |
| Xylenes, Total      | <0.399 | U         | 0.399 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 05:09 | 100     |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 126       |           | 70 - 130 | 12/05/22 12:26 | 12/07/22 05:09 | 100     |
| 1,4-Difluorobenzene (Surr)  | 103       |           | 70 - 130 | 12/05/22 12:26 | 12/07/22 05:09 | 100     |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL    | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|-------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.399 | U         | 0.399 |     | mg/Kg |   |          | 12/07/22 10:58 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 862    |           | 49.9 |     | mg/Kg |   |          | 12/07/22 09:48 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 12/06/22 10:09 | 12/06/22 23:44 | 1       |
| Diesel Range Organics (Over C10-C28) | 862    |           | 49.9 |     | mg/Kg |   | 12/06/22 10:09 | 12/06/22 23:44 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 12/06/22 10:09 | 12/06/22 23:44 | 1       |
| Total TPH                            | 862    |           | 49.9 |     | mg/Kg |   | 12/06/22 10:09 | 12/06/22 23:44 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 108       |           | 70 - 130 | 12/06/22 10:09 | 12/06/22 23:44 | 1       |
| o-Terphenyl    | 106       |           | 70 - 130 | 12/06/22 10:09 | 12/06/22 23:44 | 1       |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Client Sample ID: SB4-DUP

Lab Sample ID: 880-22243-13

Date Collected: 12/01/22 00:00

Matrix: Solid

Date Received: 12/02/22 10:16

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

| Analyte             | Result | Qualifier | RL    | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.201 | U         | 0.201 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 05:30 | 100     |
| Toluene             | <0.201 | U         | 0.201 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 05:30 | 100     |
| Ethylbenzene        | <0.201 | U         | 0.201 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 05:30 | 100     |
| m-Xylene & p-Xylene | <0.402 | U         | 0.402 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 05:30 | 100     |
| o-Xylene            | <0.201 | U         | 0.201 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 05:30 | 100     |
| Xylenes, Total      | <0.402 | U         | 0.402 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 05:30 | 100     |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 118       |           | 70 - 130 | 12/05/22 12:26 | 12/07/22 05:30 | 100     |
| 1,4-Difluorobenzene (Surr)  | 111       |           | 70 - 130 | 12/05/22 12:26 | 12/07/22 05:30 | 100     |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL    | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|-------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.402 | U         | 0.402 |     | mg/Kg |   |          | 12/07/22 10:58 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 676    |           | 50.0 |     | mg/Kg |   |          | 12/07/22 09:48 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 02:26 | 1       |
| Diesel Range Organics (Over C10-C28) | 676    |           | 50.0 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 02:26 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 02:26 | 1       |
| Total TPH                            | 676    |           | 50.0 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 02:26 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 120       |           | 70 - 130 | 12/06/22 10:09 | 12/07/22 02:26 | 1       |
| o-Terphenyl    | 124       |           | 70 - 130 | 12/06/22 10:09 | 12/07/22 02:26 | 1       |

Client Sample ID: SB4-15FT

Lab Sample ID: 880-22243-14

Date Collected: 12/01/22 10:50

Matrix: Solid

Date Received: 12/02/22 10:16

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

| Analyte             | Result | Qualifier | RL    | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.200 | U         | 0.200 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 05:50 | 100     |
| Toluene             | <0.200 | U         | 0.200 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 05:50 | 100     |
| Ethylbenzene        | <0.200 | U         | 0.200 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 05:50 | 100     |
| m-Xylene & p-Xylene | <0.401 | U         | 0.401 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 05:50 | 100     |
| o-Xylene            | 0.803  |           | 0.200 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 05:50 | 100     |
| Xylenes, Total      | 0.803  |           | 0.401 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 05:50 | 100     |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 110       |           | 70 - 130 | 12/05/22 12:26 | 12/07/22 05:50 | 100     |
| 1,4-Difluorobenzene (Surr)  | 106       |           | 70 - 130 | 12/05/22 12:26 | 12/07/22 05:50 | 100     |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL    | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|-------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 0.803  |           | 0.401 |     | mg/Kg |   |          | 12/07/22 10:58 | 1       |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Client Sample ID: SB4-15FT

Lab Sample ID: 880-22243-14

Date Collected: 12/01/22 10:50

Matrix: Solid

Date Received: 12/02/22 10:16

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 1130   |           | 50.0 |     | mg/Kg |   |          | 12/07/22 09:48 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 66.4   |           | 50.0 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 02:47 | 1       |
| Diesel Range Organics (Over C10-C28) | 1060   |           | 50.0 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 02:47 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 02:47 | 1       |
| Total TPH                            | 1130   |           | 50.0 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 02:47 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 124       |           | 70 - 130 | 12/06/22 10:09 | 12/07/22 02:47 | 1       |
| o-Terphenyl    | 123       |           | 70 - 130 | 12/06/22 10:09 | 12/07/22 02:47 | 1       |

Client Sample ID: SB5-3FT

Lab Sample ID: 880-22243-15

Date Collected: 12/01/22 11:00

Matrix: Solid

Date Received: 12/02/22 10:16

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

| Analyte             | Result | Qualifier | RL    | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.199 | U         | 0.199 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 06:11 | 100     |
| Toluene             | <0.199 | U         | 0.199 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 06:11 | 100     |
| Ethylbenzene        | <0.199 | U         | 0.199 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 06:11 | 100     |
| m-Xylene & p-Xylene | <0.398 | U         | 0.398 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 06:11 | 100     |
| o-Xylene            | 0.978  |           | 0.199 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 06:11 | 100     |
| Xylenes, Total      | 0.978  |           | 0.398 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 06:11 | 100     |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 114       |           | 70 - 130 | 12/05/22 12:26 | 12/07/22 06:11 | 100     |
| 1,4-Difluorobenzene (Surr)  | 100       |           | 70 - 130 | 12/05/22 12:26 | 12/07/22 06:11 | 100     |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL    | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|-------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 0.978  |           | 0.398 |     | mg/Kg |   |          | 12/07/22 10:58 | 1       |

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

| Analyte   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|-----|-----|-------|---|----------|----------------|---------|
| Total TPH | 2750   |           | 250 |     | mg/Kg |   |          | 12/07/22 09:48 | 1       |

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

| Analyte                              | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <250   | U         | 250 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 03:49 | 5       |
| Diesel Range Organics (Over C10-C28) | 2750   |           | 250 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 03:49 | 5       |
| Oil Range Organics (Over C28-C36)    | <250   | U         | 250 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 03:49 | 5       |
| Total TPH                            | 2750   |           | 250 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 03:49 | 5       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 100       |           | 70 - 130 | 12/06/22 10:09 | 12/07/22 03:49 | 5       |
| o-Terphenyl    | 105       |           | 70 - 130 | 12/06/22 10:09 | 12/07/22 03:49 | 5       |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Client Sample ID: SB5-10FT

Lab Sample ID: 880-22243-16

Date Collected: 12/01/22 11:10

Matrix: Solid

Date Received: 12/02/22 10:16

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

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | 0.274     |           | 0.198    |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 06:31 | 100     |
| Toluene                     | <0.198    | U         | 0.198    |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 06:31 | 100     |
| Ethylbenzene                | <0.198    | U         | 0.198    |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 06:31 | 100     |
| m-Xylene & p-Xylene         | 0.728     |           | 0.396    |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 06:31 | 100     |
| o-Xylene                    | 1.16      |           | 0.198    |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 06:31 | 100     |
| Xylenes, Total              | 1.89      |           | 0.396    |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 06:31 | 100     |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 106       |           | 70 - 130 |     |       |   | 12/05/22 12:26 | 12/07/22 06:31 | 100     |
| 1,4-Difluorobenzene (Surr)  | 108       |           | 70 - 130 |     |       |   | 12/05/22 12:26 | 12/07/22 06:31 | 100     |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL    | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|-------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 2.16   |           | 0.396 |     | mg/Kg |   |          | 12/07/22 10:58 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | 815    |           | 49.9 |     | mg/Kg |   |          | 12/07/22 09:48 | 1       |

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

| Analyte                              | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 103       |           | 49.9     |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 03:08 | 1       |
| Diesel Range Organics (Over C10-C28) | 712       |           | 49.9     |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 03:08 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9     | U         | 49.9     |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 03:08 | 1       |
| Total TPH                            | 815       |           | 49.9     |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 03:08 | 1       |
| Surrogate                            | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 104       |           | 70 - 130 |     |       |   | 12/06/22 10:09 | 12/07/22 03:08 | 1       |
| o-Terphenyl                          | 106       |           | 70 - 130 |     |       |   | 12/06/22 10:09 | 12/07/22 03:08 | 1       |

Client Sample ID: SB5-15FT

Lab Sample ID: 880-22243-17

Date Collected: 12/01/22 11:20

Matrix: Solid

Date Received: 12/02/22 10:16

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

| Analyte                     | Result    | Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene                     | 0.576     |           | 0.199    |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 06:52 | 100     |
| Toluene                     | <0.199    | U         | 0.199    |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 06:52 | 100     |
| Ethylbenzene                | 0.480     |           | 0.199    |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 06:52 | 100     |
| m-Xylene & p-Xylene         | 0.905     |           | 0.398    |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 06:52 | 100     |
| o-Xylene                    | 1.26      |           | 0.199    |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 06:52 | 100     |
| Xylenes, Total              | 2.17      |           | 0.398    |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 06:52 | 100     |
| Surrogate                   | %Recovery | Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 102       |           | 70 - 130 |     |       |   | 12/05/22 12:26 | 12/07/22 06:52 | 100     |
| 1,4-Difluorobenzene (Surr)  | 112       |           | 70 - 130 |     |       |   | 12/05/22 12:26 | 12/07/22 06:52 | 100     |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL    | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|-------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 3.22   |           | 0.398 |     | mg/Kg |   |          | 12/07/22 10:58 | 1       |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Client Sample ID: SB5-15FT

Lab Sample ID: 880-22243-17

Date Collected: 12/01/22 11:20

Matrix: Solid

Date Received: 12/02/22 10:16

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

| Analyte   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|-----|-----|-------|---|----------|----------------|---------|
| Total TPH | 2970   |           | 250 |     | mg/Kg |   |          | 12/07/22 09:48 | 1       |

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

| Analyte                              | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 290    |           | 250 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 04:10 | 5       |
| Diesel Range Organics (Over C10-C28) | 2680   |           | 250 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 04:10 | 5       |
| Oil Range Organics (Over C28-C36)    | <250   | U         | 250 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 04:10 | 5       |
| Total TPH                            | 2970   |           | 250 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 04:10 | 5       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 102       |           | 70 - 130 | 12/06/22 10:09 | 12/07/22 04:10 | 5       |
| o-Terphenyl    | 110       |           | 70 - 130 | 12/06/22 10:09 | 12/07/22 04:10 | 5       |

Client Sample ID: SB5-18FT

Lab Sample ID: 880-22243-18

Date Collected: 12/01/22 11:30

Matrix: Solid

Date Received: 12/02/22 10:16

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

| Analyte             | Result | Qualifier | RL    | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-------|-----|-------|---|----------------|----------------|---------|
| Benzene             | 0.872  |           | 0.200 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 07:12 | 100     |
| Toluene             | <0.200 | U         | 0.200 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 07:12 | 100     |
| Ethylbenzene        | <0.200 | U         | 0.200 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 07:12 | 100     |
| m-Xylene & p-Xylene | 1.36   |           | 0.399 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 07:12 | 100     |
| o-Xylene            | 1.50   |           | 0.200 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 07:12 | 100     |
| Xylenes, Total      | 2.86   |           | 0.399 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 07:12 | 100     |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 116       |           | 70 - 130 | 12/05/22 12:26 | 12/07/22 07:12 | 100     |
| 1,4-Difluorobenzene (Surr)  | 123       |           | 70 - 130 | 12/05/22 12:26 | 12/07/22 07:12 | 100     |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL    | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|-------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 3.73   |           | 0.399 |     | mg/Kg |   |          | 12/07/22 10:58 | 1       |

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

| Analyte   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|-----|-----|-------|---|----------|----------------|---------|
| Total TPH | 5460   |           | 499 |     | mg/Kg |   |          | 12/07/22 09:48 | 1       |

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

| Analyte                              | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 517    |           | 499 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 04:31 | 10      |
| Diesel Range Organics (Over C10-C28) | 4940   |           | 499 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 04:31 | 10      |
| Oil Range Organics (Over C28-C36)    | <499   | U         | 499 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 04:31 | 10      |
| Total TPH                            | 5460   |           | 499 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 04:31 | 10      |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 112       |           | 70 - 130 | 12/06/22 10:09 | 12/07/22 04:31 | 10      |
| o-Terphenyl    | 123       |           | 70 - 130 | 12/06/22 10:09 | 12/07/22 04:31 | 10      |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Client Sample ID: SB6-5FT

Lab Sample ID: 880-22243-19

Date Collected: 12/01/22 11:40

Matrix: Solid

Date Received: 12/02/22 10:16

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

| Analyte             | Result | Qualifier | RL    | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-------|-----|-------|---|----------------|----------------|---------|
| Benzene             | 0.257  |           | 0.200 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 07:33 | 100     |
| Toluene             | <0.200 | U         | 0.200 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 07:33 | 100     |
| Ethylbenzene        | <0.200 | U         | 0.200 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 07:33 | 100     |
| m-Xylene & p-Xylene | 0.680  |           | 0.401 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 07:33 | 100     |
| o-Xylene            | 1.34   |           | 0.200 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 07:33 | 100     |
| Xylenes, Total      | 2.02   |           | 0.401 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 07:33 | 100     |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 110       |           | 70 - 130 | 12/05/22 12:26 | 12/07/22 07:33 | 100     |
| 1,4-Difluorobenzene (Surr)  | 104       |           | 70 - 130 | 12/05/22 12:26 | 12/07/22 07:33 | 100     |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL    | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|-------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 2.28   |           | 0.401 |     | mg/Kg |   |          | 12/07/22 10:58 | 1       |

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

| Analyte   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|-----|-----|-------|---|----------|----------------|---------|
| Total TPH | 2960   |           | 499 |     | mg/Kg |   |          | 12/07/22 09:48 | 1       |

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

| Analyte                              | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <499   | U         | 499 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 00:24 | 10      |
| Diesel Range Organics (Over C10-C28) | 2960   |           | 499 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 00:24 | 10      |
| Oil Range Organics (Over C28-C36)    | <499   | U         | 499 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 00:24 | 10      |
| Total TPH                            | 2960   |           | 499 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 00:24 | 10      |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 105       |           | 70 - 130 | 12/06/22 10:09 | 12/07/22 00:24 | 10      |
| o-Terphenyl    | 114       |           | 70 - 130 | 12/06/22 10:09 | 12/07/22 00:24 | 10      |

Client Sample ID: SB6-10FT

Lab Sample ID: 880-22243-20

Date Collected: 12/01/22 11:50

Matrix: Solid

Date Received: 12/02/22 10:16

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

| Analyte             | Result | Qualifier | RL    | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.200 | U         | 0.200 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 07:53 | 100     |
| Toluene             | <0.200 | U         | 0.200 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 07:53 | 100     |
| Ethylbenzene        | <0.200 | U         | 0.200 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 07:53 | 100     |
| m-Xylene & p-Xylene | 0.748  |           | 0.401 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 07:53 | 100     |
| o-Xylene            | 1.29   |           | 0.200 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 07:53 | 100     |
| Xylenes, Total      | 2.04   |           | 0.401 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 07:53 | 100     |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 114       |           | 70 - 130 | 12/05/22 12:26 | 12/07/22 07:53 | 100     |
| 1,4-Difluorobenzene (Surr)  | 103       |           | 70 - 130 | 12/05/22 12:26 | 12/07/22 07:53 | 100     |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL    | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|-------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 2.04   |           | 0.401 |     | mg/Kg |   |          | 12/07/22 10:58 | 1       |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Client Sample ID: SB6-10FT

Lab Sample ID: 880-22243-20

Date Collected: 12/01/22 11:50

Matrix: Solid

Date Received: 12/02/22 10:16

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

| Analyte   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|-----|-----|-------|---|----------|----------------|---------|
| Total TPH | 2690   |           | 249 |     | mg/Kg |   |          | 12/07/22 09:48 | 1       |

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

| Analyte                              | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <249   | U         | 249 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 04:51 | 5       |
| Diesel Range Organics (Over C10-C28) | 2690   |           | 249 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 04:51 | 5       |
| Oil Range Organics (Over C28-C36)    | <249   | U         | 249 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 04:51 | 5       |
| Total TPH                            | 2690   |           | 249 |     | mg/Kg |   | 12/06/22 10:09 | 12/07/22 04:51 | 5       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 98        |           | 70 - 130 | 12/06/22 10:09 | 12/07/22 04:51 | 5       |
| o-Terphenyl    | 103       |           | 70 - 130 | 12/06/22 10:09 | 12/07/22 04:51 | 5       |

Client Sample ID: SB6-15FT

Lab Sample ID: 880-22243-21

Date Collected: 12/01/22 12:00

Matrix: Solid

Date Received: 12/02/22 10:16

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

| Analyte             | Result | Qualifier | RL    | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|--------|-----------|-------|-----|-------|---|----------------|----------------|---------|
| Benzene             | 0.700  |           | 0.100 |     | mg/Kg |   | 12/06/22 08:48 | 12/06/22 21:21 | 50      |
| Toluene             | <0.100 | U         | 0.100 |     | mg/Kg |   | 12/06/22 08:48 | 12/06/22 21:21 | 50      |
| Ethylbenzene        | 0.230  |           | 0.100 |     | mg/Kg |   | 12/06/22 08:48 | 12/06/22 21:21 | 50      |
| m-Xylene & p-Xylene | 1.35   |           | 0.200 |     | mg/Kg |   | 12/06/22 08:48 | 12/06/22 21:21 | 50      |
| o-Xylene            | <0.100 | U         | 0.100 |     | mg/Kg |   | 12/06/22 08:48 | 12/06/22 21:21 | 50      |
| Xylenes, Total      | 1.35   |           | 0.200 |     | mg/Kg |   | 12/06/22 08:48 | 12/06/22 21:21 | 50      |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 140       | S1+       | 70 - 130 | 12/06/22 08:48 | 12/06/22 21:21 | 50      |
| 1,4-Difluorobenzene (Surr)  | 132       | S1+       | 70 - 130 | 12/06/22 08:48 | 12/06/22 21:21 | 50      |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result | Qualifier | RL    | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|--------|-----------|-------|-----|-------|---|----------|----------------|---------|
| Total BTEX | 2.28   |           | 0.200 |     | mg/Kg |   |          | 12/07/22 10:58 | 1       |

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

| Analyte   | Result | Qualifier | RL  | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|-----|-----|-------|---|----------|----------------|---------|
| Total TPH | 2550   |           | 500 |     | mg/Kg |   |          | 12/07/22 09:45 | 1       |

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

| Analyte                              | Result | Qualifier | RL  | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|-----|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 520    |           | 500 |     | mg/Kg |   | 12/06/22 10:12 | 12/07/22 05:21 | 10      |
| Diesel Range Organics (Over C10-C28) | 2030   |           | 500 |     | mg/Kg |   | 12/06/22 10:12 | 12/07/22 05:21 | 10      |
| Oil Range Organics (Over C28-C36)    | <500   | U         | 500 |     | mg/Kg |   | 12/06/22 10:12 | 12/07/22 05:21 | 10      |
| Total TPH                            | 2550   |           | 500 |     | mg/Kg |   | 12/06/22 10:12 | 12/07/22 05:21 | 10      |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 49        | S1-       | 70 - 130 | 12/06/22 10:12 | 12/07/22 05:21 | 10      |
| o-Terphenyl    | 106       |           | 70 - 130 | 12/06/22 10:12 | 12/07/22 05:21 | 10      |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Client Sample ID: SB7-10FT

Lab Sample ID: 880-22243-22

Date Collected: 12/01/22 13:00

Matrix: Solid

Date Received: 12/02/22 10:16

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

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/06/22 11:32 | 12/07/22 03:20 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/06/22 11:32 | 12/07/22 03:20 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/06/22 11:32 | 12/07/22 03:20 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 12/06/22 11:32 | 12/07/22 03:20 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/06/22 11:32 | 12/07/22 03:20 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 12/06/22 11:32 | 12/07/22 03:20 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 89        |           | 70 - 130 | 12/06/22 11:32 | 12/07/22 03:20 | 1       |
| 1,4-Difluorobenzene (Surr)  | 115       |           | 70 - 130 | 12/06/22 11:32 | 12/07/22 03:20 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 12/07/22 10:39 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 12/07/22 09:45 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 12/06/22 10:12 | 12/06/22 21:24 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 12/06/22 10:12 | 12/06/22 21:24 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 12/06/22 10:12 | 12/06/22 21:24 | 1       |
| Total TPH                            | <49.9  | U         | 49.9 |     | mg/Kg |   | 12/06/22 10:12 | 12/06/22 21:24 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 133       | S1+       | 70 - 130 | 12/06/22 10:12 | 12/06/22 21:24 | 1       |
| o-Terphenyl    | 129       |           | 70 - 130 | 12/06/22 10:12 | 12/06/22 21:24 | 1       |

Client Sample ID: SB7-5FT

Lab Sample ID: 880-22243-23

Date Collected: 12/01/22 13:40

Matrix: Solid

Date Received: 12/02/22 10:16

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

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 12/07/22 09:16 | 12/07/22 13:03 | 1       |
| Toluene             | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 12/07/22 09:16 | 12/07/22 13:03 | 1       |
| Ethylbenzene        | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 12/07/22 09:16 | 12/07/22 13:03 | 1       |
| m-Xylene & p-Xylene | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 12/07/22 09:16 | 12/07/22 13:03 | 1       |
| o-Xylene            | <0.00201 | U         | 0.00201 |     | mg/Kg |   | 12/07/22 09:16 | 12/07/22 13:03 | 1       |
| Xylenes, Total      | <0.00402 | U         | 0.00402 |     | mg/Kg |   | 12/07/22 09:16 | 12/07/22 13:03 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 101       |           | 70 - 130 | 12/07/22 09:16 | 12/07/22 13:03 | 1       |
| 1,4-Difluorobenzene (Surr)  | 103       |           | 70 - 130 | 12/07/22 09:16 | 12/07/22 13:03 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U         | 0.00402 |     | mg/Kg |   |          | 12/07/22 13:57 | 1       |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Client Sample ID: SB7-5FT

Lab Sample ID: 880-22243-23

Date Collected: 12/01/22 13:40

Matrix: Solid

Date Received: 12/02/22 10:16

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <49.9  | U         | 49.9 |     | mg/Kg |   |          | 12/07/22 09:45 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9  | U         | 49.9 |     | mg/Kg |   | 12/06/22 10:12 | 12/06/22 22:28 | 1       |
| Diesel Range Organics (Over C10-C28) | <49.9  | U         | 49.9 |     | mg/Kg |   | 12/06/22 10:12 | 12/06/22 22:28 | 1       |
| Oil Range Organics (Over C28-C36)    | <49.9  | U         | 49.9 |     | mg/Kg |   | 12/06/22 10:12 | 12/06/22 22:28 | 1       |
| Total TPH                            | <49.9  | U         | 49.9 |     | mg/Kg |   | 12/06/22 10:12 | 12/06/22 22:28 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 117       |           | 70 - 130 | 12/06/22 10:12 | 12/06/22 22:28 | 1       |
| o-Terphenyl    | 118       |           | 70 - 130 | 12/06/22 10:12 | 12/06/22 22:28 | 1       |

Client Sample ID: SB7-15FT

Lab Sample ID: 880-22243-24

Date Collected: 12/01/22 14:00

Matrix: Solid

Date Received: 12/02/22 10:16

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

| Analyte             | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/07/22 09:16 | 12/07/22 16:57 | 1       |
| Toluene             | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/07/22 09:16 | 12/07/22 16:57 | 1       |
| Ethylbenzene        | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/07/22 09:16 | 12/07/22 16:57 | 1       |
| m-Xylene & p-Xylene | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 12/07/22 09:16 | 12/07/22 16:57 | 1       |
| o-Xylene            | <0.00199 | U         | 0.00199 |     | mg/Kg |   | 12/07/22 09:16 | 12/07/22 16:57 | 1       |
| Xylenes, Total      | <0.00398 | U         | 0.00398 |     | mg/Kg |   | 12/07/22 09:16 | 12/07/22 16:57 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 115       |           | 70 - 130 | 12/07/22 09:16 | 12/07/22 16:57 | 1       |
| 1,4-Difluorobenzene (Surr)  | 93        |           | 70 - 130 | 12/07/22 09:16 | 12/07/22 16:57 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U         | 0.00398 |     | mg/Kg |   |          | 12/08/22 09:37 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit  | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Total TPH | <50.0  | U         | 50.0 |     | mg/Kg |   |          | 12/07/22 09:45 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 50.0 |     | mg/Kg |   | 12/06/22 10:12 | 12/06/22 22:50 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 50.0 |     | mg/Kg |   | 12/06/22 10:12 | 12/06/22 22:50 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0  | U         | 50.0 |     | mg/Kg |   | 12/06/22 10:12 | 12/06/22 22:50 | 1       |
| Total TPH                            | <50.0  | U         | 50.0 |     | mg/Kg |   | 12/06/22 10:12 | 12/06/22 22:50 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 112       |           | 70 - 130 | 12/06/22 10:12 | 12/06/22 22:50 | 1       |
| o-Terphenyl    | 110       |           | 70 - 130 | 12/06/22 10:12 | 12/06/22 22:50 | 1       |

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## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Client Sample ID: Well #1

Lab Sample ID: 880-22243-25

Date Collected: 12/01/22 09:00

Matrix: Water

Date Received: 12/02/22 10:16

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

| Analyte             | Result | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Benzene             | <20.0  | U         | 20.0 |     | ug/L |   |          | 12/08/22 09:47 | 10      |
| Ethylbenzene        | <20.0  | U         | 20.0 |     | ug/L |   |          | 12/08/22 09:47 | 10      |
| Toluene             | <20.0  | U         | 20.0 |     | ug/L |   |          | 12/08/22 09:47 | 10      |
| Xylenes, Total      | <40.0  | U         | 40.0 |     | ug/L |   |          | 12/08/22 09:47 | 10      |
| m-Xylene & p-Xylene | <40.0  | U         | 40.0 |     | ug/L |   |          | 12/08/22 09:47 | 10      |
| o-Xylene            | <20.0  | U         | 20.0 |     | ug/L |   |          | 12/08/22 09:47 | 10      |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 80        |           | 70 - 130 |          | 12/08/22 09:47 | 10      |
| 1,4-Difluorobenzene (Surr)  | 108       |           | 70 - 130 |          | 12/08/22 09:47 | 10      |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result  | Qualifier | RL     | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------|---------|-----------|--------|-----|------|---|----------|----------------|---------|
| Total BTEX | <0.0400 | U         | 0.0400 |     | mg/L |   |          | 12/08/22 13:17 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Total TPH | 21.7   |           | 4.55 |     | mg/L |   |          | 12/08/22 10:49 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <4.55  | U         | 4.55 |     | mg/L |   | 12/07/22 16:41 | 12/08/22 06:56 | 1       |
| Diesel Range Organics (Over C10-C28) | 21.7   |           | 4.55 |     | mg/L |   | 12/07/22 16:41 | 12/08/22 06:56 | 1       |
| Oil Range Organics (Over C28-C36)    | <4.55  | U         | 4.55 |     | mg/L |   | 12/07/22 16:41 | 12/08/22 06:56 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 126       |           | 70 - 130 | 12/07/22 16:41 | 12/08/22 06:56 | 1       |
| o-Terphenyl    | 127       |           | 70 - 130 | 12/07/22 16:41 | 12/08/22 06:56 | 1       |

Client Sample ID: Well #1 DUP

Lab Sample ID: 880-22243-26

Date Collected: 12/01/22 09:00

Matrix: Water

Date Received: 12/02/22 10:16

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

| Analyte             | Result | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Benzene             | <20.0  | U         | 20.0 |     | ug/L |   |          | 12/08/22 10:08 | 10      |
| Ethylbenzene        | <20.0  | U         | 20.0 |     | ug/L |   |          | 12/08/22 10:08 | 10      |
| Toluene             | <20.0  | U         | 20.0 |     | ug/L |   |          | 12/08/22 10:08 | 10      |
| Xylenes, Total      | <40.0  | U         | 40.0 |     | ug/L |   |          | 12/08/22 10:08 | 10      |
| m-Xylene & p-Xylene | <40.0  | U         | 40.0 |     | ug/L |   |          | 12/08/22 10:08 | 10      |
| o-Xylene            | <20.0  | U         | 20.0 |     | ug/L |   |          | 12/08/22 10:08 | 10      |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 79        |           | 70 - 130 |          | 12/08/22 10:08 | 10      |
| 1,4-Difluorobenzene (Surr)  | 109       |           | 70 - 130 |          | 12/08/22 10:08 | 10      |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result  | Qualifier | RL     | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------|---------|-----------|--------|-----|------|---|----------|----------------|---------|
| Total BTEX | <0.0400 | U         | 0.0400 |     | mg/L |   |          | 12/08/22 13:17 | 1       |

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Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Client Sample ID: Well #1 DUP  
Date Collected: 12/01/22 09:00  
Date Received: 12/02/22 10:16

Lab Sample ID: 880-22243-26  
Matrix: Water

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)  |           |           |          |     |      |   |                |                |         |
|-----------------------------------------------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| Analyte                                                   | Result    | Qualifier | RL       | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
| Total TPH                                                 | 16.9      |           | 4.56     |     | mg/L |   |                | 12/08/22 10:49 | 1       |
| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) |           |           |          |     |      |   |                |                |         |
| Analyte                                                   | Result    | Qualifier | RL       | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
| Gasoline Range Organics (GRO)-C6-C10                      | <4.56     | U         | 4.56     |     | mg/L |   | 12/07/22 16:41 | 12/08/22 07:18 | 1       |
| Diesel Range Organics (Over C10-C28)                      | 16.9      |           | 4.56     |     | mg/L |   | 12/07/22 16:41 | 12/08/22 07:18 | 1       |
| Oil Range Organics (Over C28-C36)                         | <4.56     | U         | 4.56     |     | mg/L |   | 12/07/22 16:41 | 12/08/22 07:18 | 1       |
| Surrogate                                                 | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                                            | 128       |           | 70 - 130 |     |      |   | 12/07/22 16:41 | 12/08/22 07:18 | 1       |
| o-Terphenyl                                               | 130       |           | 70 - 130 |     |      |   | 12/07/22 16:41 | 12/08/22 07:18 | 1       |

## Surrogate Summary

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

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

Matrix: Solid

Prep Type: Total/NA

|                    |                        | Percent Surrogate Recovery (Acceptance Limits) |          |
|--------------------|------------------------|------------------------------------------------|----------|
| Lab Sample ID      | Client Sample ID       | BFB1                                           | DFBZ1    |
|                    |                        | (70-130)                                       | (70-130) |
| 880-22243-1        | SB2-5FT                | 94                                             | 102      |
| 880-22243-1 MS     | SB2-5FT                | 112                                            | 86       |
| 880-22243-1 MSD    | SB2-5FT                | 121                                            | 99       |
| 880-22243-2        | SB2-10FT               | 108                                            | 101      |
| 880-22243-3        | SB2-15FT               | 102                                            | 81       |
| 880-22243-4        | SB1-3FT                | 107                                            | 104      |
| 880-22243-5        | SB1-8FT                | 106                                            | 101      |
| 880-22243-6        | SB1-12FT               | 102                                            | 105      |
| 880-22243-7        | SB3-5FT                | 104                                            | 84       |
| 880-22243-8        | SB3-10FT               | 104                                            | 108      |
| 880-22243-9        | SB3-15FT               | 131 S1+                                        | 128      |
| 880-22243-10 - DL3 | SB3-17FT               | 132 S1+                                        | 89       |
| 880-22243-11       | SB4-5FT                | 120                                            | 100      |
| 880-22243-12       | SB4-9FT                | 126                                            | 103      |
| 880-22243-13       | SB4-DUP                | 118                                            | 111      |
| 880-22243-14       | SB4-15FT               | 110                                            | 106      |
| 880-22243-15       | SB5-3FT                | 114                                            | 100      |
| 880-22243-16       | SB5-10FT               | 106                                            | 108      |
| 880-22243-17       | SB5-15FT               | 102                                            | 112      |
| 880-22243-18       | SB5-18FT               | 116                                            | 123      |
| 880-22243-19       | SB6-5FT                | 110                                            | 104      |
| 880-22243-20       | SB6-10FT               | 114                                            | 103      |
| 880-22243-21       | SB6-15FT               | 140 S1+                                        | 132 S1+  |
| 880-22243-22       | SB7-10FT               | 89                                             | 115      |
| 880-22243-23       | SB7-5FT                | 101                                            | 103      |
| 880-22243-24       | SB7-15FT               | 115                                            | 93       |
| LCS 880-40641/1-A  | Lab Control Sample     | 97                                             | 111      |
| LCS 880-41030/1-A  | Lab Control Sample     | 123                                            | 108      |
| LCS 880-41031/1-A  | Lab Control Sample     | 116                                            | 111      |
| LCS 880-41160/1-A  | Lab Control Sample     | 76                                             | 107      |
| LCSD 880-40641/2-A | Lab Control Sample Dup | 96                                             | 116      |
| LCSD 880-41030/2-A | Lab Control Sample Dup | 106                                            | 105      |
| LCSD 880-41031/2-A | Lab Control Sample Dup | 125                                            | 97       |
| LCSD 880-41160/2-A | Lab Control Sample Dup | 80                                             | 99       |
| MB 880-40641/5-A   | Method Blank           | 82                                             | 100      |
| MB 880-41030/5-A   | Method Blank           | 88                                             | 98       |
| MB 880-41031/5-A   | Method Blank           | 87                                             | 97       |
| MB 880-41160/5-A   | Method Blank           | 67 S1-                                         | 103      |

## Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Water

Prep Type: Total/NA

|               |                  | Percent Surrogate Recovery (Acceptance Limits) |          |
|---------------|------------------|------------------------------------------------|----------|
| Lab Sample ID | Client Sample ID | BFB1                                           | DFBZ1    |
|               |                  | (70-130)                                       | (70-130) |
| 880-22243-25  | Well #1          | 80                                             | 108      |

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## Surrogate Summary

Client: Contango Resources LLC

Job ID: 880-22243-1

Project/Site: Colglazier

**Method: 8021B - Volatile Organic Compounds (GC) (Continued)****Matrix: Water****Prep Type: Total/NA**

## Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID     | Client Sample ID       | BFB1<br>(70-130) | DFBZ1<br>(70-130) |
|-------------------|------------------------|------------------|-------------------|
| 880-22243-26      | Well #1 DUP            | 79               | 109               |
| LCS 880-41281/32  | Lab Control Sample     | 84               | 106               |
| LCSD 880-41281/33 | Lab Control Sample Dup | 90               | 106               |
| MB 880-41242/5-A  | Method Blank           | 66 S1-           | 108               |
| MB 880-41281/37   | Method Blank           | 68 S1-           | 102               |

**Surrogate Legend**

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

**Method: 8015B NM - Diesel Range Organics (DRO) (GC)****Matrix: Solid****Prep Type: Total/NA**

## Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID      | Client Sample ID       | 1CO1<br>(70-130) | OTPH1<br>(70-130) |
|--------------------|------------------------|------------------|-------------------|
| 880-22243-1        | SB2-5FT                | 119              | 124               |
| 880-22243-1 MS     | SB2-5FT                | 98               | 90                |
| 880-22243-1 MSD    | SB2-5FT                | 99               | 91                |
| 880-22243-2        | SB2-10FT               | 105              | 112               |
| 880-22243-3        | SB2-15FT               | 110              | 117               |
| 880-22243-4        | SB1-3FT                | 110              | 116               |
| 880-22243-5        | SB1-8FT                | 85               | 92                |
| 880-22243-6        | SB1-12FT               | 107              | 109               |
| 880-22243-7        | SB3-5FT                | 118              | 126               |
| 880-22243-8        | SB3-10FT               | 89               | 89                |
| 880-22243-9        | SB3-15FT               | 83               | 89                |
| 880-22243-10       | SB3-17FT               | 110              | 108               |
| 880-22243-11       | SB4-5FT                | 119              | 124               |
| 880-22243-12       | SB4-9FT                | 108              | 106               |
| 880-22243-13       | SB4-DUP                | 120              | 124               |
| 880-22243-14       | SB4-15FT               | 124              | 123               |
| 880-22243-15       | SB5-3FT                | 100              | 105               |
| 880-22243-16       | SB5-10FT               | 104              | 106               |
| 880-22243-17       | SB5-15FT               | 102              | 110               |
| 880-22243-18       | SB5-18FT               | 112              | 123               |
| 880-22243-19       | SB6-5FT                | 105              | 114               |
| 880-22243-20       | SB6-10FT               | 98               | 103               |
| 880-22243-21       | SB6-15FT               | 49 S1-           | 106               |
| 880-22243-22       | SB7-10FT               | 133 S1+          | 129               |
| 880-22243-22 MS    | SB7-10FT               | 117              | 97                |
| 880-22243-22 MSD   | SB7-10FT               | 118              | 98                |
| 880-22243-23       | SB7-5FT                | 117              | 118               |
| 880-22243-24       | SB7-15FT               | 112              | 110               |
| LCS 880-41140/2-A  | Lab Control Sample     | 106              | 105               |
| LCS 880-41142/2-A  | Lab Control Sample     | 128              | 114               |
| LCS 880-41296/2-A  | Lab Control Sample     | 98               | 99                |
| LCSD 880-41140/3-A | Lab Control Sample Dup | 96               | 95                |
| LCSD 880-41142/3-A | Lab Control Sample Dup | 109              | 113               |
| LCSD 880-41296/3-A | Lab Control Sample Dup | 91               | 92                |
| MB 880-41140/1-A   | Method Blank           | 101              | 109               |

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## Surrogate Summary

Client: Contango Resources LLC

Job ID: 880-22243-1

Project/Site: Colglazier

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

Matrix: Solid

Prep Type: Total/NA

|                      |                  | Percent Surrogate Recovery (Acceptance Limits) |                   |
|----------------------|------------------|------------------------------------------------|-------------------|
| Lab Sample ID        | Client Sample ID | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| MB 880-41142/1-A     | Method Blank     | 109                                            | 110               |
| MB 880-41296/1-A     | Method Blank     | 105                                            | 143 S1+           |
| Surrogate Legend     |                  |                                                |                   |
| 1CO = 1-Chlorooctane |                  |                                                |                   |
| OTPH = o-Terphenyl   |                  |                                                |                   |

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

Matrix: Water

Prep Type: Total/NA

|                      |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|----------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID        | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-22243-25         | Well #1                | 126                                            | 127               |
| 880-22243-26         | Well #1 DUP            | 128                                            | 130               |
| LCS 880-41302/2-A    | Lab Control Sample     | 166 S1+                                        | 190 S1+           |
| LCSD 880-41302/3-A   | Lab Control Sample Dup | 177 S1+                                        | 203 S1+           |
| MB 880-41302/1-A     | Method Blank           | 122                                            | 145 S1+           |
| Surrogate Legend     |                        |                                                |                   |
| 1CO = 1-Chlorooctane |                        |                                                |                   |
| OTPH = o-Terphenyl   |                        |                                                |                   |

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## QC Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

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

Lab Sample ID: MB 880-40641/5-A

Matrix: Solid

Analysis Batch: 41222

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 40641

| Analyte             | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 11/29/22 09:16 | 12/07/22 11:40 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 11/29/22 09:16 | 12/07/22 11:40 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 11/29/22 09:16 | 12/07/22 11:40 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 11/29/22 09:16 | 12/07/22 11:40 | 1       |
| o-Xylene            | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 11/29/22 09:16 | 12/07/22 11:40 | 1       |
| Xylenes, Total      | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 11/29/22 09:16 | 12/07/22 11:40 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 82           |              | 70 - 130 | 11/29/22 09:16 | 12/07/22 11:40 | 1       |
| 1,4-Difluorobenzene (Surr)  | 100          |              | 70 - 130 | 11/29/22 09:16 | 12/07/22 11:40 | 1       |

Lab Sample ID: LCS 880-40641/1-A

Matrix: Solid

Analysis Batch: 41222

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 40641

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.100       | 0.09342    |               | mg/Kg |   | 93   | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.07983    |               | mg/Kg |   | 80   | 70 - 130    |
| Toluene             | 0.100       | 0.08359    |               | mg/Kg |   | 84   | 70 - 130    |
| m-Xylene & p-Xylene | 0.200       | 0.1630     |               | mg/Kg |   | 82   | 70 - 130    |
| o-Xylene            | 0.100       | 0.08217    |               | mg/Kg |   | 82   | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 97            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 111           |               | 70 - 130 |

Lab Sample ID: LCSD 880-40641/2-A

Matrix: Solid

Analysis Batch: 41222

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 40641

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene             | 0.100       | 0.1165      |                | mg/Kg |   | 117  | 70 - 130    | 22  | 35        |
| Ethylbenzene        | 0.100       | 0.09697     |                | mg/Kg |   | 97   | 70 - 130    | 19  | 35        |
| Toluene             | 0.100       | 0.09996     |                | mg/Kg |   | 100  | 70 - 130    | 18  | 35        |
| m-Xylene & p-Xylene | 0.200       | 0.1952      |                | mg/Kg |   | 98   | 70 - 130    | 18  | 35        |
| o-Xylene            | 0.100       | 0.09498     |                | mg/Kg |   | 95   | 70 - 130    | 14  | 35        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 96             |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 116            |                | 70 - 130 |

Lab Sample ID: MB 880-41030/5-A

Matrix: Solid

Analysis Batch: 41141

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41030

| Analyte      | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene      | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 12/05/22 12:11 | 12/06/22 13:29 | 1       |
| Ethylbenzene | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 12/05/22 12:11 | 12/06/22 13:29 | 1       |

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## QC Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

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

Lab Sample ID: MB 880-41030/5-A

Matrix: Solid

Analysis Batch: 41141

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41030

| Analyte             | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Toluene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 12/05/22 12:11 | 12/06/22 13:29 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 12/05/22 12:11 | 12/06/22 13:29 | 1       |
| o-Xylene            | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 12/05/22 12:11 | 12/06/22 13:29 | 1       |
| Xylenes, Total      | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 12/05/22 12:11 | 12/06/22 13:29 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 88           |              | 70 - 130 | 12/05/22 12:11 | 12/06/22 13:29 | 1       |
| 1,4-Difluorobenzene (Surr)  | 98           |              | 70 - 130 | 12/05/22 12:11 | 12/06/22 13:29 | 1       |

Lab Sample ID: LCS 880-41030/1-A

Matrix: Solid

Analysis Batch: 41141

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41030

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.100       | 0.1055     |               | mg/Kg |   | 106  | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.1093     |               | mg/Kg |   | 109  | 70 - 130    |
| Toluene             | 0.100       | 0.1031     |               | mg/Kg |   | 103  | 70 - 130    |
| m-Xylene & p-Xylene | 0.200       | 0.2342     |               | mg/Kg |   | 117  | 70 - 130    |
| o-Xylene            | 0.100       | 0.1182     |               | mg/Kg |   | 118  | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 123           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 108           |               | 70 - 130 |

Lab Sample ID: LCSD 880-41030/2-A

Matrix: Solid

Analysis Batch: 41141

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41030

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene             | 0.100       | 0.1118      |                | mg/Kg |   | 112  | 70 - 130    | 6   | 35        |
| Ethylbenzene        | 0.100       | 0.1055      |                | mg/Kg |   | 106  | 70 - 130    | 4   | 35        |
| Toluene             | 0.100       | 0.1045      |                | mg/Kg |   | 105  | 70 - 130    | 1   | 35        |
| m-Xylene & p-Xylene | 0.200       | 0.2194      |                | mg/Kg |   | 110  | 70 - 130    | 7   | 35        |
| o-Xylene            | 0.100       | 0.1078      |                | mg/Kg |   | 108  | 70 - 130    | 9   | 35        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 106            |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 105            |                | 70 - 130 |

Lab Sample ID: MB 880-41031/5-A

Matrix: Solid

Analysis Batch: 41141

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41031

| Analyte             | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 00:02 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 00:02 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 00:02 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 00:02 | 1       |

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## QC Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

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

Lab Sample ID: MB 880-41031/5-A

Matrix: Solid

Analysis Batch: 41141

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41031

| Analyte        | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| o-Xylene       | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 00:02 | 1       |
| Xylenes, Total | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 12/05/22 12:26 | 12/07/22 00:02 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 87           |              | 70 - 130 | 12/05/22 12:26 | 12/07/22 00:02 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97           |              | 70 - 130 | 12/05/22 12:26 | 12/07/22 00:02 | 1       |

Lab Sample ID: LCS 880-41031/1-A

Matrix: Solid

Analysis Batch: 41141

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41031

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.100       | 0.09875    |               | mg/Kg |   | 99   | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.1004     |               | mg/Kg |   | 100  | 70 - 130    |
| Toluene             | 0.100       | 0.09782    |               | mg/Kg |   | 98   | 70 - 130    |
| m-Xylene & p-Xylene | 0.200       | 0.2155     |               | mg/Kg |   | 108  | 70 - 130    |
| o-Xylene            | 0.100       | 0.1080     |               | mg/Kg |   | 108  | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 116           |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 111           |               | 70 - 130 |

Lab Sample ID: LCSD 880-41031/2-A

Matrix: Solid

Analysis Batch: 41141

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41031

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-------|
| Benzene             | 0.100       | 0.08923     |                | mg/Kg |   | 89   | 70 - 130    | 10  | 35    |
| Ethylbenzene        | 0.100       | 0.1018      |                | mg/Kg |   | 102  | 70 - 130    | 1   | 35    |
| Toluene             | 0.100       | 0.09459     |                | mg/Kg |   | 95   | 70 - 130    | 3   | 35    |
| m-Xylene & p-Xylene | 0.200       | 0.2203      |                | mg/Kg |   | 110  | 70 - 130    | 2   | 35    |
| o-Xylene            | 0.100       | 0.1101      |                | mg/Kg |   | 110  | 70 - 130    | 2   | 35    |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 125            |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 97             |                | 70 - 130 |

Lab Sample ID: 880-22243-1 MS

Matrix: Solid

Analysis Batch: 41141

Client Sample ID: SB2-5FT

Prep Type: Total/NA

Prep Batch: 41031

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Benzene             | <0.00201      | U F1             | 0.100       | 0.03981   | F1           | mg/Kg |   | 38   | 70 - 130    |
| Ethylbenzene        | 0.00291       | F1               | 0.100       | 0.06819   | F1           | mg/Kg |   | 65   | 70 - 130    |
| Toluene             | 0.00206       | F1               | 0.100       | 0.05374   | F1           | mg/Kg |   | 51   | 70 - 130    |
| m-Xylene & p-Xylene | 0.00624       | F1               | 0.201       | 0.1245    | F1           | mg/Kg |   | 59   | 70 - 130    |
| o-Xylene            | 0.00248       | F1               | 0.100       | 0.06299   | F1           | mg/Kg |   | 60   | 70 - 130    |

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## QC Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

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

Lab Sample ID: 880-22243-1 MS

Matrix: Solid

Analysis Batch: 41141

Client Sample ID: SB2-5FT

Prep Type: Total/NA

Prep Batch: 41031

|                             | MS        | MS        |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 112       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 86        |           | 70 - 130 |

Lab Sample ID: 880-22243-1 MSD

Matrix: Solid

Analysis Batch: 41141

Client Sample ID: SB2-5FT

Prep Type: Total/NA

Prep Batch: 41031

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Benzene             | <0.00201      | U F1             | 0.0990      | 0.04130    | F1            | mg/Kg |   | 40   | 70 - 130    | 4   | 35        |
| Ethylbenzene        | 0.00291       | F1               | 0.0990      | 0.05246    | F1            | mg/Kg |   | 50   | 70 - 130    | 26  | 35        |
| Toluene             | 0.00206       | F1               | 0.0990      | 0.04722    | F1            | mg/Kg |   | 46   | 70 - 130    | 13  | 35        |
| m-Xylene & p-Xylene | 0.00624       | F1               | 0.198       | 0.1122     | F1            | mg/Kg |   | 54   | 70 - 130    | 10  | 35        |
| o-Xylene            | 0.00248       | F1               | 0.0990      | 0.06021    | F1            | mg/Kg |   | 58   | 70 - 130    | 5   | 35        |

|                             | MSD       | MSD       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 121       |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 99        |           | 70 - 130 |

Lab Sample ID: MB 880-41160/5-A

Matrix: Solid

Analysis Batch: 41157

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41160

| Analyte             | MB Result | MB Qualifier | RL      | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 12/06/22 11:32 | 12/06/22 18:55 | 1       |
| Ethylbenzene        | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 12/06/22 11:32 | 12/06/22 18:55 | 1       |
| Toluene             | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 12/06/22 11:32 | 12/06/22 18:55 | 1       |
| m-Xylene & p-Xylene | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 12/06/22 11:32 | 12/06/22 18:55 | 1       |
| o-Xylene            | <0.00200  | U            | 0.00200 |     | mg/Kg |   | 12/06/22 11:32 | 12/06/22 18:55 | 1       |
| Xylenes, Total      | <0.00400  | U            | 0.00400 |     | mg/Kg |   | 12/06/22 11:32 | 12/06/22 18:55 | 1       |

|                             | MB        | MB        |          |                |                |         |  |  |  |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|--|--|--|
| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |  |  |  |
| 4-Bromofluorobenzene (Surr) | 67        | S1-       | 70 - 130 | 12/06/22 11:32 | 12/06/22 18:55 | 1       |  |  |  |
| 1,4-Difluorobenzene (Surr)  | 103       |           | 70 - 130 | 12/06/22 11:32 | 12/06/22 18:55 | 1       |  |  |  |

Lab Sample ID: LCS 880-41160/1-A

Matrix: Solid

Analysis Batch: 41157

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41160

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|-------|---|------|-------------|
| Benzene             | 0.100       | 0.09296    |               | mg/Kg |   | 93   | 70 - 130    |
| Ethylbenzene        | 0.100       | 0.09287    |               | mg/Kg |   | 93   | 70 - 130    |
| Toluene             | 0.100       | 0.09973    |               | mg/Kg |   | 100  | 70 - 130    |
| m-Xylene & p-Xylene | 0.200       | 0.1622     |               | mg/Kg |   | 81   | 70 - 130    |
| o-Xylene            | 0.100       | 0.07929    |               | mg/Kg |   | 79   | 70 - 130    |

|                             | LCS       | LCS       |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 76        |           | 70 - 130 |

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## QC Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

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

Lab Sample ID: LCS 880-41160/1-A

Matrix: Solid

Analysis Batch: 41157

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41160

|                            | LCS       | LCS       |          |
|----------------------------|-----------|-----------|----------|
| Surrogate                  | %Recovery | Qualifier | Limits   |
| 1,4-Difluorobenzene (Surr) | 107       |           | 70 - 130 |

Lab Sample ID: LCSD 880-41160/2-A

Matrix: Solid

Analysis Batch: 41157

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41160

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Benzene             | 0.100       | 0.08382     |                | mg/Kg |   | 84   | 70 - 130    | 10  | 35        |
| Ethylbenzene        | 0.100       | 0.09005     |                | mg/Kg |   | 90   | 70 - 130    | 3   | 35        |
| Toluene             | 0.100       | 0.09298     |                | mg/Kg |   | 93   | 70 - 130    | 7   | 35        |
| m-Xylene & p-Xylene | 0.200       | 0.1588      |                | mg/Kg |   | 79   | 70 - 130    | 2   | 35        |
| o-Xylene            | 0.100       | 0.07789     |                | mg/Kg |   | 78   | 70 - 130    | 2   | 35        |

|                             | LCSD      | LCSD      |          |
|-----------------------------|-----------|-----------|----------|
| Surrogate                   | %Recovery | Qualifier | Limits   |
| 4-Bromofluorobenzene (Surr) | 80        |           | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 99        |           | 70 - 130 |

Lab Sample ID: MB 880-41242/5-A

Matrix: Water

Analysis Batch: 41281

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41242

| Analyte             | MB Result | MB Qualifier | RL   | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|------|-----|------|---|----------------|----------------|---------|
| Benzene             | <2.00     | U            | 2.00 |     | ug/L |   | 12/07/22 10:10 | 12/07/22 19:41 | 1       |
| Ethylbenzene        | <2.00     | U            | 2.00 |     | ug/L |   | 12/07/22 10:10 | 12/07/22 19:41 | 1       |
| Toluene             | <2.00     | U            | 2.00 |     | ug/L |   | 12/07/22 10:10 | 12/07/22 19:41 | 1       |
| m-Xylene & p-Xylene | <4.00     | U            | 4.00 |     | ug/L |   | 12/07/22 10:10 | 12/07/22 19:41 | 1       |
| o-Xylene            | <2.00     | U            | 2.00 |     | ug/L |   | 12/07/22 10:10 | 12/07/22 19:41 | 1       |
| Xylenes, Total      | <4.00     | U            | 4.00 |     | ug/L |   | 12/07/22 10:10 | 12/07/22 19:41 | 1       |

|                             | MB        | MB        |          |  |  |  | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|--|--|--|----------------|----------------|---------|
| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  |                |                |         |
| 4-Bromofluorobenzene (Surr) | 66        | S1-       | 70 - 130 |  |  |  | 12/07/22 10:10 | 12/07/22 19:41 | 1       |
| 1,4-Difluorobenzene (Surr)  | 108       |           | 70 - 130 |  |  |  | 12/07/22 10:10 | 12/07/22 19:41 | 1       |

Lab Sample ID: MB 880-41281/37

Matrix: Water

Analysis Batch: 41281

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte             | MB Result | MB Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|------|-----|------|---|----------|----------------|---------|
| Benzene             | <2.00     | U            | 2.00 |     | ug/L |   |          | 12/08/22 06:35 | 1       |
| Ethylbenzene        | <2.00     | U            | 2.00 |     | ug/L |   |          | 12/08/22 06:35 | 1       |
| Toluene             | <2.00     | U            | 2.00 |     | ug/L |   |          | 12/08/22 06:35 | 1       |
| m-Xylene & p-Xylene | <4.00     | U            | 4.00 |     | ug/L |   |          | 12/08/22 06:35 | 1       |
| o-Xylene            | <2.00     | U            | 2.00 |     | ug/L |   |          | 12/08/22 06:35 | 1       |
| Xylenes, Total      | <4.00     | U            | 4.00 |     | ug/L |   |          | 12/08/22 06:35 | 1       |

|                             | MB        | MB        |          |  |  |  | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|--|--|--|----------|----------------|---------|
| Surrogate                   | %Recovery | Qualifier | Limits   |  |  |  |          |                |         |
| 4-Bromofluorobenzene (Surr) | 68        | S1-       | 70 - 130 |  |  |  |          | 12/08/22 06:35 | 1       |

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## QC Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

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

Lab Sample ID: MB 880-41281/37

Matrix: Water

Analysis Batch: 41281

Client Sample ID: Method Blank

Prep Type: Total/NA

| Surrogate                  | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|----------------------------|-----------------|-----------------|----------|----------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 102             |                 | 70 - 130 |          | 12/08/22 06:35 | 1       |

Lab Sample ID: LCS 880-41281/32

Matrix: Water

Analysis Batch: 41281

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte             | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|---------------------|----------------|---------------|------------------|------|---|------|----------------|
| Benzene             | 100            | 81.74         |                  | ug/L |   | 82   | 70 - 130       |
| Ethylbenzene        | 100            | 86.04         |                  | ug/L |   | 86   | 70 - 130       |
| Toluene             | 100            | 90.76         |                  | ug/L |   | 91   | 70 - 130       |
| m-Xylene & p-Xylene | 200            | 150.5         |                  | ug/L |   | 75   | 70 - 130       |
| o-Xylene            | 100            | 76.23         |                  | ug/L |   | 76   | 70 - 130       |

| Surrogate                   | LCS<br>%Recovery | LCS<br>Qualifier | Limits   |
|-----------------------------|------------------|------------------|----------|
| 4-Bromofluorobenzene (Surr) | 84               |                  | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 106              |                  | 70 - 130 |

Lab Sample ID: LCSD 880-41281/33

Matrix: Water

Analysis Batch: 41281

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte             | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|---------------------|----------------|----------------|-------------------|------|---|------|----------------|-----|--------------|
| Benzene             | 100            | 91.89          |                   | ug/L |   | 92   | 70 - 130       | 12  | 20           |
| Ethylbenzene        | 100            | 101.3          |                   | ug/L |   | 101  | 70 - 130       | 16  | 20           |
| Toluene             | 100            | 105.9          |                   | ug/L |   | 106  | 70 - 130       | 15  | 20           |
| m-Xylene & p-Xylene | 200            | 179.8          |                   | ug/L |   | 90   | 70 - 130       | 18  | 20           |
| o-Xylene            | 100            | 89.97          |                   | ug/L |   | 90   | 70 - 130       | 17  | 20           |

| Surrogate                   | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits   |
|-----------------------------|-------------------|-------------------|----------|
| 4-Bromofluorobenzene (Surr) | 90                |                   | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 106               |                   | 70 - 130 |

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

Lab Sample ID: MB 880-41140/1-A

Matrix: Solid

Analysis Batch: 41109

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41140

| Analyte                              | MB<br>Result | MB<br>Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------------|-----------------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0        | U               | 50.0 |     | mg/Kg |   | 12/06/22 10:09 | 12/06/22 20:21 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0        | U               | 50.0 |     | mg/Kg |   | 12/06/22 10:09 | 12/06/22 20:21 | 1       |
| Total TPH                            | <50.0        | U               | 50.0 |     | mg/Kg |   | 12/06/22 10:09 | 12/06/22 20:21 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0        | U               | 50.0 |     | mg/Kg |   | 12/06/22 10:09 | 12/06/22 20:21 | 1       |

| Surrogate      | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 101             |                 | 70 - 130 | 12/06/22 10:09 | 12/06/22 20:21 | 1       |

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## QC Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

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

Lab Sample ID: MB 880-41140/1-A

Matrix: Solid

Analysis Batch: 41109

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41140

| Surrogate   | MB<br>%Recovery | MB<br>Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-------------|-----------------|-----------------|----------|----------------|----------------|---------|
| o-Terphenyl | 109             |                 | 70 - 130 | 12/06/22 10:09 | 12/06/22 20:21 | 1       |

Lab Sample ID: LCS 880-41140/2-A

Matrix: Solid

Analysis Batch: 41109

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41140

|                                      |           |           | Spike    | LCS    | LCS       |       |   |      | %Rec     |  |  |
|--------------------------------------|-----------|-----------|----------|--------|-----------|-------|---|------|----------|--|--|
| Analyte                              |           |           | Added    | Result | Qualifier | Unit  | D | %Rec | Limits   |  |  |
| Gasoline Range Organics (GRO)-C6-C10 |           |           | 1000     | 894.0  |           | mg/Kg |   | 89   | 70 - 130 |  |  |
| Diesel Range Organics (Over C10-C28) |           |           | 1000     | 905.5  |           | mg/Kg |   | 91   | 70 - 130 |  |  |
|                                      |           |           |          |        |           |       |   |      |          |  |  |
| Surrogate                            | LCS       | LCS       |          |        |           |       |   |      |          |  |  |
|                                      | %Recovery | Qualifier | Limits   |        |           |       |   |      |          |  |  |
| 1-Chlorooctane                       | 106       |           | 70 - 130 |        |           |       |   |      |          |  |  |
| o-Terphenyl                          | 105       |           | 70 - 130 |        |           |       |   |      |          |  |  |

Lab Sample ID: LCSD 880-41140/3-A

Matrix: Solid

Analysis Batch: 41109

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41140

| Analyte                              |  |  | Spike | LCSD   | LCSD      | Unit  | D | %Rec   | %Rec     | RPD | RPD |
|--------------------------------------|--|--|-------|--------|-----------|-------|---|--------|----------|-----|-----|
|                                      |  |  | Added | Result | Qualifier |       |   | Limits | Limit    |     |     |
| Gasoline Range Organics (GRO)-C6-C10 |  |  | 1000  | 875.4  |           | mg/Kg |   | 88     | 70 - 130 | 2   | 20  |
| Diesel Range Organics (Over C10-C28) |  |  | 1000  | 880.4  |           | mg/Kg |   | 88     | 70 - 130 | 3   | 20  |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |
|                                      |  |  |       |        |           |       |   |        |          |     |     |

Lab Sample ID: 880-22243-1 MS

Matrix: Solid

Analysis Batch: 41109

Client Sample ID: SB2-5FT

Prep Type: Total/NA

Prep Batch: 41140

|                                      | Sample | Sample    | Spike | MS     | MS        |       |   |      | %Rec     |  |  |
|--------------------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|--|--|
| Analyte                              | Result | Qualifier | Added | Result | Qualifier | Unit  | D | %Rec | Limits   |  |  |
| Gasoline Range Organics (GRO)-C6-C10 | <50.0  | U         | 999   | 897.4  |           | mg/Kg |   | 90   | 70 - 130 |  |  |
| Diesel Range Organics (Over C10-C28) | <50.0  | U         | 999   | 728.2  |           | mg/Kg |   | 73   | 70 - 130 |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |
|                                      |        |           |       |        |           |       |   |      |          |  |  |

Eurofins Midland



## QC Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

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

Lab Sample ID: 880-22243-1 MSD

Matrix: Solid

Analysis Batch: 41109

Client Sample ID: SB2-5FT

Prep Type: Total/NA

Prep Batch: 41140

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0         | U                | 997         | 910.9      |               | mg/Kg |   | 91   | 70 - 130    | 1   | 20        |
| Diesel Range Organics (Over C10-C28) | <50.0         | U                | 997         | 737.0      |               | mg/Kg |   | 74   | 70 - 130    | 1   | 20        |
| Surrogate                            | MSD %Recovery | MSD Qualifier    | Limits      |            |               |       |   |      |             |     |           |
| 1-Chlorooctane                       | 99            |                  | 70 - 130    |            |               |       |   |      |             |     |           |
| o-Terphenyl                          | 91            |                  | 70 - 130    |            |               |       |   |      |             |     |           |

Lab Sample ID: MB 880-41142/1-A

Matrix: Solid

Analysis Batch: 41104

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41142

| Analyte                              | MB Result    | MB Qualifier | RL       | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------------|--------------|----------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0        | U            | 50.0     |     | mg/Kg |   | 12/06/22 10:12 | 12/06/22 20:18 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0        | U            | 50.0     |     | mg/Kg |   | 12/06/22 10:12 | 12/06/22 20:18 | 1       |
| Total TPH                            | <50.0        | U            | 50.0     |     | mg/Kg |   | 12/06/22 10:12 | 12/06/22 20:18 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0        | U            | 50.0     |     | mg/Kg |   | 12/06/22 10:12 | 12/06/22 20:18 | 1       |
| Surrogate                            | MB %Recovery | MB Qualifier | Limits   |     |       |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 109          |              | 70 - 130 |     |       |   | 12/06/22 10:12 | 12/06/22 20:18 | 1       |
| o-Terphenyl                          | 110          |              | 70 - 130 |     |       |   | 12/06/22 10:12 | 12/06/22 20:18 | 1       |

Lab Sample ID: LCS 880-41142/2-A

Matrix: Solid

Analysis Batch: 41104

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41142

| Analyte                              | Spike Added   | LCS Result    | LCS Qualifier | Unit  | D | %Rec | %Rec Limits |  |  |
|--------------------------------------|---------------|---------------|---------------|-------|---|------|-------------|--|--|
| Gasoline Range Organics (GRO)-C6-C10 | 1000          | 867.2         |               | mg/Kg |   | 87   | 70 - 130    |  |  |
| Diesel Range Organics (Over C10-C28) | 1000          | 841.6         |               | mg/Kg |   | 84   | 70 - 130    |  |  |
| Surrogate                            | LCS %Recovery | LCS Qualifier | Limits        |       |   |      |             |  |  |
| 1-Chlorooctane                       | 128           |               | 70 - 130      |       |   |      |             |  |  |
| o-Terphenyl                          | 114           |               | 70 - 130      |       |   |      |             |  |  |

Lab Sample ID: LCSD 880-41142/3-A

Matrix: Solid

Analysis Batch: 41104

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41142

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000        | 998.7       |                | mg/Kg |   | 100  | 70 - 130    | 14  | 20        |
| Diesel Range Organics (Over C10-C28) | 1000        | 841.9       |                | mg/Kg |   | 84   | 70 - 130    | 0   | 20        |

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## QC Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

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

Lab Sample ID: LCSD 880-41142/3-A

Matrix: Solid

Analysis Batch: 41104

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41142

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 109       |           | 70 - 130 |
| o-Terphenyl    | 113       |           | 70 - 130 |

Lab Sample ID: 880-22243-22 MS

Matrix: Solid

Analysis Batch: 41104

Client Sample ID: SB7-10FT

Prep Type: Total/NA

Prep Batch: 41142

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit  | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9         | U                | 999         | 853.6     |              | mg/Kg |   | 83   | 70 - 130    |
| Diesel Range Organics (Over C10-C28) | <49.9         | U                | 999         | 902.6     |              | mg/Kg |   | 90   | 70 - 130    |

| Surrogate      | MS %Recovery | MS Qualifier | Limits   |
|----------------|--------------|--------------|----------|
| 1-Chlorooctane | 117          |              | 70 - 130 |
| o-Terphenyl    | 97           |              | 70 - 130 |

Lab Sample ID: 880-22243-22 MSD

Matrix: Solid

Analysis Batch: 41104

Client Sample ID: SB7-10FT

Prep Type: Total/NA

Prep Batch: 41142

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit  | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <49.9         | U                | 997         | 822.8      |               | mg/Kg |   | 80   | 70 - 130    | 4   | 20        |
| Diesel Range Organics (Over C10-C28) | <49.9         | U                | 997         | 918.3      |               | mg/Kg |   | 92   | 70 - 130    | 2   | 20        |

| Surrogate      | MSD %Recovery | MSD Qualifier | Limits   |
|----------------|---------------|---------------|----------|
| 1-Chlorooctane | 118           |               | 70 - 130 |
| o-Terphenyl    | 98            |               | 70 - 130 |

Lab Sample ID: MB 880-41296/1-A

Matrix: Solid

Analysis Batch: 41416

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41296

| Analyte                              | MB Result | MB Qualifier | RL   | MDL | Unit  | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|-----|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0     | U            | 50.0 |     | mg/Kg |   | 12/07/22 15:26 | 12/09/22 20:40 | 1       |
| Diesel Range Organics (Over C10-C28) | <50.0     | U            | 50.0 |     | mg/Kg |   | 12/07/22 15:26 | 12/09/22 20:40 | 1       |
| Total TPH                            | <50.0     | U            | 50.0 |     | mg/Kg |   | 12/07/22 15:26 | 12/09/22 20:40 | 1       |
| Oil Range Organics (Over C28-C36)    | <50.0     | U            | 50.0 |     | mg/Kg |   | 12/07/22 15:26 | 12/09/22 20:40 | 1       |

| Surrogate      | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 105          |              | 70 - 130 | 12/07/22 15:26 | 12/09/22 20:40 | 1       |
| o-Terphenyl    | 143          | S1+          | 70 - 130 | 12/07/22 15:26 | 12/09/22 20:40 | 1       |

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## QC Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

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

Lab Sample ID: LCS 880-41296/2-A

Matrix: Solid

Analysis Batch: 41416

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41296

| Analyte                              |  |  | Spike | LCS    | LCS       | Unit  | D | %Rec   | %Rec   |          |  |
|--------------------------------------|--|--|-------|--------|-----------|-------|---|--------|--------|----------|--|
|                                      |  |  | Added | Result | Qualifier |       |   | Limits | Limits |          |  |
| Gasoline Range Organics (GRO)-C6-C10 |  |  | 1000  | 886.7  |           | mg/Kg |   | 89     |        | 70 - 130 |  |
| Diesel Range Organics (Over C10-C28) |  |  | 1000  | 910.5  |           | mg/Kg |   | 91     |        | 70 - 130 |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
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|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
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|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
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|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |
|                                      |  |  |       |        |           |       |   |        |        |          |  |

Lab Sample ID: LCSD 880-41296/3-A

Matrix: Solid

Analysis Batch: 41416

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41296

| Report Data - 11/15                     |                   |                   |                |                |                   |       |   |      |                |     |              |
|-----------------------------------------|-------------------|-------------------|----------------|----------------|-------------------|-------|---|------|----------------|-----|--------------|
| Analyte                                 |                   |                   | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit  | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
| Gasoline Range Organics<br>(GRO)-C6-C10 |                   |                   | 1000           | 869.4          |                   | mg/Kg |   | 87   | 70 - 130       | 2   | 20           |
| Diesel Range Organics (Over<br>C10-C28) |                   |                   | 1000           | 862.9          |                   | mg/Kg |   | 86   | 70 - 130       | 5   | 20           |
| Surrogate                               | LCSD<br>%Recovery | LCSD<br>Qualifier | Limits         |                |                   |       |   |      |                |     |              |
| 1-Chlorooctane                          | 91                |                   | 70 - 130       |                |                   |       |   |      |                |     |              |
| o-Terphenyl                             | 92                |                   | 70 - 130       |                |                   |       |   |      |                |     |              |

Lab Sample ID: MB 880-41302/1-A

Matrix: Water

Analysis Batch: 41218

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41302

| Analyte                              | MB        | MB        | RL       | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
|                                      | Result    | Qualifier |          |     |      |   |                |                |         |
| Gasoline Range Organics (GRO)-C6-C10 | <4.55     | U         | 4.55     |     | mg/L |   | 12/07/22 16:41 | 12/08/22 05:41 | 1       |
| Diesel Range Organics (Over C10-C28) | <4.55     | U         | 4.55     |     | mg/L |   | 12/07/22 16:41 | 12/08/22 05:41 | 1       |
| Oil Range Organics (Over C28-C36)    | <4.55     | U         | 4.55     |     | mg/L |   | 12/07/22 16:41 | 12/08/22 05:41 | 1       |
| Surrogate                            | MB        | MB        | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
|                                      | %Recovery | Qualifier |          |     |      |   |                |                |         |
| 1-Chlorooctane                       | 122       |           | 70 - 130 |     |      |   | 12/07/22 16:41 | 12/08/22 05:41 | 1       |
| o-Terphenyl                          | 145       | S1+       | 70 - 130 |     |      |   | 12/07/22 16:41 | 12/08/22 05:41 | 1       |

Lab Sample ID: LCS 880-41302/2-A

Matrix: Water

Analysis Batch: 41218

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41302

| Analyte                              | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------------------------|-------------|------------|---------------|------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 90.4        | 82.45      |               | mg/L |   | 91   | 75 - 125    |
| Diesel Range Organics (Over C10-C28) | 90.4        | 93.86      |               | mg/L |   | 104  | 75 - 125    |

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## QC Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

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

Lab Sample ID: LCS 880-41302/2-A

Matrix: Water

Analysis Batch: 41218

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41302

|                | LCS       | LCS       |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 166       | S1+       | 70 - 130 |
| o-Terphenyl    | 190       | S1+       | 70 - 130 |

Lab Sample ID: LCSD 880-41302/3-A

Matrix: Water

Analysis Batch: 41218

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41302

| Analyte                              | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 90.6        | 82.74       |                | mg/L |   | 91   | 75 - 125    | 0   | 20        |
| Diesel Range Organics (Over C10-C28) | 90.6        | 99.82       |                | mg/L |   | 110  | 75 - 125    | 6   | 20        |

|                | LCSD      | LCSD      |          |
|----------------|-----------|-----------|----------|
| Surrogate      | %Recovery | Qualifier | Limits   |
| 1-Chlorooctane | 177       | S1+       | 70 - 130 |
| o-Terphenyl    | 203       | S1+       | 70 - 130 |



## QC Association Summary

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

## GC VOA

## Prep Batch: 40641

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-22243-23       | SB7-5FT                | Total/NA  | Solid  | 5035   |            |
| 880-22243-24       | SB7-15FT               | Total/NA  | Solid  | 5035   |            |
| MB 880-40641/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-40641/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-40641/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 41030

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-22243-21       | SB6-15FT               | Total/NA  | Solid  | 5035   |            |
| MB 880-41030/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-41030/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-41030/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |

## Prep Batch: 41031

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-22243-1        | SB2-5FT                | Total/NA  | Solid  | 5035   |            |
| 880-22243-2        | SB2-10FT               | Total/NA  | Solid  | 5035   |            |
| 880-22243-3        | SB2-15FT               | Total/NA  | Solid  | 5035   |            |
| 880-22243-4        | SB1-3FT                | Total/NA  | Solid  | 5035   |            |
| 880-22243-5        | SB1-8FT                | Total/NA  | Solid  | 5035   |            |
| 880-22243-6        | SB1-12FT               | Total/NA  | Solid  | 5035   |            |
| 880-22243-7        | SB3-5FT                | Total/NA  | Solid  | 5035   |            |
| 880-22243-8        | SB3-10FT               | Total/NA  | Solid  | 5035   |            |
| 880-22243-9        | SB3-15FT               | Total/NA  | Solid  | 5035   |            |
| 880-22243-10 - DL3 | SB3-17FT               | Total/NA  | Solid  | 5035   |            |
| 880-22243-11       | SB4-5FT                | Total/NA  | Solid  | 5035   |            |
| 880-22243-12       | SB4-9FT                | Total/NA  | Solid  | 5035   |            |
| 880-22243-13       | SB4-DUP                | Total/NA  | Solid  | 5035   |            |
| 880-22243-14       | SB4-15FT               | Total/NA  | Solid  | 5035   |            |
| 880-22243-15       | SB5-3FT                | Total/NA  | Solid  | 5035   |            |
| 880-22243-16       | SB5-10FT               | Total/NA  | Solid  | 5035   |            |
| 880-22243-17       | SB5-15FT               | Total/NA  | Solid  | 5035   |            |
| 880-22243-18       | SB5-18FT               | Total/NA  | Solid  | 5035   |            |
| 880-22243-19       | SB6-5FT                | Total/NA  | Solid  | 5035   |            |
| 880-22243-20       | SB6-10FT               | Total/NA  | Solid  | 5035   |            |
| MB 880-41031/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-41031/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-41031/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |
| 880-22243-1 MS     | SB2-5FT                | Total/NA  | Solid  | 5035   |            |
| 880-22243-1 MSD    | SB2-5FT                | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 41141

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|--------|------------|
| 880-22243-1   | SB2-5FT          | Total/NA  | Solid  | 8021B  | 41031      |
| 880-22243-2   | SB2-10FT         | Total/NA  | Solid  | 8021B  | 41031      |
| 880-22243-3   | SB2-15FT         | Total/NA  | Solid  | 8021B  | 41031      |
| 880-22243-4   | SB1-3FT          | Total/NA  | Solid  | 8021B  | 41031      |
| 880-22243-5   | SB1-8FT          | Total/NA  | Solid  | 8021B  | 41031      |
| 880-22243-6   | SB1-12FT         | Total/NA  | Solid  | 8021B  | 41031      |
| 880-22243-7   | SB3-5FT          | Total/NA  | Solid  | 8021B  | 41031      |
| 880-22243-8   | SB3-10FT         | Total/NA  | Solid  | 8021B  | 41031      |

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## QC Association Summary

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

## GC VOA (Continued)

## Analysis Batch: 41141 (Continued)

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-22243-9        | SB3-15FT               | Total/NA  | Solid  | 8021B  | 41031      |
| 880-22243-10 - DL3 | SB3-17FT               | Total/NA  | Solid  | 8021B  | 41031      |
| 880-22243-11       | SB4-5FT                | Total/NA  | Solid  | 8021B  | 41031      |
| 880-22243-12       | SB4-9FT                | Total/NA  | Solid  | 8021B  | 41031      |
| 880-22243-13       | SB4-DUP                | Total/NA  | Solid  | 8021B  | 41031      |
| 880-22243-14       | SB4-15FT               | Total/NA  | Solid  | 8021B  | 41031      |
| 880-22243-15       | SB5-3FT                | Total/NA  | Solid  | 8021B  | 41031      |
| 880-22243-16       | SB5-10FT               | Total/NA  | Solid  | 8021B  | 41031      |
| 880-22243-17       | SB5-15FT               | Total/NA  | Solid  | 8021B  | 41031      |
| 880-22243-18       | SB5-18FT               | Total/NA  | Solid  | 8021B  | 41031      |
| 880-22243-19       | SB6-5FT                | Total/NA  | Solid  | 8021B  | 41031      |
| 880-22243-20       | SB6-10FT               | Total/NA  | Solid  | 8021B  | 41031      |
| 880-22243-21       | SB6-15FT               | Total/NA  | Solid  | 8021B  | 41030      |
| MB 880-41030/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 41030      |
| MB 880-41031/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 41031      |
| LCS 880-41030/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 41030      |
| LCS 880-41031/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 41031      |
| LCSD 880-41030/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 41030      |
| LCSD 880-41031/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 41031      |
| 880-22243-1 MS     | SB2-5FT                | Total/NA  | Solid  | 8021B  | 41031      |
| 880-22243-1 MSD    | SB2-5FT                | Total/NA  | Solid  | 8021B  | 41031      |

## Analysis Batch: 41157

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-22243-22       | SB7-10FT               | Total/NA  | Solid  | 8021B  | 41160      |
| MB 880-41160/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 41160      |
| LCS 880-41160/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 41160      |
| LCSD 880-41160/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 41160      |

## Prep Batch: 41160

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-22243-22       | SB7-10FT               | Total/NA  | Solid  | 5035   |            |
| MB 880-41160/5-A   | Method Blank           | Total/NA  | Solid  | 5035   |            |
| LCS 880-41160/1-A  | Lab Control Sample     | Total/NA  | Solid  | 5035   |            |
| LCSD 880-41160/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 5035   |            |

## Analysis Batch: 41222

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-22243-23       | SB7-5FT                | Total/NA  | Solid  | 8021B  | 40641      |
| 880-22243-24       | SB7-15FT               | Total/NA  | Solid  | 8021B  | 40641      |
| MB 880-40641/5-A   | Method Blank           | Total/NA  | Solid  | 8021B  | 40641      |
| LCS 880-40641/1-A  | Lab Control Sample     | Total/NA  | Solid  | 8021B  | 40641      |
| LCSD 880-40641/2-A | Lab Control Sample Dup | Total/NA  | Solid  | 8021B  | 40641      |

## Prep Batch: 41242

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| MB 880-41242/5-A | Method Blank     | Total/NA  | Water  | 5035   |            |

## Analysis Batch: 41263

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-22243-1   | SB2-5FT          | Total/NA  | Solid  | Total BTEX |            |

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## QC Association Summary

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

## GC VOA (Continued)

## Analysis Batch: 41263 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-22243-2   | SB2-10FT         | Total/NA  | Solid  | Total BTEX |            |
| 880-22243-3   | SB2-15FT         | Total/NA  | Solid  | Total BTEX |            |
| 880-22243-4   | SB1-3FT          | Total/NA  | Solid  | Total BTEX |            |
| 880-22243-5   | SB1-8FT          | Total/NA  | Solid  | Total BTEX |            |
| 880-22243-6   | SB1-12FT         | Total/NA  | Solid  | Total BTEX |            |
| 880-22243-7   | SB3-5FT          | Total/NA  | Solid  | Total BTEX |            |
| 880-22243-8   | SB3-10FT         | Total/NA  | Solid  | Total BTEX |            |
| 880-22243-9   | SB3-15FT         | Total/NA  | Solid  | Total BTEX |            |
| 880-22243-10  | SB3-17FT         | Total/NA  | Solid  | Total BTEX |            |
| 880-22243-11  | SB4-5FT          | Total/NA  | Solid  | Total BTEX |            |
| 880-22243-12  | SB4-9FT          | Total/NA  | Solid  | Total BTEX |            |
| 880-22243-13  | SB4-DUP          | Total/NA  | Solid  | Total BTEX |            |
| 880-22243-14  | SB4-15FT         | Total/NA  | Solid  | Total BTEX |            |
| 880-22243-15  | SB5-3FT          | Total/NA  | Solid  | Total BTEX |            |
| 880-22243-16  | SB5-10FT         | Total/NA  | Solid  | Total BTEX |            |
| 880-22243-17  | SB5-15FT         | Total/NA  | Solid  | Total BTEX |            |
| 880-22243-18  | SB5-18FT         | Total/NA  | Solid  | Total BTEX |            |
| 880-22243-19  | SB6-5FT          | Total/NA  | Solid  | Total BTEX |            |
| 880-22243-20  | SB6-10FT         | Total/NA  | Solid  | Total BTEX |            |
| 880-22243-21  | SB6-15FT         | Total/NA  | Solid  | Total BTEX |            |
| 880-22243-22  | SB7-10FT         | Total/NA  | Solid  | Total BTEX |            |
| 880-22243-23  | SB7-5FT          | Total/NA  | Solid  | Total BTEX |            |
| 880-22243-24  | SB7-15FT         | Total/NA  | Solid  | Total BTEX |            |
| 880-22243-25  | Well #1          | Total/NA  | Water  | Total BTEX |            |
| 880-22243-26  | Well #1 DUP      | Total/NA  | Water  | Total BTEX |            |

## Analysis Batch: 41281

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-22243-25      | Well #1                | Total/NA  | Water  | 8021B  |            |
| 880-22243-26      | Well #1 DUP            | Total/NA  | Water  | 8021B  |            |
| MB 880-41242/5-A  | Method Blank           | Total/NA  | Water  | 8021B  | 41242      |
| MB 880-41281/37   | Method Blank           | Total/NA  | Water  | 8021B  |            |
| LCS 880-41281/32  | Lab Control Sample     | Total/NA  | Water  | 8021B  |            |
| LCSD 880-41281/33 | Lab Control Sample Dup | Total/NA  | Water  | 8021B  |            |

## GC Semi VOA

## Analysis Batch: 41104

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-22243-21       | SB6-15FT               | Total/NA  | Solid  | 8015B NM | 41142      |
| 880-22243-22       | SB7-10FT               | Total/NA  | Solid  | 8015B NM | 41142      |
| 880-22243-23       | SB7-5FT                | Total/NA  | Solid  | 8015B NM | 41142      |
| 880-22243-24       | SB7-15FT               | Total/NA  | Solid  | 8015B NM | 41142      |
| MB 880-41142/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 41142      |
| LCS 880-41142/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 41142      |
| LCSD 880-41142/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 41142      |
| 880-22243-22 MS    | SB7-10FT               | Total/NA  | Solid  | 8015B NM | 41142      |
| 880-22243-22 MSD   | SB7-10FT               | Total/NA  | Solid  | 8015B NM | 41142      |

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## QC Association Summary

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

## GC Semi VOA

## Analysis Batch: 41109

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-22243-1        | SB2-5FT                | Total/NA  | Solid  | 8015B NM | 41140      |
| 880-22243-2        | SB2-10FT               | Total/NA  | Solid  | 8015B NM | 41140      |
| 880-22243-3        | SB2-15FT               | Total/NA  | Solid  | 8015B NM | 41140      |
| 880-22243-4        | SB1-3FT                | Total/NA  | Solid  | 8015B NM | 41140      |
| 880-22243-5        | SB1-8FT                | Total/NA  | Solid  | 8015B NM | 41140      |
| 880-22243-6        | SB1-12FT               | Total/NA  | Solid  | 8015B NM | 41140      |
| 880-22243-7        | SB3-5FT                | Total/NA  | Solid  | 8015B NM | 41140      |
| 880-22243-8        | SB3-10FT               | Total/NA  | Solid  | 8015B NM | 41140      |
| 880-22243-9        | SB3-15FT               | Total/NA  | Solid  | 8015B NM | 41140      |
| 880-22243-10       | SB3-17FT               | Total/NA  | Solid  | 8015B NM | 41140      |
| 880-22243-11       | SB4-5FT                | Total/NA  | Solid  | 8015B NM | 41140      |
| 880-22243-12       | SB4-9FT                | Total/NA  | Solid  | 8015B NM | 41140      |
| 880-22243-13       | SB4-DUP                | Total/NA  | Solid  | 8015B NM | 41140      |
| 880-22243-14       | SB4-15FT               | Total/NA  | Solid  | 8015B NM | 41140      |
| 880-22243-15       | SB5-3FT                | Total/NA  | Solid  | 8015B NM | 41140      |
| 880-22243-16       | SB5-10FT               | Total/NA  | Solid  | 8015B NM | 41140      |
| 880-22243-17       | SB5-15FT               | Total/NA  | Solid  | 8015B NM | 41140      |
| 880-22243-18       | SB5-18FT               | Total/NA  | Solid  | 8015B NM | 41140      |
| 880-22243-19       | SB6-5FT                | Total/NA  | Solid  | 8015B NM | 41140      |
| 880-22243-20       | SB6-10FT               | Total/NA  | Solid  | 8015B NM | 41140      |
| MB 880-41140/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 41140      |
| LCS 880-41140/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 41140      |
| LCSD 880-41140/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 41140      |
| 880-22243-1 MS     | SB2-5FT                | Total/NA  | Solid  | 8015B NM | 41140      |
| 880-22243-1 MSD    | SB2-5FT                | Total/NA  | Solid  | 8015B NM | 41140      |

## Prep Batch: 41140

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-22243-1        | SB2-5FT                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-22243-2        | SB2-10FT               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-22243-3        | SB2-15FT               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-22243-4        | SB1-3FT                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-22243-5        | SB1-8FT                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-22243-6        | SB1-12FT               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-22243-7        | SB3-5FT                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-22243-8        | SB3-10FT               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-22243-9        | SB3-15FT               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-22243-10       | SB3-17FT               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-22243-11       | SB4-5FT                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-22243-12       | SB4-9FT                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-22243-13       | SB4-DUP                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-22243-14       | SB4-15FT               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-22243-15       | SB5-3FT                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-22243-16       | SB5-10FT               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-22243-17       | SB5-15FT               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-22243-18       | SB5-18FT               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-22243-19       | SB6-5FT                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-22243-20       | SB6-10FT               | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-41140/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-41140/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-41140/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |

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## QC Association Summary

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

## GC Semi VOA (Continued)

## Prep Batch: 41140 (Continued)

| Lab Sample ID   | Client Sample ID | Prep Type | Matrix | Method      | Prep Batch |
|-----------------|------------------|-----------|--------|-------------|------------|
| 880-22243-1 MS  | SB2-5FT          | Total/NA  | Solid  | 8015NM Prep |            |
| 880-22243-1 MSD | SB2-5FT          | Total/NA  | Solid  | 8015NM Prep |            |

## Prep Batch: 41142

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-22243-21       | SB6-15FT               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-22243-22       | SB7-10FT               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-22243-23       | SB7-5FT                | Total/NA  | Solid  | 8015NM Prep |            |
| 880-22243-24       | SB7-15FT               | Total/NA  | Solid  | 8015NM Prep |            |
| MB 880-41142/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-41142/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-41142/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |
| 880-22243-22 MS    | SB7-10FT               | Total/NA  | Solid  | 8015NM Prep |            |
| 880-22243-22 MSD   | SB7-10FT               | Total/NA  | Solid  | 8015NM Prep |            |

## Analysis Batch: 41216

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 880-22243-25  | Well #1          | Total/NA  | Water  | 8015B NM | 41302      |
| 880-22243-26  | Well #1 DUP      | Total/NA  | Water  | 8015B NM | 41302      |

## Analysis Batch: 41218

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| MB 880-41302/1-A   | Method Blank           | Total/NA  | Water  | 8015B NM | 41302      |
| LCS 880-41302/2-A  | Lab Control Sample     | Total/NA  | Water  | 8015B NM | 41302      |
| LCSD 880-41302/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8015B NM | 41302      |

## Analysis Batch: 41232

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-22243-1   | SB2-5FT          | Total/NA  | Solid  | 8015 NM |            |
| 880-22243-2   | SB2-10FT         | Total/NA  | Solid  | 8015 NM |            |
| 880-22243-3   | SB2-15FT         | Total/NA  | Solid  | 8015 NM |            |
| 880-22243-4   | SB1-3FT          | Total/NA  | Solid  | 8015 NM |            |
| 880-22243-5   | SB1-8FT          | Total/NA  | Solid  | 8015 NM |            |
| 880-22243-6   | SB1-12FT         | Total/NA  | Solid  | 8015 NM |            |
| 880-22243-7   | SB3-5FT          | Total/NA  | Solid  | 8015 NM |            |
| 880-22243-8   | SB3-10FT         | Total/NA  | Solid  | 8015 NM |            |
| 880-22243-9   | SB3-15FT         | Total/NA  | Solid  | 8015 NM |            |
| 880-22243-10  | SB3-17FT         | Total/NA  | Solid  | 8015 NM |            |
| 880-22243-11  | SB4-5FT          | Total/NA  | Solid  | 8015 NM |            |
| 880-22243-12  | SB4-9FT          | Total/NA  | Solid  | 8015 NM |            |
| 880-22243-13  | SB4-DUP          | Total/NA  | Solid  | 8015 NM |            |
| 880-22243-14  | SB4-15FT         | Total/NA  | Solid  | 8015 NM |            |
| 880-22243-15  | SB5-3FT          | Total/NA  | Solid  | 8015 NM |            |
| 880-22243-16  | SB5-10FT         | Total/NA  | Solid  | 8015 NM |            |
| 880-22243-17  | SB5-15FT         | Total/NA  | Solid  | 8015 NM |            |
| 880-22243-18  | SB5-18FT         | Total/NA  | Solid  | 8015 NM |            |
| 880-22243-19  | SB6-5FT          | Total/NA  | Solid  | 8015 NM |            |
| 880-22243-20  | SB6-10FT         | Total/NA  | Solid  | 8015 NM |            |
| 880-22243-21  | SB6-15FT         | Total/NA  | Solid  | 8015 NM |            |
| 880-22243-22  | SB7-10FT         | Total/NA  | Solid  | 8015 NM |            |
| 880-22243-23  | SB7-5FT          | Total/NA  | Solid  | 8015 NM |            |

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## QC Association Summary

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

## GC Semi VOA (Continued)

## Analysis Batch: 41232 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-22243-24  | SB7-15FT         | Total/NA  | Solid  | 8015 NM |            |
| 880-22243-25  | Well #1          | Total/NA  | Water  | 8015 NM |            |
| 880-22243-26  | Well #1 DUP      | Total/NA  | Water  | 8015 NM |            |

## Prep Batch: 41296

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method      | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| MB 880-41296/1-A   | Method Blank           | Total/NA  | Solid  | 8015NM Prep |            |
| LCS 880-41296/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015NM Prep |            |
| LCSD 880-41296/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015NM Prep |            |

## Prep Batch: 41302

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method         | Prep Batch |
|--------------------|------------------------|-----------|--------|----------------|------------|
| 880-22243-25       | Well #1                | Total/NA  | Water  | 8015NM Aq Prep |            |
| 880-22243-26       | Well #1 DUP            | Total/NA  | Water  | 8015NM Aq Prep |            |
| MB 880-41302/1-A   | Method Blank           | Total/NA  | Water  | 8015NM Aq Prep |            |
| LCS 880-41302/2-A  | Lab Control Sample     | Total/NA  | Water  | 8015NM Aq Prep |            |
| LCSD 880-41302/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8015NM Aq Prep |            |

## Analysis Batch: 41416

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| MB 880-41296/1-A   | Method Blank           | Total/NA  | Solid  | 8015B NM | 41296      |
| LCS 880-41296/2-A  | Lab Control Sample     | Total/NA  | Solid  | 8015B NM | 41296      |
| LCSD 880-41296/3-A | Lab Control Sample Dup | Total/NA  | Solid  | 8015B NM | 41296      |

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## Lab Chronicle

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Client Sample ID: SB2-5FT

Lab Sample ID: 880-22243-1

Date Collected: 12/01/22 09:00

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 41031        | 12/05/22 12:26       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 41141        | 12/07/22 00:23       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 41263        | 12/07/22 10:58       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 41232        | 12/07/22 09:48       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 41140        | 12/06/22 10:09       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 41109        | 12/06/22 21:22       | SM      | EET MID |

Client Sample ID: SB2-10FT

Lab Sample ID: 880-22243-2

Date Collected: 12/01/22 09:10

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 41031        | 12/05/22 12:26       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 41141        | 12/07/22 00:44       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 41263        | 12/07/22 10:58       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 41232        | 12/07/22 09:48       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 41140        | 12/06/22 10:09       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 41109        | 12/06/22 22:23       | SM      | EET MID |

Client Sample ID: SB2-15FT

Lab Sample ID: 880-22243-3

Date Collected: 12/01/22 09:20

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 41031        | 12/05/22 12:26       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 41141        | 12/07/22 01:04       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 41263        | 12/07/22 10:58       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 41232        | 12/07/22 09:48       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 41140        | 12/06/22 10:09       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 41109        | 12/06/22 22:43       | SM      | EET MID |

Client Sample ID: SB1-3FT

Lab Sample ID: 880-22243-4

Date Collected: 12/01/22 09:30

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 41031        | 12/05/22 12:26       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 41141        | 12/07/22 01:25       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 41263        | 12/07/22 10:58       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 41232        | 12/07/22 09:48       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 41140        | 12/06/22 10:09       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 41109        | 12/06/22 23:04       | SM      | EET MID |

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## Lab Chronicle

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Client Sample ID: SB1-8FT

Lab Sample ID: 880-22243-5

Date Collected: 12/01/22 09:40

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 41031        | 12/05/22 12:26       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 41141        | 12/07/22 01:45       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 41263        | 12/07/22 10:58       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 41232        | 12/07/22 09:48       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 41140        | 12/06/22 10:09       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 41109        | 12/06/22 23:24       | SM      | EET MID |

Client Sample ID: SB1-12FT

Lab Sample ID: 880-22243-6

Date Collected: 12/01/22 09:50

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 41031        | 12/05/22 12:26       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 100        | 5 mL           | 5 mL         | 41141        | 12/07/22 02:26       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 41263        | 12/07/22 10:58       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 41232        | 12/07/22 09:48       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 41140        | 12/06/22 10:09       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 41109        | 12/07/22 01:05       | SM      | EET MID |

Client Sample ID: SB3-5FT

Lab Sample ID: 880-22243-7

Date Collected: 12/01/22 10:00

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 41031        | 12/05/22 12:26       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 41141        | 12/07/22 02:05       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 41263        | 12/07/22 10:58       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 41232        | 12/07/22 09:48       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 41140        | 12/06/22 10:09       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 41109        | 12/07/22 00:44       | SM      | EET MID |

Client Sample ID: SB3-10FT

Lab Sample ID: 880-22243-8

Date Collected: 12/01/22 10:10

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 41031        | 12/05/22 12:26       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 100        | 5 mL           | 5 mL         | 41141        | 12/07/22 02:46       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 41263        | 12/07/22 10:58       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 41232        | 12/07/22 09:48       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 41140        | 12/06/22 10:09       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 41109        | 12/07/22 02:06       | SM      | EET MID |

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## Lab Chronicle

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Client Sample ID: SB3-15FT

Lab Sample ID: 880-22243-9

Date Collected: 12/01/22 10:20

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 41031        | 12/05/22 12:26       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 100        | 5 mL           | 5 mL         | 41141        | 12/07/22 03:07       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 41263        | 12/07/22 10:58       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 41232        | 12/07/22 09:48       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 41140        | 12/06/22 10:09       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 5          | 1 uL           | 1 uL         | 41109        | 12/07/22 00:04       | SM      | EET MID |

Client Sample ID: SB3-17FT

Lab Sample ID: 880-22243-10

Date Collected: 12/01/22 10:30

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         | DL3 |            | 5.02 g         | 5 mL         | 41031        | 12/05/22 12:26       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        | DL3 | 100        | 5 mL           | 5 mL         | 41141        | 12/07/22 03:27       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 41263        | 12/07/22 10:58       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 41232        | 12/07/22 09:48       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 41140        | 12/06/22 10:09       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 41109        | 12/07/22 01:46       | SM      | EET MID |

Client Sample ID: SB4-5FT

Lab Sample ID: 880-22243-11

Date Collected: 12/01/22 10:40

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 41031        | 12/05/22 12:26       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 100        | 5 mL           | 5 mL         | 41141        | 12/07/22 04:49       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 41263        | 12/07/22 10:58       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 41232        | 12/07/22 09:48       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 41140        | 12/06/22 10:09       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 10         | 1 uL           | 1 uL         | 41109        | 12/07/22 03:28       | SM      | EET MID |

Client Sample ID: SB4-9FT

Lab Sample ID: 880-22243-12

Date Collected: 12/01/22 10:40

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 41031        | 12/05/22 12:26       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 100        | 5 mL           | 5 mL         | 41141        | 12/07/22 05:09       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 41263        | 12/07/22 10:58       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 41232        | 12/07/22 09:48       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 41140        | 12/06/22 10:09       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 41109        | 12/06/22 23:44       | SM      | EET MID |

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## Lab Chronicle

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Client Sample ID: SB4-DUP

Lab Sample ID: 880-22243-13

Date Collected: 12/01/22 00:00

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 41031        | 12/05/22 12:26       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 100        | 5 mL           | 5 mL         | 41141        | 12/07/22 05:30       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 41263        | 12/07/22 10:58       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 41232        | 12/07/22 09:48       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 41140        | 12/06/22 10:09       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 41109        | 12/07/22 02:26       | SM      | EET MID |

Client Sample ID: SB4-15FT

Lab Sample ID: 880-22243-14

Date Collected: 12/01/22 10:50

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 41031        | 12/05/22 12:26       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 100        | 5 mL           | 5 mL         | 41141        | 12/07/22 05:50       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 41263        | 12/07/22 10:58       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 41232        | 12/07/22 09:48       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.00 g        | 10 mL        | 41140        | 12/06/22 10:09       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 41109        | 12/07/22 02:47       | SM      | EET MID |

Client Sample ID: SB5-3FT

Lab Sample ID: 880-22243-15

Date Collected: 12/01/22 11:00

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 41031        | 12/05/22 12:26       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 100        | 5 mL           | 5 mL         | 41141        | 12/07/22 06:11       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 41263        | 12/07/22 10:58       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 41232        | 12/07/22 09:48       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 41140        | 12/06/22 10:09       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 5          | 1 uL           | 1 uL         | 41109        | 12/07/22 03:49       | SM      | EET MID |

Client Sample ID: SB5-10FT

Lab Sample ID: 880-22243-16

Date Collected: 12/01/22 11:10

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.05 g         | 5 mL         | 41031        | 12/05/22 12:26       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 100        | 5 mL           | 5 mL         | 41141        | 12/07/22 06:31       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 41263        | 12/07/22 10:58       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 41232        | 12/07/22 09:48       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 41140        | 12/06/22 10:09       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 41109        | 12/07/22 03:08       | SM      | EET MID |

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## Lab Chronicle

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Client Sample ID: SB5-15FT

Lab Sample ID: 880-22243-17

Date Collected: 12/01/22 11:20

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 41031        | 12/05/22 12:26       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 100        | 5 mL           | 5 mL         | 41141        | 12/07/22 06:52       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 41263        | 12/07/22 10:58       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 41232        | 12/07/22 09:48       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 41140        | 12/06/22 10:09       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 5          | 1 uL           | 1 uL         | 41109        | 12/07/22 04:10       | SM      | EET MID |

Client Sample ID: SB5-18FT

Lab Sample ID: 880-22243-18

Date Collected: 12/01/22 11:30

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.01 g         | 5 mL         | 41031        | 12/05/22 12:26       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 100        | 5 mL           | 5 mL         | 41141        | 12/07/22 07:12       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 41263        | 12/07/22 10:58       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 41232        | 12/07/22 09:48       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 41140        | 12/06/22 10:09       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 10         | 1 uL           | 1 uL         | 41109        | 12/07/22 04:31       | SM      | EET MID |

Client Sample ID: SB6-5FT

Lab Sample ID: 880-22243-19

Date Collected: 12/01/22 11:40

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 41031        | 12/05/22 12:26       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 100        | 5 mL           | 5 mL         | 41141        | 12/07/22 07:33       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 41263        | 12/07/22 10:58       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 41232        | 12/07/22 09:48       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 41140        | 12/06/22 10:09       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 10         | 1 uL           | 1 uL         | 41109        | 12/07/22 00:24       | SM      | EET MID |

Client Sample ID: SB6-10FT

Lab Sample ID: 880-22243-20

Date Collected: 12/01/22 11:50

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 41031        | 12/05/22 12:26       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 100        | 5 mL           | 5 mL         | 41141        | 12/07/22 07:53       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 41263        | 12/07/22 10:58       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 41232        | 12/07/22 09:48       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.04 g        | 10 mL        | 41140        | 12/06/22 10:09       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 5          | 1 uL           | 1 uL         | 41109        | 12/07/22 04:51       | SM      | EET MID |

Eurofins Midland

## Lab Chronicle

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Client Sample ID: SB6-15FT

Lab Sample ID: 880-22243-21

Date Collected: 12/01/22 12:00

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.99 g         | 5 mL         | 41030        | 12/06/22 08:48       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 50         | 5 mL           | 5 mL         | 41141        | 12/06/22 21:21       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 41263        | 12/07/22 10:58       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 41232        | 12/07/22 09:45       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 41142        | 12/06/22 10:12       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 10         | 1 uL           | 1 uL         | 41104        | 12/07/22 05:21       | SM      | EET MID |

Client Sample ID: SB7-10FT

Lab Sample ID: 880-22243-22

Date Collected: 12/01/22 13:00

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.02 g         | 5 mL         | 41160        | 12/06/22 11:32       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 41157        | 12/07/22 03:20       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 41263        | 12/07/22 10:39       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 41232        | 12/07/22 09:45       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.02 g        | 10 mL        | 41142        | 12/06/22 10:12       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 41104        | 12/06/22 21:24       | SM      | EET MID |

Client Sample ID: SB7-5FT

Lab Sample ID: 880-22243-23

Date Collected: 12/01/22 13:40

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 4.97 g         | 5 mL         | 40641        | 12/07/22 09:16       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 41222        | 12/07/22 13:03       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 41263        | 12/07/22 13:57       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 41232        | 12/07/22 09:45       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.03 g        | 10 mL        | 41142        | 12/06/22 10:12       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 41104        | 12/06/22 22:28       | SM      | EET MID |

Client Sample ID: SB7-15FT

Lab Sample ID: 880-22243-24

Date Collected: 12/01/22 14:00

Matrix: Solid

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Prep       | 5035         |     |            | 5.03 g         | 5 mL         | 40641        | 12/07/22 09:16       | MNR     | EET MID |
| Total/NA  | Analysis   | 8021B        |     | 1          | 5 mL           | 5 mL         | 41222        | 12/07/22 16:57       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX   |     | 1          |                |              | 41263        | 12/08/22 09:37       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM      |     | 1          |                |              | 41232        | 12/07/22 09:45       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Prep  |     |            | 10.01 g        | 10 mL        | 41142        | 12/06/22 10:12       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM     |     | 1          | 1 uL           | 1 uL         | 41104        | 12/06/22 22:50       | SM      | EET MID |

Eurofins Midland



## Lab Chronicle

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Client Sample ID: Well #1

Lab Sample ID: 880-22243-25

Date Collected: 12/01/22 09:00

Matrix: Water

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method   | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8021B          |     | 10         | 5 mL           | 5 mL         | 41281        | 12/08/22 09:47       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX     |     | 1          |                |              | 41263        | 12/08/22 13:17       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM        |     | 1          |                |              | 41232        | 12/08/22 10:49       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Aq Prep |     |            | 33 mL          | 3 mL         | 41302        | 12/07/22 16:41       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM       |     | 1          | 1 uL           | 1 uL         | 41216        | 12/08/22 06:56       | SM      | EET MID |

Client Sample ID: Well #1 DUP

Lab Sample ID: 880-22243-26

Date Collected: 12/01/22 09:00

Matrix: Water

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method   | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8021B          |     | 10         | 5 mL           | 5 mL         | 41281        | 12/08/22 10:08       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX     |     | 1          |                |              | 41263        | 12/08/22 13:17       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM        |     | 1          |                |              | 41232        | 12/08/22 10:49       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Aq Prep |     |            | 32.9 mL        | 3 mL         | 41302        | 12/07/22 16:41       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM       |     | 1          | 1 uL           | 1 uL         | 41216        | 12/08/22 07:18       | SM      | EET MID |

## Laboratory References:

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

Accreditation/Certification Summary

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

Laboratory: Eurofins Midland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| N/A       | N/A     | None on record.       |                 |

- 1
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- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

## Method Summary

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

| Method         | Method Description               | Protocol | Laboratory |
|----------------|----------------------------------|----------|------------|
| 8021B          | Volatile Organic Compounds (GC)  | SW846    | EET MID    |
| Total BTEX     | Total BTEX Calculation           | TAL SOP  | EET MID    |
| 8015 NM        | Diesel Range Organics (DRO) (GC) | SW846    | EET MID    |
| 8015B NM       | Diesel Range Organics (DRO) (GC) | SW846    | EET MID    |
| 5030B          | Purge and Trap                   | SW846    | EET MID    |
| 5035           | Closed System Purge and Trap     | SW846    | EET MID    |
| 8015NM Aq Prep | Microextraction                  | SW846    | EET MID    |
| 8015NM Prep    | Microextraction                  | SW846    | EET MID    |

### Protocol References:

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

### Laboratory References:

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

Eurofins Midland

## Sample Summary

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22243-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-22243-1   | SB2-5FT          | Solid  | 12/01/22 09:00 | 12/02/22 10:16 |
| 880-22243-2   | SB2-10FT         | Solid  | 12/01/22 09:10 | 12/02/22 10:16 |
| 880-22243-3   | SB2-15FT         | Solid  | 12/01/22 09:20 | 12/02/22 10:16 |
| 880-22243-4   | SB1-3FT          | Solid  | 12/01/22 09:30 | 12/02/22 10:16 |
| 880-22243-5   | SB1-8FT          | Solid  | 12/01/22 09:40 | 12/02/22 10:16 |
| 880-22243-6   | SB1-12FT         | Solid  | 12/01/22 09:50 | 12/02/22 10:16 |
| 880-22243-7   | SB3-5FT          | Solid  | 12/01/22 10:00 | 12/02/22 10:16 |
| 880-22243-8   | SB3-10FT         | Solid  | 12/01/22 10:10 | 12/02/22 10:16 |
| 880-22243-9   | SB3-15FT         | Solid  | 12/01/22 10:20 | 12/02/22 10:16 |
| 880-22243-10  | SB3-17FT         | Solid  | 12/01/22 10:30 | 12/02/22 10:16 |
| 880-22243-11  | SB4-5FT          | Solid  | 12/01/22 10:40 | 12/02/22 10:16 |
| 880-22243-12  | SB4-9FT          | Solid  | 12/01/22 10:40 | 12/02/22 10:16 |
| 880-22243-13  | SB4-DUP          | Solid  | 12/01/22 00:00 | 12/02/22 10:16 |
| 880-22243-14  | SB4-15FT         | Solid  | 12/01/22 10:50 | 12/02/22 10:16 |
| 880-22243-15  | SB5-3FT          | Solid  | 12/01/22 11:00 | 12/02/22 10:16 |
| 880-22243-16  | SB5-10FT         | Solid  | 12/01/22 11:10 | 12/02/22 10:16 |
| 880-22243-17  | SB5-15FT         | Solid  | 12/01/22 11:20 | 12/02/22 10:16 |
| 880-22243-18  | SB5-18FT         | Solid  | 12/01/22 11:30 | 12/02/22 10:16 |
| 880-22243-19  | SB6-5FT          | Solid  | 12/01/22 11:40 | 12/02/22 10:16 |
| 880-22243-20  | SB6-10FT         | Solid  | 12/01/22 11:50 | 12/02/22 10:16 |
| 880-22243-21  | SB6-15FT         | Solid  | 12/01/22 12:00 | 12/02/22 10:16 |
| 880-22243-22  | SB7-10FT         | Solid  | 12/01/22 13:00 | 12/02/22 10:16 |
| 880-22243-23  | SB7-5FT          | Solid  | 12/01/22 13:40 | 12/02/22 10:16 |
| 880-22243-24  | SB7-15FT         | Solid  | 12/01/22 14:00 | 12/02/22 10:16 |
| 880-22243-25  | Well #1          | Water  | 12/01/22 09:00 | 12/02/22 10:16 |
| 880-22243-26  | Well #1 DUP      | Water  | 12/01/22 09:00 | 12/02/22 10:16 |





Environment Testing  
Xenco

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

Chain of Custody

Work Order No: 22243

www.xenco.com Page 1 of 3

|                 |                      |                         |                        |
|-----------------|----------------------|-------------------------|------------------------|
| Project Manager | SR Curtis            | Bill to: (if different) |                        |
| Company Name    | Contango             | Company Name            |                        |
| Address         | 11405 Livingston Hwy | Address                 |                        |
| City/State/Zip  | Atlanta NM 88401     | City/State/Zip          |                        |
| Phone           | 575-420-8175         | Email                   | SR.Curtis@Contango.com |

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

|                   |               |                                                               |                                                                           |                        |          |
|-------------------|---------------|---------------------------------------------------------------|---------------------------------------------------------------------------|------------------------|----------|
| Project Name      | Colgate River | Turn Around                                                   | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush | Pres. Code             |          |
| Project Number    |               | Due Date                                                      | 3 day                                                                     |                        |          |
| Project Location  |               | TAT starts the day received by the lab, if received by 4:30pm |                                                                           |                        |          |
| Sampler's Name    |               | Temp Blank:                                                   | Yes No                                                                    | Wet Ice:               | Yes No   |
| P.O. #            |               | Samples Received Intact:                                      | Yes No                                                                    | Thermometer ID:        | T-NM-007 |
| SAMPLE RECEIPT    |               | Cooler Custody Seals:                                         | Yes No N/A                                                                | Correction Factor      |          |
|                   |               | Sample Custody Seals:                                         | Yes No N/A                                                                | Temperature Reading    | .6       |
| Total Containers: |               |                                                               |                                                                           | Corrected Temperature: |          |

| ANALYSIS REQUEST |  |  |  |  |  |
|------------------|--|--|--|--|--|
| Parameters       |  |  |  |  |  |
| TPH              |  |  |  |  |  |
| BTEX             |  |  |  |  |  |
| Chloride         |  |  |  |  |  |



880-22243 Chain of Custody

NaHSO<sub>4</sub> NABIS  
Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> NaSO<sub>3</sub>  
Zn Acetate+NaOH Zn  
NaOH+Ascorbic Acid SARC

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Grab/Comp | # of Cont | Sample Comments |   |   |  |  |  |  |  |  |  |  |  |  |  |
|-----------------------|--------|--------------|--------------|-------|-----------|-----------|-----------------|---|---|--|--|--|--|--|--|--|--|--|--|--|
| S02-SPL               | S      | 12-1-02      | 9:00AM       | 5 PL  | 6m        | 1         | X               | X | X |  |  |  |  |  |  |  |  |  |  |  |
| S02-10 PL             |        |              | 9:10AM       | 10 PL |           |           |                 |   |   |  |  |  |  |  |  |  |  |  |  |  |
| S02-15 PL             |        |              | 9:20AM       | 15 PL |           |           |                 |   |   |  |  |  |  |  |  |  |  |  |  |  |
| S01-3 PL              |        |              | 9:30AM       | 3 PL  |           |           |                 |   |   |  |  |  |  |  |  |  |  |  |  |  |
| S01-8 PL              |        |              | 9:40AM       | 8 PL  |           |           |                 |   |   |  |  |  |  |  |  |  |  |  |  |  |
| S01-12 PL             |        |              | 9:50AM       | 12 PL |           |           |                 |   |   |  |  |  |  |  |  |  |  |  |  |  |
| S03-5 PL              |        |              | 10:00AM      | 5 PL  |           |           |                 |   |   |  |  |  |  |  |  |  |  |  |  |  |
| S03-10 PL             |        |              | 10:10AM      | 10 PL |           |           |                 |   |   |  |  |  |  |  |  |  |  |  |  |  |
| S03-15 PL             |        |              | 10:20AM      | 15 PL |           |           |                 |   |   |  |  |  |  |  |  |  |  |  |  |  |
| S03-17 PL             |        |              | 10:30AM      | 17 PL |           |           |                 |   |   |  |  |  |  |  |  |  |  |  |  |  |

Total 2007 / 6010 2008 / 6020: 8RCRA 13PPM Texas T1 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO<sub>2</sub> Na Sr Ti Sn U V Zn  
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg 1631 / 245 1 / 7470 / 7471

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

|                             |                         |               |                             |                         |           |
|-----------------------------|-------------------------|---------------|-----------------------------|-------------------------|-----------|
| Relinquished by (Signature) | Received by (Signature) | Date/Time     | Relinquished by (Signature) | Received by (Signature) | Date/Time |
|                             |                         | 12-2-22 10:16 |                             |                         |           |
|                             |                         |               |                             |                         |           |
|                             |                         |               |                             |                         |           |
|                             |                         |               |                             |                         |           |



Environment Testing  
Xenico

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

Chain of Custody

Work Order No: \_\_\_\_\_

www.xenico.com Page 2 of 3

|                 |                     |                         |                        |
|-----------------|---------------------|-------------------------|------------------------|
| Project Manager | SR Curtis           | Bill to: (if different) |                        |
| Company Name    | Centango            | Company Name            |                        |
| Address         | 11405 Levington Hwy | Address                 |                        |
| City, State Zip | Acton NM 88210      | City, State Zip         |                        |
| Phone           | 575-420-8175        | Email                   | SR.Curtis@Centango.com |

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

|                          |                        |                     |                                                            |                                                                           |              |                  |           |           |            |   |   |          |  |  |  |                                                                 |                                               |         |                 |  |  |  |
|--------------------------|------------------------|---------------------|------------------------------------------------------------|---------------------------------------------------------------------------|--------------|------------------|-----------|-----------|------------|---|---|----------|--|--|--|-----------------------------------------------------------------|-----------------------------------------------|---------|-----------------|--|--|--|
| Project Name             | No 1 gln 21st          |                     | Turn Around                                                | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush | Pres. Code   | ANALYSIS REQUEST |           |           |            |   |   |          |  |  |  | Preservative Codes                                              |                                               |         |                 |  |  |  |
| Project Location         |                        |                     | Due Date                                                   | 3 day                                                                     |              |                  |           |           |            |   |   |          |  |  |  | None NO                                                         | DI Water H <sub>2</sub> O                     |         |                 |  |  |  |
| Sample's Name            |                        |                     | TAT starts the day received the lab, if received by 4:30pm |                                                                           |              |                  |           |           |            |   |   |          |  |  |  | Cool Cool                                                       | MeOH Me                                       |         |                 |  |  |  |
| P.O. #                   |                        |                     |                                                            |                                                                           |              |                  |           |           |            |   |   |          |  |  |  | HCL, HC                                                         | HNO <sub>3</sub> HN                           |         |                 |  |  |  |
| SAMPLE RECEIPT           |                        |                     | Temp Blank                                                 | Yes No                                                                    | Wet Ice      | Yes No           |           |           |            |   |   |          |  |  |  |                                                                 | H <sub>2</sub> SO <sub>4</sub> H <sub>2</sub> | NaOH Na |                 |  |  |  |
| Samples Received Intact: | Yes No                 | Thermometer ID      | T-NIM-007                                                  |                                                                           |              |                  |           |           |            |   |   |          |  |  |  | H <sub>3</sub> PO <sub>4</sub> HP                               |                                               |         |                 |  |  |  |
| Cooler Custody Seals:    | Yes No N/A             | Correction Factor   |                                                            |                                                                           |              |                  |           |           |            |   |   |          |  |  |  | NaHSO <sub>4</sub> NABIS                                        |                                               |         |                 |  |  |  |
| Sample Custody Seals:    | Yes No N/A             | Temperature Reading | .6                                                         |                                                                           |              |                  |           |           |            |   |   |          |  |  |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> NaSO <sub>3</sub> |                                               |         |                 |  |  |  |
| Total Containers:        | Corrected Temperature: |                     |                                                            |                                                                           |              |                  |           |           |            |   |   |          |  |  |  | Zn Acetate+NaOH Zn                                              |                                               |         |                 |  |  |  |
| Sample Identification    |                        |                     | Matrix                                                     | Date Sampled                                                              | Time Sampled | Depth            | Grab/Comp | # of Cont | Parameters |   |   |          |  |  |  |                                                                 |                                               |         | Sample Comments |  |  |  |
| SB4- STJ                 |                        |                     | S                                                          | 12-1-02                                                                   | 10:40A       | SP2              | (Prob)    | 1         | X          | X | X | TPH      |  |  |  |                                                                 |                                               |         |                 |  |  |  |
| SB4- 9A                  |                        |                     |                                                            |                                                                           | 10:40A       | SP2              |           |           |            |   |   | DTEX     |  |  |  |                                                                 |                                               |         |                 |  |  |  |
| SB4- Dye                 |                        |                     |                                                            |                                                                           |              |                  |           |           |            |   |   | Chloride |  |  |  |                                                                 |                                               |         |                 |  |  |  |
| SB4- 15P2                |                        |                     |                                                            |                                                                           | 10:50A       | 15P2             |           |           |            |   |   |          |  |  |  |                                                                 |                                               |         |                 |  |  |  |
| SB5- 3P2                 |                        |                     |                                                            |                                                                           | 11:00A       | 3P2              |           |           |            |   |   |          |  |  |  |                                                                 |                                               |         |                 |  |  |  |
| SB5- 10P2                |                        |                     |                                                            |                                                                           | 11:10A       | 10P2             |           |           |            |   |   |          |  |  |  |                                                                 |                                               |         |                 |  |  |  |
| SB5- 15P2                |                        |                     |                                                            |                                                                           | 11:20A       | 15P2             |           |           |            |   |   |          |  |  |  |                                                                 |                                               |         |                 |  |  |  |
| SB5- 18P2                |                        |                     |                                                            |                                                                           | 11:30A       | 18P2             |           |           |            |   |   |          |  |  |  |                                                                 |                                               |         |                 |  |  |  |
| SB6- 5P2                 |                        |                     |                                                            |                                                                           | 11:40A       | 5P2              |           |           |            |   |   |          |  |  |  |                                                                 |                                               |         |                 |  |  |  |
| SB6- 10P2                |                        |                     |                                                            |                                                                           | 11:50A       | 10P2             |           |           |            |   |   |          |  |  |  |                                                                 |                                               |         |                 |  |  |  |

|                                              |                  |                                                      |                                                                                               |
|----------------------------------------------|------------------|------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Total 2007 / 6010                            | 2008 / 6020:     | 8RCRA 13PPM Texas 11                                 | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed | TCLP / SPLP 6010 | 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U | Hg 1631 / 2451 / 7470 / 7471                                                                  |

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

|                             |                         |               |                             |                         |           |
|-----------------------------|-------------------------|---------------|-----------------------------|-------------------------|-----------|
| Relinquished by (Signature) | Received by (Signature) | Date/Time     | Relinquished by (Signature) | Received by (Signature) | Date/Time |
|                             |                         | 12-2-22 10:16 |                             |                         |           |
|                             |                         |               |                             |                         |           |
|                             |                         |               |                             |                         |           |
|                             |                         |               |                             |                         |           |



## Endotracheal Testing

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

## Chain of Custody

**Work Order No:**

www.xenco.com Page 3 of 3

|                 |                    |       |                         |  |
|-----------------|--------------------|-------|-------------------------|--|
| Project Manager | SR Curtis          |       | Bill to: (if different) |  |
| Company Name    | Contango           |       | Company Name            |  |
| Address         | 11405 24 Avenue NW |       | Address                 |  |
| City, State ZIP | Artesia NM 88210   |       | City, State ZIP         |  |
| Phone           | 575-420-8175       | Email | SR.Curtis@contango.com  |  |

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

|                   |                          |                                                                           |                        |
|-------------------|--------------------------|---------------------------------------------------------------------------|------------------------|
| Project Name:     | Colgla 225               |                                                                           | Turn Around            |
| Project Number:   |                          | <input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush |                        |
| Project Location: |                          | Due Date:                                                                 | 3 day                  |
| Sampler's Name:   |                          | TAT starts the day received by the lab if received by 4:30pm              |                        |
| PO #              |                          |                                                                           |                        |
| SAMPLE RECEIPT    | Temp Blank:              | Yes No                                                                    | Wet Ice: Yes No        |
|                   | Samples Received Intact: | Yes No                                                                    | Thermometer ID:        |
|                   | Cooler Custody Seals:    | Yes No N/A                                                                | Correction Factor:     |
|                   | Sample Custody Seals:    | Yes No N/A                                                                | Temperature Reading:   |
|                   | Total Containers:        |                                                                           | Corrected Temperature: |

| ANALYSIS REQUEST |  |  |  |  |  |  |  |  |  | Preservative Codes                            |                   |                            |
|------------------|--|--|--|--|--|--|--|--|--|-----------------------------------------------|-------------------|----------------------------|
| Pres. Code       |  |  |  |  |  |  |  |  |  |                                               |                   |                            |
|                  |  |  |  |  |  |  |  |  |  | None                                          | NO                | DI Water- H <sub>2</sub> O |
|                  |  |  |  |  |  |  |  |  |  | Cool                                          | Cool              | MeOH Me                    |
|                  |  |  |  |  |  |  |  |  |  | HCL                                           | HC                | HNO <sub>3</sub> HN        |
|                  |  |  |  |  |  |  |  |  |  | H <sub>2</sub> SO <sub>4</sub>                | H <sub>2</sub>    | NaOH Na                    |
|                  |  |  |  |  |  |  |  |  |  | H <sub>3</sub> PO <sub>4</sub>                | HP                |                            |
|                  |  |  |  |  |  |  |  |  |  | NaHSO <sub>4</sub>                            | NABIS             |                            |
|                  |  |  |  |  |  |  |  |  |  | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> | NaSO <sub>3</sub> |                            |
|                  |  |  |  |  |  |  |  |  |  | Zn Acetate+NaOH                               | Zn                |                            |
|                  |  |  |  |  |  |  |  |  |  | NaOH+Ascorbic Acid                            | SAPC              |                            |

[illegible]

| Total 2007/6010                              | 2008/6020:           |                                                                                               |
|----------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------|
| Circle Method(s) and Metal(s) to be analyzed | 8RCRA 13PPM Texas 11 | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
|                                              | TC1P/SP1P 6010       | 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U                                          |
|                                              |                      | Hq 1631 / 245.1 / 7470 / 7471                                                                 |

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

| Relinquished by (Signature)                                                         | Received by (Signature)                                                           | Date/Time     | Relinquished by (Signature) | Received by (Signature) | Date/Time |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------|-----------------------------|-------------------------|-----------|
| 1  |  | 12-2-22 10.17 | 2                           |                         |           |
| 3                                                                                   |                                                                                   |               | 4                           |                         |           |
| 5                                                                                   |                                                                                   |               | 6                           |                         |           |

## Login Sample Receipt Checklist

Client: Contango Resources LLC

Job Number: 880-22243-1

Login Number: 22243

List Number: 1

Creator: Kramer, Jessica

List Source: Eurofins Midland

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





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Jr Curtis  
Contango Resources LLC  
11405 Lovington Hwy  
Artesia, New Mexico 88210  
Generated 1/11/2023 2:43:27 PM Revision 1

## JOB DESCRIPTION

Colglazier

## JOB NUMBER

880-22244-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701

# Eurofins Midland

## Job Notes

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

## Authorization



Authorized for release by  
John Builes, Project Manager  
[John.Builes@et.eurofinsus.com](mailto:John.Builes@et.eurofinsus.com)  
(561)558-4549

Generated  
1/11/2023 2:43:27 PM  
Revision 1

Client: Contango Resources LLC  
Project/Site: Colglazier

Laboratory Job ID: 880-22244-1

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## Definitions/Glossary

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22244-1

## Qualifiers

## HPLC/IC

## Qualifier Qualifier Description

U Indicates the analyte was analyzed for but not detected.

## Glossary

## Abbreviation These commonly used abbreviations may or may not be present in this report.

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



Case Narrative

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22244-1

Job ID: 880-22244-1

Laboratory: Eurofins Midland

Narrative

Job Narrative  
880-22244-1

REVISION

The report being provided is a revision of the original report sent on 12/13/2022. The report (revision 1) is being revised due to Client requested that report be split based on analysis.

Report revision history

Receipt

The samples were received on 12/2/2022 10:16 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 0.6°C

HPLC/IC

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

Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22244-1

Client Sample ID: Well #2  
Date Collected: 12/02/22 09:10  
Date Received: 12/02/22 10:16

Lab Sample ID: 880-22244-1  
Matrix: Water

| Method: MCAWW 300.0 - Anions, Ion Chromatography |        |           |      |     |      |   |          |                |         |
|--------------------------------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Analyte                                          | Result | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
| Chloride                                         | 9560   |           | 50.0 |     | mg/L |   |          | 12/06/22 23:46 | 100     |

Client Sample ID: Well #2 DUP  
Date Collected: 12/02/22 09:10  
Date Received: 12/02/22 10:16

Lab Sample ID: 880-22244-2  
Matrix: Water

| Method: MCAWW 300.0 - Anions, Ion Chromatography |        |           |      |     |      |   |          |                |         |
|--------------------------------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Analyte                                          | Result | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
| Chloride                                         | 9100   |           | 50.0 |     | mg/L |   |          | 12/06/22 23:39 | 100     |

## Surrogate Summary

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22244-1

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

Matrix: Water

Prep Type: Total/NA

|                                   |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-----------------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID                     | Client Sample ID       | BFB1<br>(70-130)                               | DFBZ1<br>(70-130) |
| 880-22244-1                       | Well #2                | 80                                             | 97                |
| 880-22244-1 MS                    | Well #2                | 69 S1-                                         | 100               |
| 880-22244-1 MSD                   | Well #2                | 85                                             | 97                |
| 880-22244-2                       | Well #2 DUP            | 73                                             | 106               |
| LCS 880-41281/32                  | Lab Control Sample     | 84                                             | 106               |
| LCSD 880-41281/33                 | Lab Control Sample Dup | 90                                             | 106               |
| MB 880-41242/5-A                  | Method Blank           | 66 S1-                                         | 108               |
| MB 880-41281/37                   | Method Blank           | 68 S1-                                         | 102               |
| <b>Surrogate Legend</b>           |                        |                                                |                   |
| BFB = 4-Bromofluorobenzene (Surr) |                        |                                                |                   |
| DFBZ = 1,4-Difluorobenzene (Surr) |                        |                                                |                   |

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

Matrix: Water

Prep Type: Total/NA

|                         |                        | Percent Surrogate Recovery (Acceptance Limits) |                   |
|-------------------------|------------------------|------------------------------------------------|-------------------|
| Lab Sample ID           | Client Sample ID       | 1CO1<br>(70-130)                               | OTPH1<br>(70-130) |
| 880-22244-1             | Well #2                | 146 S1+                                        | 167 S1+           |
| 880-22244-1 MS          | Well #2                | 107                                            | 113               |
| 880-22244-1 MSD         | Well #2                | 94                                             | 96                |
| 880-22244-2             | Well #2 DUP            | 154 S1+                                        | 156 S1+           |
| LCS 880-41302/2-A       | Lab Control Sample     | 166 S1+                                        | 190 S1+           |
| LCSD 880-41302/3-A      | Lab Control Sample Dup | 177 S1+                                        | 203 S1+           |
| MB 880-41302/1-A        | Method Blank           | 122                                            | 145 S1+           |
| <b>Surrogate Legend</b> |                        |                                                |                   |
| 1CO = 1-Chlorooctane    |                        |                                                |                   |
| OTPH = o-Terphenyl      |                        |                                                |                   |

Eurofins Midland

## QC Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22244-1

## Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-41155/3

Matrix: Water

Analysis Batch: 41155

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte  | MB<br>Result | MB<br>Qualifier | RL    | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|----------|--------------|-----------------|-------|-----|------|---|----------|----------------|---------|
| Chloride | <0.500       | U               | 0.500 |     | mg/L |   |          | 12/06/22 21:42 | 1       |

Lab Sample ID: LCS 880-41155/4

Matrix: Water

Analysis Batch: 41155

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte  | Spike<br>Added | LCS<br>Result | LCS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|----------|----------------|---------------|------------------|------|---|------|----------------|
| Chloride | 25.0           | 25.75         |                  | mg/L |   | 103  | 90 - 110       |

Lab Sample ID: LCSD 880-41155/5

Matrix: Water

Analysis Batch: 41155

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte  | Spike<br>Added | LCSD<br>Result | LCSD<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|----------------|----------------|-------------------|------|---|------|----------------|-----|--------------|
| Chloride | 25.0           | 25.85          |                   | mg/L |   | 103  | 90 - 110       | 0   | 20           |

Lab Sample ID: 880-22244-1 MS

Matrix: Water

Analysis Batch: 41155

Client Sample ID: Well #2

Prep Type: Total/NA

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MS<br>Result | MS<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|------|---|------|----------------|
| Chloride | 9560             |                     | 2500           | 12110        |                 | mg/L |   | 102  | 90 - 110       |

Lab Sample ID: 880-22244-1 MSD

Matrix: Water

Analysis Batch: 41155

Client Sample ID: Well #2

Prep Type: Total/NA

| Analyte  | Sample<br>Result | Sample<br>Qualifier | Spike<br>Added | MSD<br>Result | MSD<br>Qualifier | Unit | D | %Rec | %Rec<br>Limits | RPD | RPD<br>Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|------|---|------|----------------|-----|--------------|
| Chloride | 9560             |                     | 2500           | 12100         |                  | mg/L |   | 102  | 90 - 110       | 0   | 20           |

Eurofins Midland



QC Association Summary

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22244-1

HPLC/IC

Analysis Batch: 41155

| Lab Sample ID    | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------------|-----------|--------|--------|------------|
| 880-22244-1      | Well #2                | Total/NA  | Water  | 300.0  |            |
| 880-22244-2      | Well #2 DUP            | Total/NA  | Water  | 300.0  |            |
| MB 880-41155/3   | Method Blank           | Total/NA  | Water  | 300.0  |            |
| LCS 880-41155/4  | Lab Control Sample     | Total/NA  | Water  | 300.0  |            |
| LCSD 880-41155/5 | Lab Control Sample Dup | Total/NA  | Water  | 300.0  |            |
| 880-22244-1 MS   | Well #2                | Total/NA  | Water  | 300.0  |            |
| 880-22244-1 MSD  | Well #2                | Total/NA  | Water  | 300.0  |            |

Lab Chronicle

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22244-1

Client Sample ID: Well #2  
Date Collected: 12/02/22 09:10  
Date Received: 12/02/22 10:16

Lab Sample ID: 880-22244-1  
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 300.0        |     | 100        |                |              | 41155        | 12/06/22 23:46       | CH      | EET MID |

Client Sample ID: Well #2 DUP  
Date Collected: 12/02/22 09:10  
Date Received: 12/02/22 10:16

Lab Sample ID: 880-22244-2  
Matrix: Water

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|--------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 300.0        |     | 100        |                |              | 41155        | 12/06/22 23:39       | CH      | EET MID |

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

Accreditation/Certification Summary

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22244-1

Laboratory: Eurofins Midland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| N/A       | N/A     | None on record.       |                 |

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Method Summary

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22244-1

| Method | Method Description         | Protocol | Laboratory |
|--------|----------------------------|----------|------------|
| 300.0  | Anions, Ion Chromatography | MCAWW    | EET MID    |

- Protocol References:**  
MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
- Laboratory References:**  
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

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Sample Summary

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22244-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-22244-1   | Well #2          | Water  | 12/02/22 09:10 | 12/02/22 10:16 |
| 880-22244-2   | Well #2 DUP      | Water  | 12/02/22 09:10 | 12/02/22 10:16 |

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## Environment Testing

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

## Chain of Custody

**Work Order No:**

tree

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|                  |                      |                         |                        |
|------------------|----------------------|-------------------------|------------------------|
| Project Manager  | JR Curtis            | Bill to: (if different) |                        |
| Company Name:    | Centango             | Company Name:           |                        |
| Address:         | 11405 Livingston Hwy | Address:                |                        |
| City, State ZIP: | Acton MA 01820       | City, State ZIP:        |                        |
| Phone:           | 575-420-8175         | Email:                  | JR.Curtis@Centango.com |
|                  | 0                    |                         |                        |

| Work Order Comments |                                   |                                    |                                      |                                                                 |
|---------------------|-----------------------------------|------------------------------------|--------------------------------------|-----------------------------------------------------------------|
| Program:            | UST/PST <input type="checkbox"/>  | PPP <input type="checkbox"/>       | Brownfields <input type="checkbox"/> | RRC <input type="checkbox"/> Superfund <input type="checkbox"/> |
| State of Project:   |                                   |                                    |                                      |                                                                 |
| Reporting Level:    | Level II <input type="checkbox"/> | Level III <input type="checkbox"/> | PST/UST <input type="checkbox"/>     | TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |
| Deliverables        | EDD <input type="checkbox"/>      | Adapt <input type="checkbox"/>     | Other: _____                         |                                                                 |

|                          |                |  |  |                                                                              |            |                  |        |
|--------------------------|----------------|--|--|------------------------------------------------------------------------------|------------|------------------|--------|
| Project Name:            | Col 19162, Ver |  |  | Turn Around                                                                  |            | ANALYSIS REQUEST |        |
| Project Number           |                |  |  | <input type="checkbox"/> Routine<br><input checked="" type="checkbox"/> Rush | Pres. Code |                  |        |
| Project Location         |                |  |  | Due Date:                                                                    | 3 days     |                  |        |
| Sample's Name:           |                |  |  | TAT starts the day received by the lab, if received by 4:30pm                |            |                  |        |
| PO #                     |                |  |  |                                                                              |            |                  |        |
| SAMPLE RECEIPT           |                |  |  | Temp Blank:                                                                  | Yes No     | Wet Ice:         | Yes No |
| Samples Received Intact: | Yes No         |  |  | Thermometer ID:                                                              | T-MM-007   |                  |        |
| Cooler Custody Seals:    | Yes No N/A     |  |  | Correction Factor:                                                           |            |                  |        |
| Sample Custody Seals:    | Yes No N/A     |  |  | Temperature Reading                                                          | .6         |                  |        |
| Total Containers:        |                |  |  | Corrected Temperature:                                                       |            |                  |        |
| Parameters               |                |  |  |                                                                              |            |                  |        |
| H <sub>2</sub> O         |                |  |  | EX                                                                           |            |                  |        |
| bottle                   |                |  |  |                                                                              |            |                  |        |

|                                                                   |                                                                                      |
|-------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| 880-22244 Chain of Custody                                        |  |
| 3                                                                 |                                                                                      |
| 7                                                                 |                                                                                      |
| NaHSO <sub>4</sub> , NABIS                                        |                                                                                      |
| Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , NaSO <sub>3</sub> |                                                                                      |
| Zn Acetate+NaOH                                                   |                                                                                      |
| Zn                                                                |                                                                                      |
| NaOH+Ascorbic Acid SAPC                                           |                                                                                      |

[illegible]

| Total 2007 / 6010                            | 2008 / 6020:         |                                                                                               |
|----------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------|
| Circle Method(s) and Metal(s) to be analyzed | 8RCRA 13PPM Texas 11 | Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
|                                              | TCLP / SPLP 6010     | 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U                                          |
|                                              |                      | Hg 1631 / 245 1 / 7470 / 7471                                                                 |

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

| Relinquished by (Signature)                                                         | Received by (Signature)                                                           | Date/Time     | Relinquished by (Signature) | Received by (Signature) | Date/Time |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------|-----------------------------|-------------------------|-----------|
| 1  |  | 12.2.22 10:14 | 2                           |                         |           |
| 3                                                                                   |                                                                                   |               | 4                           |                         |           |
| 5                                                                                   |                                                                                   |               | 6                           |                         |           |

## Login Sample Receipt Checklist

Client: Contango Resources LLC

Job Number: 880-22244-1

Login Number: 22244

List Source: Eurofins Midland

List Number: 1

Creator: Kramer, Jessica

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



Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Jr Curtis  
Contango Resources LLC  
11405 Lovington Hwy  
Artesia, New Mexico 88210  
Generated 1/11/2023 2:23:42 PM Revision 1

## JOB DESCRIPTION

Colglazier

## JOB NUMBER

880-22244-1

Eurofins Midland  
1211 W. Florida Ave  
Midland TX 79701



# Eurofins Midland

## Job Notes

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

## Authorization



Authorized for release by  
John Builes, Project Manager  
[John.Builes@et.eurofinsus.com](mailto:John.Builes@et.eurofinsus.com)  
(561)558-4549

Generated  
1/11/2023 2:23:42 PM  
Revision 1

Client: Contango Resources LLC  
Project/Site: Colglazier

Laboratory Job ID: 880-22244-1

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## Definitions/Glossary

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22244-1

## 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.   |
| U         | Indicates the analyte was analyzed for but not detected. |

## GC Semi VOA

| Qualifier | Qualifier Description                                    |
|-----------|----------------------------------------------------------|
| S1+       | Surrogate recovery exceeds control limits, high biased.  |
| U         | Indicates the analyte was analyzed for but not detected. |

## Glossary

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

## Case Narrative

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22244-1

**Job ID: 880-22244-1****Laboratory: Eurofins Midland****Narrative****Job Narrative  
880-22244-1**REVISION

The report being provided is a revision of the original report sent on 12/13/2022. The report (revision 1) is being revised due to Client requested that report be split based on analysis.

Report revision history

**Receipt**

The samples were received on 12/2/2022 10:16 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 0.6°C

**GC VOA**

Method 8021B: The matrix spike (MS) recoveries for analytical batch 880-41281 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-41242 and analytical batch 880-41281 was outside the control limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: Well #2 (880-22244-1[MS]). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with analytical batch 880-41281 was outside the control limits.

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

**GC Semi VOA**

Method 8015MOD\_NM: The surrogate recovery for the blank associated with preparation batch 880-41302 and analytical batch 880-41218 was outside the upper control limits.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: Well #2 (880-22244-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD\_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-41302/2-A) and (LCSD 880-41302/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD\_NM: Surrogate recovery for the following sample was outside control limits: Well #2 DUP (880-22244-2). 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.



## Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22244-1

Client Sample ID: Well #2

Lab Sample ID: 880-22244-1

Date Collected: 12/02/22 09:10

Matrix: Water

Date Received: 12/02/22 10:16

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

| Analyte             | Result | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Benzene             | <2.00  | U F2 F1   | 2.00 |     | ug/L |   |          | 12/08/22 07:04 | 1       |
| Ethylbenzene        | <2.00  | U F2 F1   | 2.00 |     | ug/L |   |          | 12/08/22 07:04 | 1       |
| Toluene             | <2.00  | U F2 F1   | 2.00 |     | ug/L |   |          | 12/08/22 07:04 | 1       |
| Xylenes, Total      | <4.00  | U F2 F1   | 4.00 |     | ug/L |   |          | 12/08/22 07:04 | 1       |
| m-Xylene & p-Xylene | <4.00  | U F2 F1   | 4.00 |     | ug/L |   |          | 12/08/22 07:04 | 1       |
| o-Xylene            | <2.00  | U F2 F1   | 2.00 |     | ug/L |   |          | 12/08/22 07:04 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 80        |           | 70 - 130 |          | 12/08/22 07:04 | 1       |
| 1,4-Difluorobenzene (Surr)  | 97        |           | 70 - 130 |          | 12/08/22 07:04 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 |     | mg/L |   |          | 12/08/22 13:17 | 1       |

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

| Analyte   | Result | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|-----------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Total TPH | <4.57  | U         | 4.57 |     | mg/L |   |          | 12/08/22 12:33 | 1       |

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

| Analyte                              | Result | Qualifier | RL   | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------|-----------|------|-----|------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <4.57  | U         | 4.57 |     | mg/L |   | 12/07/22 16:41 | 12/08/22 07:18 | 1       |
| Diesel Range Organics (Over C10-C28) | <4.57  | U         | 4.57 |     | mg/L |   | 12/07/22 16:41 | 12/08/22 07:18 | 1       |
| Oil Range Organics (Over C28-C36)    | <4.57  | U         | 4.57 |     | mg/L |   | 12/07/22 16:41 | 12/08/22 07:18 | 1       |

| Surrogate      | %Recovery | Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 146       | S1+       | 70 - 130 | 12/07/22 16:41 | 12/08/22 07:18 | 1       |
| o-Terphenyl    | 167       | S1+       | 70 - 130 | 12/07/22 16:41 | 12/08/22 07:18 | 1       |

Client Sample ID: Well #2 DUP

Lab Sample ID: 880-22244-2

Date Collected: 12/02/22 09:10

Matrix: Water

Date Received: 12/02/22 10:16

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

| Analyte             | Result | Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| Benzene             | <2.00  | U         | 2.00 |     | ug/L |   |          | 12/08/22 07:24 | 1       |
| Ethylbenzene        | <2.00  | U         | 2.00 |     | ug/L |   |          | 12/08/22 07:24 | 1       |
| Toluene             | <2.00  | U         | 2.00 |     | ug/L |   |          | 12/08/22 07:24 | 1       |
| Xylenes, Total      | <4.00  | U         | 4.00 |     | ug/L |   |          | 12/08/22 07:24 | 1       |
| m-Xylene & p-Xylene | <4.00  | U         | 4.00 |     | ug/L |   |          | 12/08/22 07:24 | 1       |
| o-Xylene            | <2.00  | U         | 2.00 |     | ug/L |   |          | 12/08/22 07:24 | 1       |

| Surrogate                   | %Recovery | Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 73        |           | 70 - 130 |          | 12/08/22 07:24 | 1       |
| 1,4-Difluorobenzene (Surr)  | 106       |           | 70 - 130 |          | 12/08/22 07:24 | 1       |

## Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte    | Result   | Qualifier | RL      | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|------------|----------|-----------|---------|-----|------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U         | 0.00400 |     | mg/L |   |          | 12/08/22 13:17 | 1       |

Eurofins Midland

Client Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22244-1

Client Sample ID: Well #2 DUP  
Date Collected: 12/02/22 09:10  
Date Received: 12/02/22 10:16

Lab Sample ID: 880-22244-2  
Matrix: Water

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)  |           |           |          |     |      |   |                |                |         |
|-----------------------------------------------------------|-----------|-----------|----------|-----|------|---|----------------|----------------|---------|
| Analyte                                                   | Result    | Qualifier | RL       | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
| Total TPH                                                 | <4.57     | U         | 4.57     |     | mg/L |   |                | 12/08/22 10:49 | 1       |
| Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) |           |           |          |     |      |   |                |                |         |
| Analyte                                                   | Result    | Qualifier | RL       | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
| Gasoline Range Organics (GRO)-C6-C10                      | <4.57     | U         | 4.57     |     | mg/L |   | 12/07/22 16:41 | 12/08/22 05:41 | 1       |
| Diesel Range Organics (Over C10-C28)                      | <4.57     | U         | 4.57     |     | mg/L |   | 12/07/22 16:41 | 12/08/22 05:41 | 1       |
| Oil Range Organics (Over C28-C36)                         | <4.57     | U         | 4.57     |     | mg/L |   | 12/07/22 16:41 | 12/08/22 05:41 | 1       |
| Surrogate                                                 | %Recovery | Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                                            | 154       | S1+       | 70 - 130 |     |      |   | 12/07/22 16:41 | 12/08/22 05:41 | 1       |
| o-Terphenyl                                               | 156       | S1+       | 70 - 130 |     |      |   | 12/07/22 16:41 | 12/08/22 05:41 | 1       |

## Surrogate Summary

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22244-1

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

Matrix: Water

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID     | Client Sample ID       | BFB1<br>(70-130) | DFBZ1<br>(70-130) |
|-------------------|------------------------|------------------|-------------------|
| 880-22244-1       | Well #2                | 80               | 97                |
| 880-22244-1 MS    | Well #2                | 69 S1-           | 100               |
| 880-22244-1 MSD   | Well #2                | 85               | 97                |
| 880-22244-2       | Well #2 DUP            | 73               | 106               |
| LCS 880-41281/32  | Lab Control Sample     | 84               | 106               |
| LCSD 880-41281/33 | Lab Control Sample Dup | 90               | 106               |
| MB 880-41242/5-A  | Method Blank           | 66 S1-           | 108               |
| MB 880-41281/37   | Method Blank           | 68 S1-           | 102               |

## Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Water

Prep Type: Total/NA

## Percent Surrogate Recovery (Acceptance Limits)

| Lab Sample ID      | Client Sample ID       | 1CO1<br>(70-130) | OTPH1<br>(70-130) |
|--------------------|------------------------|------------------|-------------------|
| 880-22244-1        | Well #2                | 146 S1+          | 167 S1+           |
| 880-22244-1 MS     | Well #2                | 107              | 113               |
| 880-22244-1 MSD    | Well #2                | 94               | 96                |
| 880-22244-2        | Well #2 DUP            | 154 S1+          | 156 S1+           |
| LCS 880-41302/2-A  | Lab Control Sample     | 166 S1+          | 190 S1+           |
| LCSD 880-41302/3-A | Lab Control Sample Dup | 177 S1+          | 203 S1+           |
| MB 880-41302/1-A   | Method Blank           | 122              | 145 S1+           |

## Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

## QC Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22244-1

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

Lab Sample ID: MB 880-41242/5-A

Matrix: Water

Analysis Batch: 41281

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41242

| Analyte             | MB Result | MB Qualifier | RL   | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|------|-----|------|---|----------------|----------------|---------|
| Benzene             | <2.00     | U            | 2.00 |     | ug/L |   | 12/07/22 10:10 | 12/07/22 19:41 | 1       |
| Ethylbenzene        | <2.00     | U            | 2.00 |     | ug/L |   | 12/07/22 10:10 | 12/07/22 19:41 | 1       |
| Toluene             | <2.00     | U            | 2.00 |     | ug/L |   | 12/07/22 10:10 | 12/07/22 19:41 | 1       |
| Xylenes, Total      | <4.00     | U            | 4.00 |     | ug/L |   | 12/07/22 10:10 | 12/07/22 19:41 | 1       |
| m-Xylene & p-Xylene | <4.00     | U            | 4.00 |     | ug/L |   | 12/07/22 10:10 | 12/07/22 19:41 | 1       |
| o-Xylene            | <2.00     | U            | 2.00 |     | ug/L |   | 12/07/22 10:10 | 12/07/22 19:41 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared       | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 66           | S1-          | 70 - 130 | 12/07/22 10:10 | 12/07/22 19:41 | 1       |
| 1,4-Difluorobenzene (Surr)  | 108          |              | 70 - 130 | 12/07/22 10:10 | 12/07/22 19:41 | 1       |

Lab Sample ID: MB 880-41281/37

Matrix: Water

Analysis Batch: 41281

Client Sample ID: Method Blank

Prep Type: Total/NA

| Analyte             | MB Result | MB Qualifier | RL   | MDL | Unit | D | Prepared | Analyzed       | Dil Fac |
|---------------------|-----------|--------------|------|-----|------|---|----------|----------------|---------|
| Benzene             | <2.00     | U            | 2.00 |     | ug/L |   |          | 12/08/22 06:35 | 1       |
| Ethylbenzene        | <2.00     | U            | 2.00 |     | ug/L |   |          | 12/08/22 06:35 | 1       |
| Toluene             | <2.00     | U            | 2.00 |     | ug/L |   |          | 12/08/22 06:35 | 1       |
| Xylenes, Total      | <4.00     | U            | 4.00 |     | ug/L |   |          | 12/08/22 06:35 | 1       |
| m-Xylene & p-Xylene | <4.00     | U            | 4.00 |     | ug/L |   |          | 12/08/22 06:35 | 1       |
| o-Xylene            | <2.00     | U            | 2.00 |     | ug/L |   |          | 12/08/22 06:35 | 1       |

| Surrogate                   | MB %Recovery | MB Qualifier | Limits   | Prepared | Analyzed       | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 68           | S1-          | 70 - 130 |          | 12/08/22 06:35 | 1       |
| 1,4-Difluorobenzene (Surr)  | 102          |              | 70 - 130 |          | 12/08/22 06:35 | 1       |

Lab Sample ID: LCS 880-41281/32

Matrix: Water

Analysis Batch: 41281

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

| Analyte             | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|-------------|------------|---------------|------|---|------|-------------|
| Benzene             | 100         | 81.74      |               | ug/L |   | 82   | 70 - 130    |
| Ethylbenzene        | 100         | 86.04      |               | ug/L |   | 86   | 70 - 130    |
| Toluene             | 100         | 90.76      |               | ug/L |   | 91   | 70 - 130    |
| m-Xylene & p-Xylene | 200         | 150.5      |               | ug/L |   | 75   | 70 - 130    |
| o-Xylene            | 100         | 76.23      |               | ug/L |   | 76   | 70 - 130    |

| Surrogate                   | LCS %Recovery | LCS Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 84            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 106           |               | 70 - 130 |

Lab Sample ID: LCSD 880-41281/33

Matrix: Water

Analysis Batch: 41281

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Benzene | 100         | 91.89       |                | ug/L |   | 92   | 70 - 130    | 12  | 20        |

Eurofins Midland



## QC Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22244-1

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

Lab Sample ID: LCSD 880-41281/33

Matrix: Water

Analysis Batch: 41281

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

| Analyte             | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|------|---|------|-------------|-----|-----------|
| Ethylbenzene        | 100         | 101.3       |                | ug/L |   | 101  | 70 - 130    | 16  | 20        |
| Toluene             | 100         | 105.9       |                | ug/L |   | 106  | 70 - 130    | 15  | 20        |
| m-Xylene & p-Xylene | 200         | 179.8       |                | ug/L |   | 90   | 70 - 130    | 18  | 20        |
| o-Xylene            | 100         | 89.97       |                | ug/L |   | 90   | 70 - 130    | 17  | 20        |

| Surrogate                   | LCSD %Recovery | LCSD Qualifier | Limits   |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 90             |                | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 106            |                | 70 - 130 |

Lab Sample ID: 880-22244-1 MS

Matrix: Water

Analysis Batch: 41281

Client Sample ID: Well #2

Prep Type: Total/NA

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Benzene             | <2.00         | U F2 F1          | 100         | 81.49     |              | ug/L |   | 81   | 70 - 130    |
| Ethylbenzene        | <2.00         | U F2 F1          | 100         | 94.15     |              | ug/L |   | 94   | 70 - 130    |
| Toluene             | <2.00         | U F2 F1          | 100         | 96.86     |              | ug/L |   | 97   | 70 - 130    |
| m-Xylene & p-Xylene | <4.00         | U F2 F1          | 200         | 163.3     |              | ug/L |   | 82   | 70 - 130    |
| o-Xylene            | <2.00         | U F2 F1          | 100         | 79.09     |              | ug/L |   | 79   | 70 - 130    |

| Surrogate                   | MS %Recovery | MS Qualifier | Limits   |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 69           | S1-          | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 100          |              | 70 - 130 |

Lab Sample ID: 880-22244-1 MSD

Matrix: Water

Analysis Batch: 41281

Client Sample ID: Well #2

Prep Type: Total/NA

| Analyte             | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|------|---|------|-------------|-----|-----------|
| Benzene             | <2.00         | U F2 F1          | 100         | 41.82      | F2 F1         | ug/L |   | 42   | 70 - 130    | 64  | 25        |
| Ethylbenzene        | <2.00         | U F2 F1          | 100         | 48.16      | F2 F1         | ug/L |   | 48   | 70 - 130    | 65  | 25        |
| Toluene             | <2.00         | U F2 F1          | 100         | 49.61      | F2 F1         | ug/L |   | 50   | 70 - 130    | 65  | 25        |
| m-Xylene & p-Xylene | <4.00         | U F2 F1          | 200         | 87.84      | F2 F1         | ug/L |   | 44   | 70 - 130    | 60  | 25        |
| o-Xylene            | <2.00         | U F2 F1          | 100         | 46.09      | F2 F1         | ug/L |   | 46   | 70 - 130    | 53  | 25        |

| Surrogate                   | MSD %Recovery | MSD Qualifier | Limits   |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 85            |               | 70 - 130 |
| 1,4-Difluorobenzene (Surr)  | 97            |               | 70 - 130 |

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

Lab Sample ID: MB 880-41302/1-A

Matrix: Water

Analysis Batch: 41218

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41302

| Analyte                              | MB Result | MB Qualifier | RL   | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|-----------|--------------|------|-----|------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <4.55     | U            | 4.55 |     | mg/L |   | 12/07/22 16:41 | 12/08/22 05:41 | 1       |

Eurofins Midland

## QC Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22244-1

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

Lab Sample ID: MB 880-41302/1-A

Matrix: Water

Analysis Batch: 41218

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 41302

| Analyte                              | MB Result    | MB Qualifier | RL       | MDL | Unit | D | Prepared       | Analyzed       | Dil Fac |
|--------------------------------------|--------------|--------------|----------|-----|------|---|----------------|----------------|---------|
| Diesel Range Organics (Over C10-C28) | <4.55        | U            | 4.55     |     | mg/L |   | 12/07/22 16:41 | 12/08/22 05:41 | 1       |
| Oil Range Organics (Over C28-C36)    | <4.55        | U            | 4.55     |     | mg/L |   | 12/07/22 16:41 | 12/08/22 05:41 | 1       |
| Surrogate                            | MB %Recovery | MB Qualifier | Limits   |     |      |   | Prepared       | Analyzed       | Dil Fac |
| 1-Chlorooctane                       | 122          |              | 70 - 130 |     |      |   | 12/07/22 16:41 | 12/08/22 05:41 | 1       |
| o-Terphenyl                          | 145          | S1+          | 70 - 130 |     |      |   | 12/07/22 16:41 | 12/08/22 05:41 | 1       |

Lab Sample ID: LCS 880-41302/2-A

Matrix: Water

Analysis Batch: 41218

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 41302

| Analyte                              | Spike Added   | LCS Result    | LCS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|---------------|---------------|------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | 90.4          | 82.45         |               | mg/L |   | 91   | 75 - 125    |
| Diesel Range Organics (Over C10-C28) | 90.4          | 93.86         |               | mg/L |   | 104  | 75 - 125    |
| Surrogate                            | LCS %Recovery | LCS Qualifier | Limits        |      |   |      |             |
| 1-Chlorooctane                       | 166           | S1+           | 70 - 130      |      |   |      |             |
| o-Terphenyl                          | 190           | S1+           | 70 - 130      |      |   |      |             |

Lab Sample ID: LCSD 880-41302/3-A

Matrix: Water

Analysis Batch: 41218

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 41302

| Analyte                              | Spike Added    | LCSD Result    | LCSD Qualifier | Unit | D | %Rec | %Rec Limits | RPD | RPD Limit |
|--------------------------------------|----------------|----------------|----------------|------|---|------|-------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 90.6           | 82.74          |                | mg/L |   | 91   | 75 - 125    | 0   | 20        |
| Diesel Range Organics (Over C10-C28) | 90.6           | 99.82          |                | mg/L |   | 110  | 75 - 125    | 6   | 20        |
| Surrogate                            | LCSD %Recovery | LCSD Qualifier | Limits         |      |   |      |             |     |           |
| 1-Chlorooctane                       | 177            | S1+            | 70 - 130       |      |   |      |             |     |           |
| o-Terphenyl                          | 203            | S1+            | 70 - 130       |      |   |      |             |     |           |

Lab Sample ID: 880-22244-1 MS

Matrix: Water

Analysis Batch: 41218

Client Sample ID: Well #2

Prep Type: Total/NA

Prep Batch: 41302

| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec Limits |
|--------------------------------------|---------------|------------------|-------------|-----------|--------------|------|---|------|-------------|
| Gasoline Range Organics (GRO)-C6-C10 | <4.57         | U                | 91.5        | 99.65     |              | mg/L |   | 109  | 75 - 125    |
| Diesel Range Organics (Over C10-C28) | <4.57         | U                | 91.5        | 108.5     |              | mg/L |   | 117  | 75 - 125    |
| Surrogate                            | MS %Recovery  | MS Qualifier     | Limits      |           |              |      |   |      |             |
| 1-Chlorooctane                       | 107           |                  | 70 - 130    |           |              |      |   |      |             |
| o-Terphenyl                          | 113           |                  | 70 - 130    |           |              |      |   |      |             |

Eurofins Midland

QC Sample Results

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22244-1

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

|                                      |               |                  |             |            |               |      |   |                           |             |     |           |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|------|---|---------------------------|-------------|-----|-----------|
| Lab Sample ID: 880-22244-1 MSD       |               |                  |             |            |               |      |   | Client Sample ID: Well #2 |             |     |           |
| Matrix: Water                        |               |                  |             |            |               |      |   | Prep Type: Total/NA       |             |     |           |
| Analysis Batch: 41216                |               |                  |             |            |               |      |   | Prep Batch: 41302         |             |     |           |
| Analyte                              | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec                      | %Rec Limits | RPD | RPD Limit |
| Gasoline Range Organics (GRO)-C6-C10 | <4.57         | U                | 91.2        | 84.02      |               | mg/L |   | 92                        | 75 - 125    | 17  | 20        |
| Diesel Range Organics (Over C10-C28) | <4.57         | U                | 91.2        | 93.23      |               | mg/L |   | 101                       | 75 - 125    | 15  | 20        |
| Surrogate                            | MSD %Recovery | MSD Qualifier    | Limits      |            |               |      |   |                           |             |     |           |
| 1-Chlorooctane                       | 94            |                  | 70 - 130    |            |               |      |   |                           |             |     |           |
| o-Terphenyl                          | 96            |                  | 70 - 130    |            |               |      |   |                           |             |     |           |

## QC Association Summary

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22244-1

## GC VOA

## Prep Batch: 41242

| Lab Sample ID    | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| MB 880-41242/5-A | Method Blank     | Total/NA  | Water  | 5035   |            |

## Analysis Batch: 41281

| Lab Sample ID     | Client Sample ID       | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------|--------|------------|
| 880-22244-1       | Well #2                | Total/NA  | Water  | 8021B  |            |
| 880-22244-2       | Well #2 DUP            | Total/NA  | Water  | 8021B  |            |
| MB 880-41242/5-A  | Method Blank           | Total/NA  | Water  | 8021B  | 41242      |
| MB 880-41281/37   | Method Blank           | Total/NA  | Water  | 8021B  |            |
| LCS 880-41281/32  | Lab Control Sample     | Total/NA  | Water  | 8021B  |            |
| LCSD 880-41281/33 | Lab Control Sample Dup | Total/NA  | Water  | 8021B  |            |
| 880-22244-1 MS    | Well #2                | Total/NA  | Water  | 8021B  |            |
| 880-22244-1 MSD   | Well #2                | Total/NA  | Water  | 8021B  |            |

## Analysis Batch: 41378

| Lab Sample ID   | Client Sample ID | Prep Type | Matrix | Method     | Prep Batch |
|-----------------|------------------|-----------|--------|------------|------------|
| 880-22244-1     | Well #2          | Total/NA  | Water  | Total BTEX |            |
| 880-22244-2     | Well #2 DUP      | Total/NA  | Water  | Total BTEX |            |
| 880-22244-1 MS  | Well #2          | Total/NA  | Water  | Total BTEX |            |
| 880-22244-1 MSD | Well #2          | Total/NA  | Water  | Total BTEX |            |

## GC Semi VOA

## Analysis Batch: 41216

| Lab Sample ID   | Client Sample ID | Prep Type | Matrix | Method   | Prep Batch |
|-----------------|------------------|-----------|--------|----------|------------|
| 880-22244-2     | Well #2 DUP      | Total/NA  | Water  | 8015B NM | 41302      |
| 880-22244-1 MSD | Well #2          | Total/NA  | Water  | 8015B NM | 41302      |

## Analysis Batch: 41218

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method   | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-22244-1        | Well #2                | Total/NA  | Water  | 8015B NM | 41302      |
| MB 880-41302/1-A   | Method Blank           | Total/NA  | Water  | 8015B NM | 41302      |
| LCS 880-41302/2-A  | Lab Control Sample     | Total/NA  | Water  | 8015B NM | 41302      |
| LCSD 880-41302/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8015B NM | 41302      |
| 880-22244-1 MS     | Well #2                | Total/NA  | Water  | 8015B NM | 41302      |

## Prep Batch: 41302

| Lab Sample ID      | Client Sample ID       | Prep Type | Matrix | Method         | Prep Batch |
|--------------------|------------------------|-----------|--------|----------------|------------|
| 880-22244-1        | Well #2                | Total/NA  | Water  | 8015NM Aq Prep |            |
| 880-22244-2        | Well #2 DUP            | Total/NA  | Water  | 8015NM Aq Prep |            |
| MB 880-41302/1-A   | Method Blank           | Total/NA  | Water  | 8015NM Aq Prep |            |
| LCS 880-41302/2-A  | Lab Control Sample     | Total/NA  | Water  | 8015NM Aq Prep |            |
| LCSD 880-41302/3-A | Lab Control Sample Dup | Total/NA  | Water  | 8015NM Aq Prep |            |
| 880-22244-1 MS     | Well #2                | Total/NA  | Water  | 8015NM Aq Prep |            |
| 880-22244-1 MSD    | Well #2                | Total/NA  | Water  | 8015NM Aq Prep |            |

## Analysis Batch: 41351

| Lab Sample ID   | Client Sample ID | Prep Type | Matrix | Method  | Prep Batch |
|-----------------|------------------|-----------|--------|---------|------------|
| 880-22244-1     | Well #2          | Total/NA  | Water  | 8015 NM |            |
| 880-22244-2     | Well #2 DUP      | Total/NA  | Water  | 8015 NM |            |
| 880-22244-1 MS  | Well #2          | Total/NA  | Water  | 8015 NM |            |
| 880-22244-1 MSD | Well #2          | Total/NA  | Water  | 8015 NM |            |

Eurofins Midland



## Lab Chronicle

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22244-1

Client Sample ID: Well #2

Lab Sample ID: 880-22244-1

Date Collected: 12/02/22 09:10

Matrix: Water

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method   | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8021B          |     | 1          | 5 mL           | 5 mL         | 41281        | 12/08/22 07:04       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX     |     | 1          |                |              | 41378        | 12/08/22 13:17       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM        |     | 1          |                |              | 41351        | 12/08/22 12:33       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Aq Prep |     |            | 32.8 mL        | 3 mL         | 41302        | 12/07/22 16:41       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM       |     | 1          | 1 uL           | 1 uL         | 41218        | 12/08/22 07:18       | SM      | EET MID |

Client Sample ID: Well #2 DUP

Lab Sample ID: 880-22244-2

Date Collected: 12/02/22 09:10

Matrix: Water

Date Received: 12/02/22 10:16

| Prep Type | Batch Type | Batch Method   | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab     |
|-----------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA  | Analysis   | 8021B          |     | 1          | 5 mL           | 5 mL         | 41281        | 12/08/22 07:24       | MNR     | EET MID |
| Total/NA  | Analysis   | Total BTEX     |     | 1          |                |              | 41378        | 12/08/22 13:17       | SM      | EET MID |
| Total/NA  | Analysis   | 8015 NM        |     | 1          |                |              | 41351        | 12/08/22 10:49       | SM      | EET MID |
| Total/NA  | Prep       | 8015NM Aq Prep |     |            | 32.8 mL        | 3 mL         | 41302        | 12/07/22 16:41       | DM      | EET MID |
| Total/NA  | Analysis   | 8015B NM       |     | 1          | 1 uL           | 1 uL         | 41216        | 12/08/22 05:41       | SM      | EET MID |

## Laboratory References:

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

Accreditation/Certification Summary

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22244-1

Laboratory: Eurofins Midland

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| N/A       | N/A     | None on record.       |                 |

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Method Summary

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22244-1

| Method         | Method Description               | Protocol | Laboratory |
|----------------|----------------------------------|----------|------------|
| 8021B          | Volatile Organic Compounds (GC)  | SW846    | EET MID    |
| Total BTEX     | Total BTEX Calculation           | TAL SOP  | EET MID    |
| 8015 NM        | Diesel Range Organics (DRO) (GC) | SW846    | EET MID    |
| 8015B NM       | Diesel Range Organics (DRO) (GC) | SW846    | EET MID    |
| 5030B          | Purge and Trap                   | SW846    | EET MID    |
| 8015NM Aq Prep | Microextraction                  | SW846    | EET MID    |

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.  
TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Contango Resources LLC  
Project/Site: Colglazier

Job ID: 880-22244-1

| Lab Sample ID | Client Sample ID | Matrix | Collected      | Received       |
|---------------|------------------|--------|----------------|----------------|
| 880-22244-1   | Well #2          | Water  | 12/02/22 09:10 | 12/02/22 10:16 |
| 880-22244-2   | Well #2 DUP      | Water  | 12/02/22 09:10 | 12/02/22 10:16 |

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## Environment Testing

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

## Chain of Custody

**Work Order No:**

tree

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|                  |                      |                         |                        |
|------------------|----------------------|-------------------------|------------------------|
| Project Manager  | JR Curtis            | Bill to: (if different) |                        |
| Company Name:    | Contango             | Company Name:           |                        |
| Address:         | 11405 Livingston Hwy | Address:                |                        |
| City, State ZIP: | Acton MA 01820       | City, State ZIP:        |                        |
| Phone:           | 575-420-8175         | Email:                  | JR.Curtis@Contango.com |
|                  | 0                    |                         |                        |

| Work Order Comments |                                   |                                    |                                      |                                                                 |
|---------------------|-----------------------------------|------------------------------------|--------------------------------------|-----------------------------------------------------------------|
| Program:            | UST/PST <input type="checkbox"/>  | PPP <input type="checkbox"/>       | Brownfields <input type="checkbox"/> | RRC <input type="checkbox"/> Superfund <input type="checkbox"/> |
| State of Project:   |                                   |                                    |                                      |                                                                 |
| Reporting Level:    | Level II <input type="checkbox"/> | Level III <input type="checkbox"/> | PST/UST <input type="checkbox"/>     | TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> |
| Deliverables        | EDD <input type="checkbox"/>      | Adapt <input type="checkbox"/>     | Other: _____                         |                                                                 |

|                               |                 |                        |          |          |        |  |
|-------------------------------|-----------------|------------------------|----------|----------|--------|--|
| ANALYSIS REQUEST              |                 |                        |          |          |        |  |
| Project Name:                 | Col 9/16/21 ver |                        |          |          |        |  |
| Project Number:               |                 |                        |          |          |        |  |
| Project Location:             |                 |                        |          |          |        |  |
| Sample's Name:                |                 |                        |          |          |        |  |
| PO #:                         |                 |                        |          |          |        |  |
| SAMPLE RECEIPT                |                 | Temp Blank:            | Yes No   | Wet Ice: | Yes No |  |
| Samples Received Intact:      | Yes No          | Thermometer ID:        | T-NN-007 |          |        |  |
| Cooler Custody Seals:         | Yes No N/A      | Correction Factor:     |          |          |        |  |
| Sample Custody Seals:         | Yes No N/A      | Temperature Reading    | .6       |          |        |  |
| Total Containers:             |                 | Corrected Temperature: |          |          |        |  |
| Parameters                    |                 |                        |          |          |        |  |
| Pres. Code                    |                 |                        |          |          |        |  |
| H <sub>2</sub> O EX<br>bottle |                 |                        |          |          |        |  |

| 880-22244 Chain of Custody                                                           |                                                                   |
|--------------------------------------------------------------------------------------|-------------------------------------------------------------------|
|  |                                                                   |
| 3                                                                                    | NaHSO <sub>4</sub> , NABIS                                        |
| 7                                                                                    | Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , NaSO <sub>3</sub> |
|                                                                                      | Zn Acetate+NaOH Zn                                                |
|                                                                                      | NaOH+Ascorbic Acid SAPC                                           |

[illegible]

| Total 200.7 / 6010                           | 200.8 / 6020:    |                                                                                                              |
|----------------------------------------------|------------------|--------------------------------------------------------------------------------------------------------------|
|                                              | 8RCRA            | 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO <sub>2</sub> Na Sr Ti Sn U V Zn |
| Circle Method(s) and Metal(s) to be analyzed | TCLP / SPLD 6010 | 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hq 1331 / 245.1 / 7470 / 7471                           |

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

| Relinquished by (Signature) | Received by (Signature) | Date/Time     | Relinquished by (Signature) | Received by (Signature) | Date/Time |
|-----------------------------|-------------------------|---------------|-----------------------------|-------------------------|-----------|
|                             |                         | 12.2.22 10:16 |                             |                         |           |
|                             |                         |               |                             |                         |           |
|                             |                         |               |                             |                         |           |
|                             |                         |               |                             |                         |           |
|                             |                         |               |                             |                         |           |

## Login Sample Receipt Checklist

Client: Contango Resources LLC

Job Number: 880-22244-1

Login Number: 22244

List Source: Eurofins Midland

List Number: 1

Creator: Kramer, Jessica

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

Incident #: nAPP2303360598

**Appendix E**  
**C-141 Form (initial)**

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural  
Resources Department

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

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

|                |                |
|----------------|----------------|
| Incident ID    | NAPP2303360598 |
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## Release Notification

### Responsible Party

|                                                                             |                                            |
|-----------------------------------------------------------------------------|--------------------------------------------|
| Responsible Party: Contango Resources LLC                                   | OGRID: 330447                              |
| Contact Name: Chet Stuart                                                   | Contact Telephone: (713) 236-7530          |
| Contact email: CStuart@contango.com                                         | Incident #: <a href="#">NAPP2303360598</a> |
| Contact mailing address: 717 Texas Avenue, Suite 2900, Houston, Texas 77002 |                                            |

### Location of Release Source

Latitude 32.563285 Longitude -103.997456  
(NAD 83 in decimal degrees to 5 decimal places)

|                                    |                                            |
|------------------------------------|--------------------------------------------|
| Site Name: Colgazer – Stovall CTB  | Site Type: Decommissioned Tank Battery Pad |
| Date Release Discovered: 8/22/2022 | API# (if applicable)                       |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| C           | 20      | 20S      | 30E   | Eddy   |

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: Steve McCutcheon)

### Nature and Volume of Release

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

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

Cause of Release:

Discovery of this legacy release was made in the process of the landowner drilling a water well on site. **The nature, volume, and cause of the historical release are unknown.** Contango conducted a delineation of the site to determine the extent and concentration of the sub-surface contamination in two stages. The initial boring samples (October 5, 2022) were analyzed for TPH, BETX, GRO and DRO (with TPH concentrations ranging from ND to 186-3510 ppm across the area delineated). The second round of boring samples (December 2022) analyzed contained TPH concentrations ranging from ND to 203-5460 ppm, and Chloride concentrations ranging from 273-2160 ppm across the delineated area.



State of New Mexico  
Oil Conservation Division

|                |                |
|----------------|----------------|
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|                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Was this a major release as defined by 19.15.29.7(A) NMAC?<br><br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                                                                                                                                                                                                                                                                       | If YES, for what reason(s) does the responsible party consider this a major release?<br><br>Based on the analytical data from the boring samples an estimate of the volume of impacted soil was made, approximately 4800 cubic yards. The regulatory guidelines define a major release as 25 barrels or more. The analytical data suggests the average TPH concentration is estimated to be in the range of 1000-1200 mg/kg in the impacted volume of soil and therefore, without any specific knowledge of the actual release event, Contango believes that this would have been classified as a major release per the rules. |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?<br><br>Contango has no knowledge of the specific details regarding immediate notification to OCD when this legacy release occurred, however, Contango has notified OCD of the voluntary clean-up efforts that have been ongoing at site since our initial discovery of the historical release. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

### Initial Response

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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> The source of the release has been stopped.<br><input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.<br><input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.<br><input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| If all the actions described above have <u>not</u> been undertaken, explain why:<br><br>The landowner has permitted and drilled a water well on this site that was instrumental in the discovery of this legacy release and discovery of the resultant soil contamination. The water well has penetrated the confining clay layer present at a depth of approximately 19-20' below ground surface. The penetration of clay layer by this water well could provide a pathway for vertical migration of the oil from the soil above if the integrity of the cement between the wellbore and water well surface casing is compromised. It is strongly recommended as a first step that the integrity of the cement is confirmed and/or the water well is properly worked over or plugged, to prevent any potential migration of the oil.                                                                                                                                                         |
| Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.<br><br>Printed Name: Chet Stuart _____ Title: Manager, Operations Support<br>Signature: <u>Chet Stuart</u> _____ Date: <u>2/13/23</u><br>email: CStuart@contango.com Telephone: (713) 236-7530 |
| <b><u>OCD Only</u></b><br><br>Received by: <u>Jocelyn Harimon</u> _____ Date: <u>02/13/2023</u> _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

|                |                |
|----------------|----------------|
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## 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?                                                                                                           | <u>~35</u> (ft bgs)                                                 |
| Did this release impact groundwater or surface water?                                                                                                                                           | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?                                                              | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?                                                    | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?                                                            | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?                                                                                                | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?                                                           | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland?                                                                                                                            | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine?                                                                                                                             | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology?                                                                                                        | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain?                                                                                                                            | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?                                                                                            | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

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

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

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

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

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

Printed Name: Chet Stuart

Title: Manager, Operations Support

Signature: Chet StuartDate: 2/13/23

email: CStuart@contango.com

Telephone: (713) 236-7530

**OCD Only**Received by: Jocelyn HarimonDate: 02/13/2023

## Remediation Plan

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

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

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

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☒ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: Chet Stuart

Title: Manager, Operations Support

Signature: Chet StuartDate: 2/13/23

email: CStuart@contango.com

Telephone: (713) 236-753

|                |                |
|----------------|----------------|
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**OCD Only**Received by: Jocelyn Harimon Date: 2/13/2023☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## Closure

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

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

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

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

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_



|                |  |
|----------------|--|
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| Application ID |  |

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Incident #: nAPP2303360598

## **Appendix F**

### **Groundwater Depth Determination**

## Appendix F

### Colgazer Groundwater Depth Determination

The Colgazer Site (Site) is located at 32.563283°; -103.997366° at an elevation of 3,205 feet above mean sea level. Within the Site area, groundwater has been documented in the unconsolidated alluvium. Other groundwater resources in the area consist of the limestone, gypsum, and red beds of the Chalk Bluff formation; from the Rustler formation; and from the sandstone of the Dockum group. While groundwater from these sources is generally found in usable quantities, the quality is poor in most cases.<sup>1</sup> Review of the U.S. Geological Survey (USGS) National Water Information System database, indicated three (3) wells within 1-mile of the Site. The depth to groundwater measurement dates for each well were from 1948, 1976, and 1994. The most recent depth to water was measured from site number 323352103594301 in 1994. The well is located approximately 615 feet northeast of the Site and depth to water was 23.24 feet below ground surface (bgs). No completion reports, or depths to water bearing strata were included with the USGS well data. The historical water levels from the USGS records are included as **Attachment 1**.

Onsite groundwater measurements were recorded from two (2) water wells at the Site by ALL Consulting on December 1, 2022. The initial depth to water measurement was recorded from an existing Site well, located at 32.563283°; -103.997366°. Total depth of the well was 80 feet bgs and groundwater was documented at 36 feet bgs. Following the initial groundwater measurement, groundwater was observed at a test boring, located at 32.562581°; -103.996803°. The test boring was completed at a depth of 35 feet bgs in unconsolidated material, and groundwater was observed between 20 and 25 feet bgs.

---

<sup>1</sup> Hendrickson, G.E. and Jones, R.S. *Geology and Groundwater Resources of Eddy County, New Mexico*. U.S. Geological Survey. Groundwater Report 3. 1952

## Attachment 1: USGS Water Level Measurements

## USGS 323352103594301 20S.30E.20.12213

Eddy County, New Mexico

Latitude 32°33'52", Longitude 103°59'43" NAD27

Land-surface elevation 3,205 feet above NAVD88

The depth of the well is 90 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)

| Date       | Time | Water-level<br>date-time<br>accuracy | Parameter<br>code | Water<br>level,<br>feet<br>below<br>land<br>surface | Water<br>level,<br>feet<br>above<br>specific<br>vertical<br>datum | Referenced<br>vertical<br>datum |
|------------|------|--------------------------------------|-------------------|-----------------------------------------------------|-------------------------------------------------------------------|---------------------------------|
|            |      |                                      |                   |                                                     |                                                                   |                                 |
| 1948-12-22 |      | D                                    | 62610             |                                                     | 3174.81                                                           | NGVD29                          |
| 1948-12-22 |      | D                                    | 62611             |                                                     | 3176.35                                                           | NAVD88                          |
| 1948-12-22 |      | D                                    | 72019             | 28.65                                               |                                                                   |                                 |
| 1965-12-20 |      | D                                    | 62610             |                                                     | 3173.45                                                           | NGVD29                          |
| 1965-12-20 |      | D                                    | 62611             |                                                     | 3174.99                                                           | NAVD88                          |
| 1965-12-20 |      | D                                    | 72019             | 30.01                                               |                                                                   |                                 |
| 1968-05-27 |      | D                                    | 62610             |                                                     | 3173.49                                                           | NGVD29                          |
| 1968-05-27 |      | D                                    | 62611             |                                                     | 3175.03                                                           | NAVD88                          |
| 1968-05-27 |      | D                                    | 72019             | 29.97                                               |                                                                   |                                 |
| 1971-02-05 |      | D                                    | 62610             |                                                     | 3174.88                                                           | NGVD29                          |
| 1971-02-05 |      | D                                    | 62611             |                                                     | 3176.42                                                           | NAVD88                          |
| 1971-02-05 |      | D                                    | 72019             | 28.58                                               |                                                                   |                                 |
| 1976-12-10 |      | D                                    | 62610             |                                                     | 3176.10                                                           | NGVD29                          |
| 1976-12-10 |      | D                                    | 62611             |                                                     | 3177.64                                                           | NAVD88                          |
| 1976-12-10 |      | D                                    | 72019             | 27.36                                               |                                                                   |                                 |
| 1977-12-15 |      | D                                    | 62610             |                                                     | 3177.11                                                           | NGVD29                          |
| 1977-12-15 |      | D                                    | 62611             |                                                     | 3178.65                                                           | NAVD88                          |
| 1977-12-15 |      | D                                    | 72019             | 26.35                                               |                                                                   |                                 |
| 1983-01-17 |      | D                                    | 62610             |                                                     | 3179.60                                                           | NGVD29                          |
| 1983-01-17 |      | D                                    | 62611             |                                                     | 3181.14                                                           | NAVD88                          |
| 1983-01-17 |      | D                                    | 72019             | 23.86                                               |                                                                   |                                 |
| 1989-05-11 |      | D                                    | 62610             |                                                     | 3180.80                                                           | NGVD29                          |
| 1989-05-11 |      | D                                    | 62611             |                                                     | 3182.34                                                           | NAVD88                          |
| 1989-05-11 |      | D                                    | 72019             | 22.66                                               |                                                                   |                                 |
| 1990-05-11 |      | D                                    | 62610             |                                                     | 3180.80                                                           | NGVD29                          |
| 1990-05-11 |      | D                                    | 62611             |                                                     | 3182.34                                                           | NAVD88                          |
| 1990-05-11 |      | D                                    | 72019             | 22.66                                               |                                                                   |                                 |
| 1994-03-02 |      | D                                    | 62610             |                                                     | 3180.22                                                           | NGVD29                          |
| 1994-03-02 |      | D                                    | 62611             |                                                     | 3181.76                                                           | NAVD88                          |
| 1994-03-02 |      | D                                    | 72019             | 23.24                                               |                                                                   |                                 |



|                |                |
|----------------|----------------|
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## Remediation Plan

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

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

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

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☒ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: Chet Stuart

Title: Manager, Operations Support

Signature: Chet StuartDate: 2/13/23

email: CStuart@contango.com

Telephone: (713) 236-753

**OCD Only**

Received by: Jocelyn Harimon

Date: 2/13/2023

Approved

☒ Approved with Attached Conditions of Approval

Denied

Deferral Approved

Signature: Robert HamletDate: 11/2/2023

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS  
  
Action 182521

CONDITIONS

|                                                                                       |                                                               |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------|
| Operator:<br><br>Contango Resources, LLC<br>111 E. 5TH STREET<br>FORT WORTH, TX 76102 | OGRID:<br><br>330447                                          |
|                                                                                       | Action Number:<br><br>182521                                  |
|                                                                                       | Action Type:<br><br>[C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Condition Date |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| rhamlet    | The Remediation Plan is Conditionally Approved. The water well needs to be plugged per NM Office of the State Engineer (NMOSE) requirements. Natural attenuation will not be considered for remediation purposes. Blending of clean material and stockpiled overburden is not allowed. Overburden material needs to be sampled every 50 cubic yards before it's put back in excavation. Full delineation must be performed during contaminant excavation operations, as the prior delineation efforts failed to fully delineate the extent of the contamination vertically and horizontally. All contaminants as required by 19.15.29 NMAC must be removed. This includes contamination in the groundwater interface. Conduct groundwater investigation after excavation is complete to verify if groundwater was impacted or the extent of the impact. Field work must commence no later than Jan 31, 2024. Field work must be continuous and demobilization from the site must be approved by the OCD. | 11/2/2023      |