Remediation Summary

Property:

Contango Resources
C S Caylor SR Estate 3
Lea County, New Mexico
Unit C, Section 1, Township 17 South, Range 36 East
Latitude 32.867695, Longitude -103.310596

December 2022

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APPENDICES

Remediation Summary

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Latitude 32.867695, Longitude -103.310596

November 2022

1.0 INTRODUCTION

1.1 Site Description & Background

The Site is located in Unit C, Section 1, Township 17 South, Range 36 East, Lea County, New Mexico (GPS 32.867695, -103.310596). Figures 1, 2, and 3 in Appendix A show the Site location.

Remedial action was conducted in accordance with the New Mexico Energy, Minerals, and Natural Resources Department (EMNRD), the New Mexico Oil Conservation Division (NMOCD), and rules under the New Mexico Administrative Code (*NMAC 19.15.29*).

1.2 Project Objective

The objective of the Remediation Summary is to present documentation of the activities that were performed at this Site to the NMOCD.

1.3 Reliance

The Remediation Summary has been prepared for the exclusive use of Contango Resources, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization of Contango Resources. Any unauthorized distribution or reuse is at the sole risk of Contango Resources. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions and limitations stated in the proposal and the report.

2.0 REMEDIAL ACTION GOALS

In accordance with the NMAC 19.15.29, Contango Resources utilized the general site characteristics to determine the appropriate “ranking” for the Site.

- The depth to the initial groundwater-bearing zone is less than fifty feet at the Site. For details refer to Groundwater in Appendix G,
- The impacted area is more than 1,000 feet (ft) from a water source, and
- Distance to the nearest surface water body is greater than 1,000 ft.

Cleanup goals for soils remaining in place include: 600 milligrams per kilogram (mg/Kg) for Chloride, 100 mg/Kg for Total Petroleum Hydrocarbons (TPH), 10 mg/Kg for Benzene, and 50 mg/Kg for Total Benzene, Toluene, Ethylbenzene, and Xylene (BTEX).

Figure 5 in Appendix A shows the location of the Site in Lea Co, New Mexico, and surrounding topography. Figure 6 in Appendix A shows the location of the Site and its proximity to the nearest water well which is a distance of 0.85 mile to the Southwest.

3.0 SURFACE ACTIVITIES

During February 2022, at the request of Contango Resources, a third-party contractor was instructed to excavate impacted material (i.e., soils) surrounding existing flowlines due to a release of crude oil. Approximately two hundred forty (240) cubic yards (yd^3) of impacted material were excavated and temporarily stockpiled inside the release footprint.

Following a secondary release by Plains, the third-party contractor continued excavation activities and achieved a total depth of three (3) feet below ground surface (bgs). The additional excavation activities increased the total stockpile size to approximately three hundred eighty-five (385) yd^3.

Beginning May 20th and continuing through May 23rd, the temporarily stockpiled excavated impacted material was exported offsite by the third-party contractor under appropriate manifest and transported to Lea Land, LLC, located east of Carlsbad, New Mexico. Appendix F of this report contains the manifests for the material.

4.0 INITIAL RESPONSE & SAMPLING ACTIVITIES

4.1 Initial Response

On September 3rd, third-party personnel performed a site inspection in response to a release of two (2) barrels (bbls) of crude oil and thirty-five (35) bbls of produced water in the pasture. The cause of the release was due to a leak, attributed to property damage, where a firearm was used to puncture the flowline, which in-turn allowed the release to occur directly to the ground. The third-party determined the release footprint to be approximately nine hundred fifteen (915) square feet of pasture area.

4.2 First Soil Sampling Activities

Confirmation sampling activities were conducted on June 27th by third-party personnel, using a stainless-steel hand auger. A grid area was designed covering the release footprint comprised of six (6) individual 10’ X 20’ cells equaling 200 sq. ft. each. Six (6) Bottom Hole (i.e., CS 1 thru CS 6) and six (6) Side Wall (i.e., Side Wall 1 thru Side Wall 6) samples were collected at various locations. Bottom hole samples were collected from a depth at three (3) feet bgs, where an excavation bottom (EB) was established. Table 1 in Appendix B presents soil sampling analytical results. Figure 3 in Appendix A shows the approximate position of sample locations within the release footprint and in relation to pertinent land features during the sampling event.

4.3 Soil Sampling Analytical Results

The twelve (12) samples collected within the release footprint were delivered by third-party personnel to Eurofins Xenco laboratory for analysis on June 27th. The samples were analyzed for Chloride, TPH, and BTEX. Analytical results were compared to *Table I of the NMAC 19.15.29.12* and show TPH and BTEX concentrations are below the NMOCD guidelines at all sample locations except for Side Wall 6. Furthermore, all sample points showed chloride levels to be above the cleanup goals and vertical delineation was not achieved.

Based upon the data collected during the sampling event and review of the analytical results, the constituents of concern (COCs) were not vertically or horizontally delineated at all sample locations. At sample location Side Wall 6, concentrations of TPH were at 874 mg/Kg exceeding NMOCD clean-up goals. Additionally, results showed chloride levels at Side Wall 1 to be 2,500 mg/Kg, Side Wall 2 at 789 mg/Kg Side Wall 3 at 2,050 mg/Kg, Side Wall 4 at 2,060 mg/Kg, Side Wall 5 at 2,240 mg/Kg, Side Wall 6 at 2,750 mg/Kg, CS 1 at 834 mg/Kg, CS 2 at 948 mg/Kg, CS 3 at 682 mg/Kg, CS 4 at 1,070 mg/Kg CS 5 at 3,690 mg/Kg and CS 6 at 842 mg/Kg. Both vertical and horizontal delineation has not been achieved. Further excavation and sampling were required.

4.5 Additional Excavation Activities

Remediation activities continued July 14th by the third-party contractor excavating additional material throughout the release footprint to address elevated levels of both TPH and Chloride as shown in the previous sampling event. Approximately ninety-seven (97) yd^3 of impacted material were excavated and temporarily stockpiled on-site before being exported offsite by the third-party contractor under appropriate manifest and transported to Lea Land, LLC. Appendix F of this report contains the manifests for the impacted material.

4.5 Second Soil Sampling Activities

Confirmation sampling activities were conducted on October 13th by third-party personnel, using a stainless-steel hand auger. The same grid area previously used was designed covering the release footprint comprised of seven (7) individual 10’ X 20’ cells equaling 200 sq. ft. each. Seven (7) Bottom Hole (i.e., FS 1 thru FS 7) and six (6) Side Wall (i.e., SW 1 thru SW 6) samples were collected at various locations. Bottom hole samples were collected from a depth at three and one-half (3.5) feet bgs, where an excavation bottom (EB) was established. Table 2 in Appendix B presents soil sampling analytical results. Figure 4 in Appendix A shows the approximate position of sample locations within the release footprint and in relation to pertinent land features during the sampling event.

4.6 Soil Sampling Analytical Results

The thirteen (13) samples collected within the release footprint were delivered by third-party personnel to Eurofins Xenco laboratory for analysis on October 13th. The samples were analyzed for Chloride, TPH, and BTEX. Analytical results were compared to *Table I of the NMAC 19.15.29.12* and show Chloride, TPH and BTEX concentrations are below the NMOCD guidelines for Chloride, TPH and BTEX cleanup goals at all sample locations.

5.0 LABORATORY ANALYTICAL METHODS

All samples were analyzed for Chloride utilizing EPA method 300, TPH utilizing EPA method SW8015 Mod, BTEX using EPA method EPA 8021B. Laboratory analysis is provided in Appendix D.

Soil was collected in laboratory prepared glassware, placed on ice, and packed in a cooler. The sample coolers and completed chain-of-custody forms were relinquished to Eurofins Xenco Laboratories in Midland, TX for a normal turn-around time.

6.0 CONCLUSION

Based upon the data collected and the Site work completed by the third-party contractor, the constituents of concern (COCs) have been vertically or horizontally delineated at all sample locations.

Those response actions which are affirmed by laboratory analytical results do not need further remediation and the facility can be returned to operation.

Copies of the Initial and Final C-141 are provided in Appendix E.

APPENDIX A

Figures

Contango Resources

C.S. Caylor SR Estate 3
Figure 1

Contango Resources

C.S. Caylor SR Estate 3
Figure 2

Contango Resources

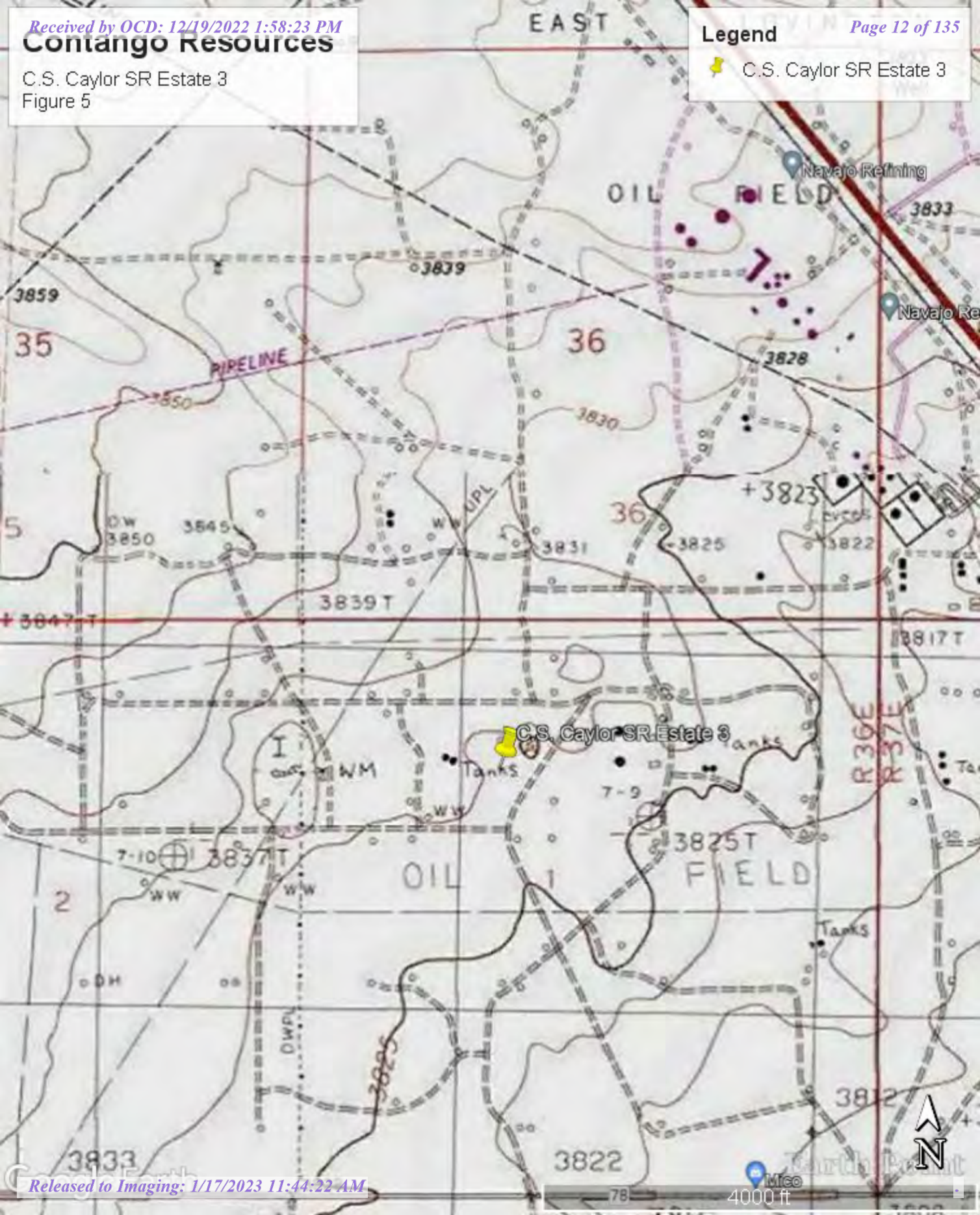
C.S. Caylor SR Estate 3
Figure 3

Contango Resource

C.S. Caylor SR State 3
Figure 4

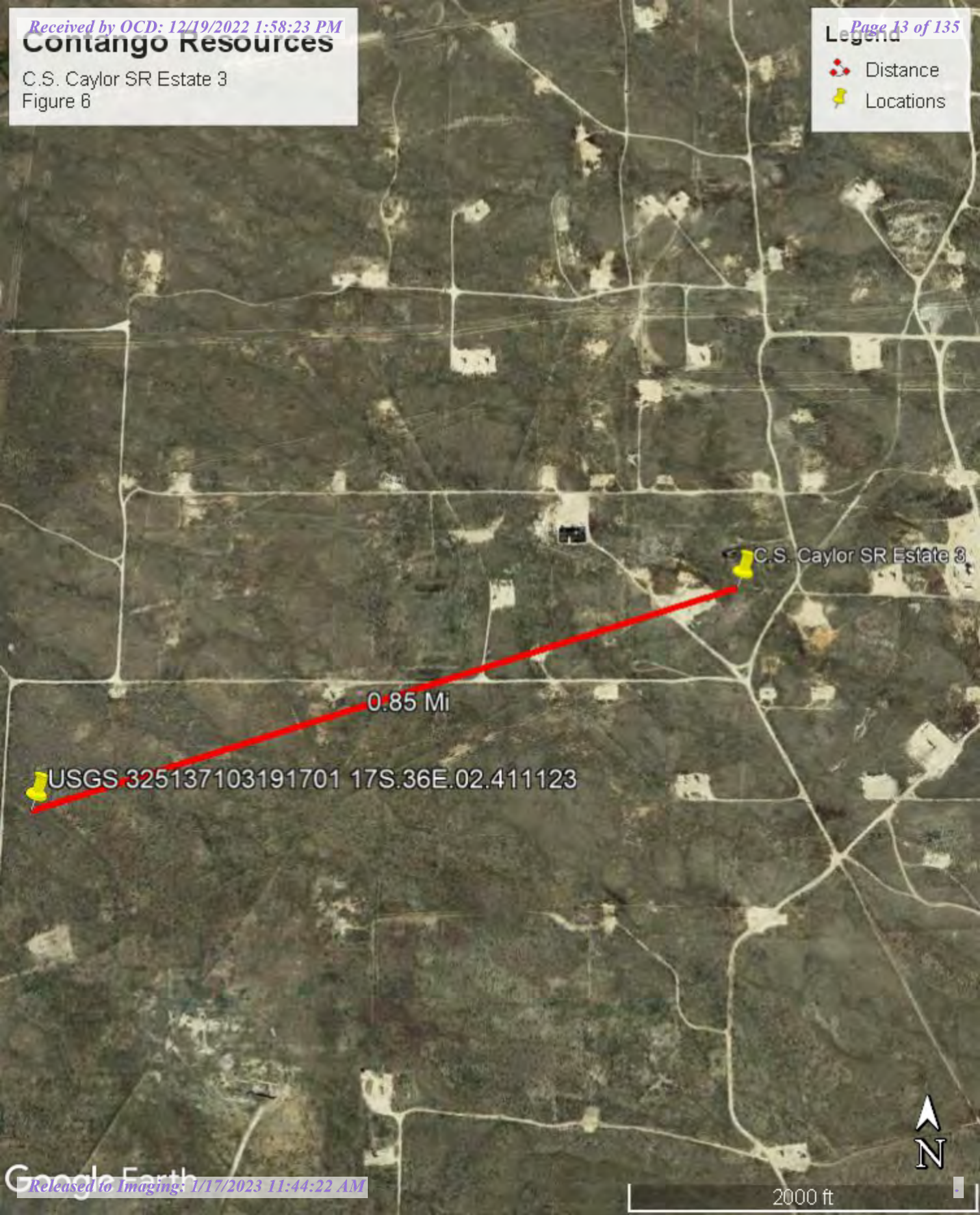
Contango Resources

C.S. Caylor SR Estate 3
Figure 5



Contango Resources

C.S. Caylor SR Estate 3
Figure 6



APPENDIX B

Table 1

TABLE 1
Summary of Soil Sampling Analytical Results
Concentrations in Soil
Contango Oil & Gas Company
C.S. Caylor SR Estate 3
Lea County, New Mexico

Sample Location	Sample Date	Sample Depth (feet)	Soil Status	EPA 300	8015M				8021B				
				Chloride (mg/Kg)	Gasoline Range Organics (GRO) (mg/Kg)	Diesel Range Organics (DRO) (mg/Kg)	Oil Range Organics (MRO) (mg/Kg)	Total TPH (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)
NMAC 19.15.29				600	NE	NE	NE	100	10	NE			50
Confirmation Sampling													
Side Wall 1	6/27/2022	–	Ex-Situ	**2,500**	<50	<50	<50	<50	<0.00199	0.0102	<0.00199	<0.00398	0.0128
Side Wall 2	6/27/2022	–	Ex-Situ	**789**	<50	<50	<50	<50	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402
Side Wall 3	6/27/2022	–	Ex-Situ	**2,050**	<50	<50	<50	<50	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403
Side Wall 4	6/27/2022	–	Ex-Situ	**2,060**	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401
Side Wall 5	6/27/2022	–	Ex-Situ	**2,230**	<50	<50	<50	<50	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403
Side Wall 6	6/27/2022	–	Ex-Situ	**2,750**	<49.9	731	143	**874**	0.00296	<0.00199	0.00293	0.144	0.15
CS 1(3' EB)	6/27/2022	0-0.5'	Ex-Situ	**834**	<49.9	<49.9	50.6	50.6	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401
CS 2 (3' EB)	6/27/2022	0-0.5'	Ex-Situ	**948**	<50	69.8	<50	69.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402
CS 3 (3' EB)	6/27/2022	0-0.5'	Ex-Situ	**682**	<50	<50	<50	<50	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
CS 4 (3' EB)	6/27/2022	0-0.5'	Ex-Situ	**1,070**	<50	<50	<50	<50	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398
CS 5 (3' EB)	6/27/2022	0-0.5'	Ex-Situ	**3,690**	<50	<50	<50	<50	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396
CS 6 (3' EB)	6/27/2022	0-0.5'	Ex-Situ	**842**	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397

mg/Kg - milligrams per Kilogram

Concentrations in **BOLD** exceed remediation guidelines

BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes analyzed by EPA method 8021B

NE - not established

— = not determined

In-situ - sample collected in-place

Total TPH reported values are rounded-off to 3-significant figures using the LIMS Odd/Even Rounding Rule which is a laboratory accepted standard

TABLE 2
Summary of Soil Sampling Analytical Results
Concentrations in Soil
Contango Oil & Gas Company
C.S. Caylor SR Estate 3
Lea County, New Mexico

Sample Location	Sample Date	Sample Depth (feet)	Soil Status	EPA 300	8015M				8021B				
				Chloride (mg/Kg)	Gasoline Range Organics (GRO) (mg/Kg)	Diesel Range Organics (DRO) (mg/Kg)	Oil Range Organics (MRO) (mg/Kg)	Total TPH (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	Total BTEX (mg/Kg)
NMAC 19.15.29				600	NE	NE	NE	100	10	NE			50
Confirmation Sampling													
FS1 EB 3'6" S2	10/13/2022	0-6"	In-situ	17.8	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396
FS2 EB 3'6" S2	10/13/2022	0-6"	In-situ	5.96	<50	<50	<50	<50	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399
FS3 EB 3'6" S2	10/13/2022	0-6"	In-situ	<5.04	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398
FS4 EB 3'6" S2	10/13/2022	0-6"	In-situ	10.3	<50	<50	<50	<50	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403
FS5 EB 3'6" S2	10/13/2022	0-6"	In-situ	57.1	<50	<50	<50	<50	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399
FS6 EB 3'6" S2	10/13/2022	0-6"	In-situ	34	<50	<50	<50	<50	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396
FS7 EB 3'6" S2	10/13/2022	0-6"	In-situ	13.9	<50	<50	<50	<50	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400
SW1 S2	10/13/2022	—	In-situ	21.5	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402
SW2 S2	10/13/2022	—	In-situ	21	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396
SW3 S2	10/13/2022	—	In-situ	33.8	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398
SW4 S2	10/13/2022	—	In-situ	50	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396
SW5 S2	10/13/2022	—	In-situ	6	<50	<50	<50	<50	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403
SW6 S2	10/13/2022	—	In-situ	73	<50	<50	<50	<50	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398

mg/Kg - milligrams per Kilogram

BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes analyzed by EPA method 8021B

NE - not established

— = not determined

In-situ - sample collected in-place

Total TPH reported values are rounded-off to 3-significant figures using the LIMS Odd/Even Rounding Rule which is a laboratory accepted standard

APPENDIX C

Photo Page

View East – Origin of spill. Cause of the release is due to property damage on associated flowline.

View East – A portion of the spill flow path (dark brown staining) within the release footprint.

View West – A portion of the spill flow path (dark brown staining) within the release footprint.

View West – Remediation activities (initial excavation) ongoing.

View East – Remediation activities (initial excavation) ongoing.

View East – Sample locations CS 1 through CS 6 and Side Wall 1 through Side Wall 6. Blue arrows identify sample location.

View South – Remediation activities (additional excavation) ongoing.

View East – Remediation activities (additional excavation) ongoing.

View East – Sample locations FS 3 through FS 7 and Side Wall 2 through Side Wall 5. Blue arrows identify sample location.

View West – Sample locations FS 1 through FS 2 and Side Wall 1 and Side Wall 6. Blue arrows identify sample location.

View East – Remediation activities (backfill) complete.

View West – Remediation activities (backfill) complete.

APPENDIX D

Laboratory Analysis

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-16364-1
Laboratory Sample Delivery Group: Lea Co NM
Client Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line

For:
American Safety Services Inc.
8715 Andrews Hwy
Odessa, Texas 79765

Attn: Thomas Franklin

JKramer

Authorized for release by:
7/5/2022 3:18:45 PM

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

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.

Table of Contents

Definitions/Glossary

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

Job ID: 880-16364-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-16364-1

Receipt
The samples were received on 6/27/2022 4:00 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 5.4°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-28613 and analytical batch 880-28609 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: Side Wall 6 (880-16364-6). 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 880-28545 and analytical batch 880-28968 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.

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 matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-28627 and analytical batch 880-28605 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.

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-28555 and analytical batch 880-28977 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.

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

Client Sample Results

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

Client Sample ID: Side Wall 1

Lab Sample ID: 880-16364-1
Date Collected: 06/27/22 09:30 **Matrix: Solid**
Date Received: 06/27/22 16:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/29/22 08:53	06/29/22 17:05	1
Toluene	**0.0102**		0.00199		mg/Kg		06/29/22 08:53	06/29/22 17:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/29/22 08:53	06/29/22 17:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/29/22 08:53	06/29/22 17:05	1
o-Xylene	**0.00258**		0.00199		mg/Kg		06/29/22 08:53	06/29/22 17:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/29/22 08:53	06/29/22 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*06/29/22 08:53*	*06/29/22 17:05*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*06/29/22 08:53*	*06/29/22 17:05*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.0128**		0.00398		mg/Kg			06/30/22 10:34	1

Method: 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			06/30/22 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/29/22 08:44	06/30/22 15:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/29/22 08:44	06/30/22 15:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/29/22 08:44	06/30/22 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*06/29/22 08:44*	*06/30/22 15:47*	*1*
o-Terphenyl	*116*		*70 - 130*	*06/29/22 08:44*	*06/30/22 15:47*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2500**		24.9		mg/Kg			07/04/22 19:40	5

Client Sample ID: Side Wall 2

Lab Sample ID: 880-16364-2
Date Collected: 06/27/22 09:35 **Matrix: Solid**
Date Received: 06/27/22 16:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/29/22 08:53	06/29/22 17:26	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/29/22 08:53	06/29/22 17:26	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/29/22 08:53	06/29/22 17:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/29/22 08:53	06/29/22 17:26	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/29/22 08:53	06/29/22 17:26	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/29/22 08:53	06/29/22 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*06/29/22 08:53*	*06/29/22 17:26*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*06/29/22 08:53*	*06/29/22 17:26*	*1*

Eurofins Midland

Client Sample Results

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

Client Sample ID: Side Wall 2

Lab Sample ID: 880-16364-2
Date Collected: 06/27/22 09:35 **Matrix: Solid**
Date Received: 06/27/22 16:00

Method: 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			06/30/22 10:34	1

Method: 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			06/30/22 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/29/22 08:44	06/30/22 16:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/29/22 08:44	06/30/22 16:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/29/22 08:44	06/30/22 16:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*06/29/22 08:44*	*06/30/22 16:31*	*1*
o-Terphenyl	*119*		*70 - 130*	*06/29/22 08:44*	*06/30/22 16:31*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**789**	**F1**	4.99		mg/Kg			07/04/22 19:47	1

Client Sample ID: Side Wall 3

Lab Sample ID: 880-16364-3
Date Collected: 06/27/22 09:40 **Matrix: Solid**
Date Received: 06/27/22 16:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/29/22 08:53	06/29/22 17:46	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/29/22 08:53	06/29/22 17:46	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/29/22 08:53	06/29/22 17:46	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/29/22 08:53	06/29/22 17:46	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/29/22 08:53	06/29/22 17:46	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/29/22 08:53	06/29/22 17:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*06/29/22 08:53*	*06/29/22 17:46*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*06/29/22 08:53*	*06/29/22 17:46*	*1*

Method: 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			06/30/22 10:34	1

Method: 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			06/30/22 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/29/22 08:44	06/30/22 16:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/29/22 08:44	06/30/22 16:54	1

Client Sample Results

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

Client Sample ID: Side Wall 3 — Lab Sample ID: 880-16364-3

Date Collected: 06/27/22 09:40 **Matrix: Solid**
Date Received: 06/27/22 16:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/29/22 08:44	06/30/22 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*06/29/22 08:44*	*06/30/22 16:54*	*1*
o-Terphenyl	*110*		*70 - 130*	*06/29/22 08:44*	*06/30/22 16:54*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2050**		24.8		mg/Kg			07/04/22 20:11	5

Client Sample ID: Side Wall 4 — Lab Sample ID: 880-16364-4

Date Collected: 06/27/22 09:45 **Matrix: Solid**
Date Received: 06/27/22 16:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/30/22 09:32	07/01/22 03:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/30/22 09:32	07/01/22 03:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/30/22 09:32	07/01/22 03:33	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		06/30/22 09:32	07/01/22 03:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/30/22 09:32	07/01/22 03:33	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		06/30/22 09:32	07/01/22 03:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*06/30/22 09:32*	*07/01/22 03:33*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*06/30/22 09:32*	*07/01/22 03:33*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/30/22 10:34	1

Method: 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			06/30/22 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/29/22 08:44	06/30/22 17:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/29/22 08:44	06/30/22 17:16	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/29/22 08:44	06/30/22 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*06/29/22 08:44*	*06/30/22 17:16*	*1*
o-Terphenyl	*108*		*70 - 130*	*06/29/22 08:44*	*06/30/22 17:16*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2060**		25.0		mg/Kg			07/04/22 20:19	5

Client Sample Results

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

Client Sample ID: Side Wall 5

Lab Sample ID: 880-16364-5
Date Collected: 06/27/22 09:50
Matrix: Solid
Date Received: 06/27/22 16:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		06/30/22 09:32	07/01/22 03:53	1
Toluene	<0.00202	U	0.00202		mg/Kg		06/30/22 09:32	07/01/22 03:53	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		06/30/22 09:32	07/01/22 03:53	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		06/30/22 09:32	07/01/22 03:53	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		06/30/22 09:32	07/01/22 03:53	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		06/30/22 09:32	07/01/22 03:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*06/30/22 09:32*	*07/01/22 03:53*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*06/30/22 09:32*	*07/01/22 03:53*	*1*

Method: 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			06/30/22 10:34	1

Method: 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			06/30/22 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/29/22 08:44	06/30/22 17:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/29/22 08:44	06/30/22 17:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/29/22 08:44	06/30/22 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*06/29/22 08:44*	*06/30/22 17:38*	*1*
o-Terphenyl	*116*		*70 - 130*	*06/29/22 08:44*	*06/30/22 17:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2230**		25.0		mg/Kg			07/04/22 20:42	5

Client Sample ID: Side Wall 6

Lab Sample ID: 880-16364-6
Date Collected: 06/27/22 09:55
Matrix: Solid
Date Received: 06/27/22 16:00

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00296**		0.00199		mg/Kg		06/30/22 09:32	07/01/22 04:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/30/22 09:32	07/01/22 04:14	1
Ethylbenzene	**0.00293**		0.00199		mg/Kg		06/30/22 09:32	07/01/22 04:14	1
m-Xylene & p-Xylene	**0.00925**		0.00398		mg/Kg		06/30/22 09:32	07/01/22 04:14	1
o-Xylene	**0.135**		0.00199		mg/Kg		06/30/22 09:32	07/01/22 04:14	1
Xylenes, Total	**0.144**		0.00398		mg/Kg		06/30/22 09:32	07/01/22 04:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*141*	*S1+*	*70 - 130*	*06/30/22 09:32*	*07/01/22 04:14*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*06/30/22 09:32*	*07/01/22 04:14*	*1*

Client Sample Results

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

Client Sample ID: Side Wall 6 — Lab Sample ID: 880-16364-6

Date Collected: 06/27/22 09:55 **Matrix: Solid**
Date Received: 06/27/22 16:00

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.150**		0.00398		mg/Kg			06/30/22 10:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**874**		49.9		mg/Kg			06/30/22 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/29/22 08:44	06/30/22 17:59	1
Diesel Range Organics (Over C10-C28)	**731**		49.9		mg/Kg		06/29/22 08:44	06/30/22 17:59	1
Oil Range Organics (Over C28-C36)	**143**		49.9		mg/Kg		06/29/22 08:44	06/30/22 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*06/29/22 08:44*	*06/30/22 17:59*	*1*
o-Terphenyl	*108*		*70 - 130*	*06/29/22 08:44*	*06/30/22 17:59*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2750**		25.0		mg/Kg			07/04/22 20:50	5

Client Sample ID: CS 1 (3'EB) — Lab Sample ID: 880-16364-7

Date Collected: 06/27/22 10:00 **Matrix: Solid**
Date Received: 06/27/22 16:00
Sample Depth: 0.0'-0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200		mg/Kg		06/28/22 13:09	07/03/22 18:24	1
Toluene	<0.00200	U F1	0.00200		mg/Kg		06/28/22 13:09	07/03/22 18:24	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		06/28/22 13:09	07/03/22 18:24	1
m-Xylene & p-Xylene	<0.00401	U F1	0.00401		mg/Kg		06/28/22 13:09	07/03/22 18:24	1
o-Xylene	<0.00200	U F1	0.00200		mg/Kg		06/28/22 13:09	07/03/22 18:24	1
Xylenes, Total	<0.00401	U F1	0.00401		mg/Kg		06/28/22 13:09	07/03/22 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*06/28/22 13:09*	*07/03/22 18:24*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*06/28/22 13:09*	*07/03/22 18:24*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			06/30/22 10:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**50.6**		49.9		mg/Kg			06/30/22 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/29/22 08:44	06/30/22 18:21	1

Client Sample Results

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

Client Sample ID: CS 1 (3'EB)

Lab Sample ID: 880-16364-7
Matrix: Solid
Date Collected: 06/27/22 10:00
Date Received: 06/27/22 16:00
Sample Depth: 0.0'-0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/29/22 08:44	06/30/22 18:21	1
Oll Range Organics (Over C28-C36)	**50.6**		49.9		mg/Kg		06/29/22 08:44	06/30/22 18:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*06/29/22 08:44*	*06/30/22 18:21*	*1*
o-Terphenyl	*112*		*70 - 130*	*06/29/22 08:44*	*06/30/22 18:21*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**834**		25.2		mg/Kg			07/04/22 20:58	5

Client Sample ID: CS 2 (3'EB)

Lab Sample ID: 880-16364-8
Matrix: Solid
Date Collected: 06/27/22 10:05
Date Received: 06/27/22 16:00
Sample Depth: 0.0'-0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		06/28/22 13:09	07/03/22 18:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		06/28/22 13:09	07/03/22 18:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		06/28/22 13:09	07/03/22 18:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		06/28/22 13:09	07/03/22 18:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		06/28/22 13:09	07/03/22 18:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		06/28/22 13:09	07/03/22 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*06/28/22 13:09*	*07/03/22 18:50*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*06/28/22 13:09*	*07/03/22 18:50*	*1*

Method: 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			06/30/22 10:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**69.8**		50.0		mg/Kg			06/30/22 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/29/22 08:44	06/30/22 18:43	1
Diesel Range Organics (Over C10-C28)	**69.8**		50.0		mg/Kg		06/29/22 08:44	06/30/22 18:43	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/29/22 08:44	06/30/22 18:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*06/29/22 08:44*	*06/30/22 18:43*	*1*
o-Terphenyl	*115*		*70 - 130*	*06/29/22 08:44*	*06/30/22 18:43*	*1*

Client Sample Results

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

Client Sample ID: CS 2 (3'EB)

Lab Sample ID: 880-16364-8
Matrix: Solid
Date Collected: 06/27/22 10:05
Date Received: 06/27/22 16:00
Sample Depth: 0.0'-0.5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	948		5.05		mg/Kg			07/04/22 21:06	1

Client Sample ID: CS 3 (3'EB)

Lab Sample ID: 880-16364-9
Matrix: Solid
Date Collected: 06/27/22 10:10
Date Received: 06/27/22 16:00
Sample Depth: 0.0'-0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/28/22 13:09	07/03/22 19:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/28/22 13:09	07/03/22 19:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/28/22 13:09	07/03/22 19:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/28/22 13:09	07/03/22 19:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/28/22 13:09	07/03/22 19:16	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/28/22 13:09	07/03/22 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*06/28/22 13:09*	*07/03/22 19:16*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*06/28/22 13:09*	*07/03/22 19:16*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			06/30/22 10:34	1

Method: 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			06/30/22 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/29/22 08:44	06/30/22 19:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/29/22 08:44	06/30/22 19:05	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/29/22 08:44	06/30/22 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*06/29/22 08:44*	*06/30/22 19:05*	*1*
o-Terphenyl	*114*		*70 - 130*	*06/29/22 08:44*	*06/30/22 19:05*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	682		4.98		mg/Kg			07/04/22 21:14	1

Client Sample Results

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

Client Sample ID: CS 4 (3'EB)

Lab Sample ID: 880-16364-10
Matrix: Solid
Date Collected: 06/27/22 10:15
Date Received: 06/27/22 16:00
Sample Depth: 0.0'-0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		06/28/22 13:09	07/03/22 19:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		06/28/22 13:09	07/03/22 19:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		06/28/22 13:09	07/03/22 19:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		06/28/22 13:09	07/03/22 19:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		06/28/22 13:09	07/03/22 19:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		06/28/22 13:09	07/03/22 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*06/28/22 13:09*	*07/03/22 19:43*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*06/28/22 13:09*	*07/03/22 19:43*	*1*

Method: 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			06/30/22 10:34	1

Method: 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			06/30/22 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/29/22 08:44	06/30/22 19:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/29/22 08:44	06/30/22 19:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/29/22 08:44	06/30/22 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*06/29/22 08:44*	*06/30/22 19:26*	*1*
o-Terphenyl	*122*		*70 - 130*	*06/29/22 08:44*	*06/30/22 19:26*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1070**		5.05		mg/Kg			07/04/22 21:22	1

Client Sample ID: CS 5 (3'EB)

Lab Sample ID: 880-16364-11
Matrix: Solid
Date Collected: 06/27/22 10:20
Date Received: 06/27/22 16:00
Sample Depth: 0.0'-0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/28/22 13:09	07/03/22 20:09	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/28/22 13:09	07/03/22 20:09	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/28/22 13:09	07/03/22 20:09	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		06/28/22 13:09	07/03/22 20:09	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/28/22 13:09	07/03/22 20:09	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		06/28/22 13:09	07/03/22 20:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*06/28/22 13:09*	*07/03/22 20:09*	*1*

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Client Sample Results

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

Client Sample ID: CS 5 (3'EB)

Lab Sample ID: 880-16364-11
Matrix: Solid
Date Collected: 06/27/22 10:20
Date Received: 06/27/22 16:00
Sample Depth: 0.0'-0.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*06/28/22 13:09*	*07/03/22 20:09*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			06/30/22 10:34	1

Method: 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			06/30/22 09:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/29/22 08:44	06/30/22 19:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/29/22 08:44	06/30/22 19:48	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/29/22 08:44	06/30/22 19:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*103*		*70 - 130*	*06/29/22 08:44*	*06/30/22 19:48*	*1*
o-Terphenyl	*115*		*70 - 130*	*06/29/22 08:44*	*06/30/22 19:48*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3690**		24.9		mg/Kg			07/04/22 21:29	5

Client Sample ID: CS 6 (3'EB)

Lab Sample ID: 880-16364-12
Matrix: Solid
Date Collected: 06/27/22 10:25
Date Received: 06/27/22 16:00
Sample Depth: 0.0'-0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		06/28/22 13:09	07/03/22 20:35	1
Toluene	<0.00198	U	0.00198		mg/Kg		06/28/22 13:09	07/03/22 20:35	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		06/28/22 13:09	07/03/22 20:35	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		06/28/22 13:09	07/03/22 20:35	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		06/28/22 13:09	07/03/22 20:35	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		06/28/22 13:09	07/03/22 20:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*	*06/28/22 13:09*	*07/03/22 20:35*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*06/28/22 13:09*	*07/03/22 20:35*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			06/30/22 10:34	1

Method: 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			06/30/22 09:27	1

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Client Sample Results

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

Client Sample ID: CS 6 (3'EB) **Lab Sample ID: 880-16364-12**
Date Collected: 06/27/22 10:25 **Matrix: Solid**
Date Received: 06/27/22 16:00
Sample Depth: 0.0'-0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		06/29/22 09:57	06/29/22 15:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		06/29/22 09:57	06/29/22 15:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		06/29/22 09:57	06/29/22 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*06/29/22 09:57*	*06/29/22 15:06*	*1*
o-Terphenyl	*96*		*70 - 130*	*06/29/22 09:57*	*06/29/22 15:06*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**842**		4.98		mg/Kg			07/05/22 03:07	1

Surrogate Summary

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-16364-1	Side Wall 1	111	83
880-16364-2	Side Wall 2	111	102
880-16364-3	Side Wall 3	108	99
880-16364-4	Side Wall 4	96	86
880-16364-5	Side Wall 5	110	94
880-16364-6	Side Wall 6	141 S1+	93
880-16364-7	CS 1 (3'EB)	102	93
880-16364-7 MS	CS 1 (3'EB)	76	96
880-16364-7 MSD	CS 1 (3'EB)	94	98
880-16364-8	CS 2 (3'EB)	83	94
880-16364-9	CS 3 (3'EB)	87	105
880-16364-10	CS 4 (3'EB)	98	106
880-16364-11	CS 5 (3'EB)	87	103
880-16364-12	CS 6 (3'EB)	76	98
880-16392-A-1-K MS	Matrix Spike	112	104
880-16392-A-1-L MSD	Matrix Spike Duplicate	112	103
890-2470-A-1-D MS	Matrix Spike	108	101
890-2470-A-1-E MSD	Matrix Spike Duplicate	106	99
LCS 880-28545/1-A	Lab Control Sample	99	103
LCS 880-28613/1-A	Lab Control Sample	105	100
LCS 880-28734/1-A	Lab Control Sample	110	102
LCSD 880-28545/2-A	Lab Control Sample Dup	101	97
LCSD 880-28613/2-A	Lab Control Sample Dup	106	102
LCSD 880-28734/2-A	Lab Control Sample Dup	110	101
MB 880-28545/5-A	Method Blank	73	91
MB 880-28613/5-A	Method Blank	104	90
MB 880-28677/5-A	Method Blank	102	88
MB 880-28734/5-A	Method Blank	94	90

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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-16364-1	Side Wall 1	102	116
880-16364-2	Side Wall 2	105	119
880-16364-3	Side Wall 3	93	110
880-16364-4	Side Wall 4	92	108
880-16364-5	Side Wall 5	98	116
880-16364-6	Side Wall 6	95	108
880-16364-7	CS 1 (3'EB)	102	112
880-16364-8	CS 2 (3'EB)	104	115
880-16364-9	CS 3 (3'EB)	102	114
880-16364-10	CS 4 (3'EB)	110	122
880-16364-11	CS 5 (3'EB)	103	115

Surrogate Summary

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
880-16364-12	CS 6 (3'EB)	91	96								
880-16414-A-21-E MS	Matrix Spike	107	97								
880-16414-A-21-F MSD	Matrix Spike Duplicate	92	83								
890-2468-A-1-D MS	Matrix Spike	100	96								
890-2468-A-1-E MSD	Matrix Spike Duplicate	88	85								
LCS 880-28611/2-A	Lab Control Sample	85	90								
LCS 880-28627/2-A	Lab Control Sample	99	104								
LCSD 880-28611/3-A	Lab Control Sample Dup	98	102								
LCSD 880-28627/3-A	Lab Control Sample Dup	90	93								
MB 880-28611/1-A	Method Blank	102	117								
MB 880-28627/1-A	Method Blank	99	111								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-28545/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 28968 **Prep Batch: 28545**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/28/22 13:09	07/03/22 17:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/28/22 13:09	07/03/22 17:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/28/22 13:09	07/03/22 17:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/28/22 13:09	07/03/22 17:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/28/22 13:09	07/03/22 17:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/28/22 13:09	07/03/22 17:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*70 - 130*	*06/28/22 13:09*	*07/03/22 17:58*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*06/28/22 13:09*	*07/03/22 17:58*	*1*

Lab Sample ID: LCS 880-28545/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 28968 **Prep Batch: 28545**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08660		mg/Kg		87	70 - 130		
Toluene			0.100	0.08757		mg/Kg		88	70 - 130		
Ethylbenzene			0.100	0.08455		mg/Kg		85	70 - 130		
m-Xylene & p-Xylene			0.200	0.1729		mg/Kg		86	70 - 130		
o-Xylene			0.100	0.09586		mg/Kg		96	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 880-28545/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 28968 **Prep Batch: 28545**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09170		mg/Kg		92	70 - 130	6	35
Toluene			0.100	0.08949		mg/Kg		89	70 - 130	2	35
Ethylbenzene			0.100	0.08729		mg/Kg		87	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.1795		mg/Kg		90	70 - 130	4	35
o-Xylene			0.100	0.1009		mg/Kg		101	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 880-16364-7 MS **Client Sample ID: CS 1 (3'EB)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 28968 **Prep Batch: 28545**

Analyte			Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			<0.00200	U F1	0.0996	<0.00199	U F1	mg/Kg		0	70 - 130		
Toluene			<0.00200	U F1	0.0996	<0.00199	U F1	mg/Kg		1	70 - 130		

QC Sample Results

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

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

Lab Sample ID: 880-16364-7 MS **Client Sample ID: CS 1 (3'EB)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 28968 **Prep Batch: 28545**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U F1	0.0996	0.003230	F1	mg/Kg		3	70 - 130
m-Xylene & p-Xylene	<0.00401	U F1	0.199	0.007513	F1	mg/Kg		4	70 - 130
o-Xylene	<0.00200	U F1	0.0996	0.004078	F1	mg/Kg		4	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 880-16364-7 MSD **Client Sample ID: CS 1 (3'EB)**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 28968 **Prep Batch: 28545**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.101	<0.00201	U F1	mg/Kg		0	70 - 130	NC	35
Toluene	<0.00200	U F1	0.101	<0.00201	U F1	mg/Kg		0	70 - 130	NC	35
Ethylbenzene	<0.00200	U F1	0.101	<0.00201	U F1	mg/Kg		0	70 - 130	NC	35
m-Xylene & p-Xylene	<0.00401	U F1	0.201	<0.00402	U F1	mg/Kg		0	70 - 130	NC	35
o-Xylene	<0.00200	U F1	0.101	<0.00201	U F1	mg/Kg		0	70 - 130	NC	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: MB 880-28613/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 28609 **Prep Batch: 28613**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/29/22 08:53	06/29/22 10:54	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/29/22 08:53	06/29/22 10:54	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/29/22 08:53	06/29/22 10:54	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/29/22 08:53	06/29/22 10:54	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/29/22 08:53	06/29/22 10:54	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/29/22 08:53	06/29/22 10:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*06/29/22 08:53*	*06/29/22 10:54*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*06/29/22 08:53*	*06/29/22 10:54*	*1*

Lab Sample ID: LCS 880-28613/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 28609 **Prep Batch: 28613**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07988		mg/Kg		80	70 - 130
Toluene	0.100	0.08134		mg/Kg		81	70 - 130
Ethylbenzene	0.100	0.08448		mg/Kg		84	70 - 130
m-Xylene & p-Xylene	0.200	0.1759		mg/Kg		88	70 - 130

Eurofins Midland

QC Sample Results

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

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

Lab Sample ID: LCS 880-28613/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 28609 **Prep Batch: 28613**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.09016		mg/Kg		90	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-28613/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 28609 **Prep Batch: 28613**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09618		mg/Kg		96	70 - 130	19	35
Toluene			0.100	0.09651		mg/Kg		97	70 - 130	17	35
Ethylbenzene			0.100	0.1003		mg/Kg		100	70 - 130	17	35
m-Xylene & p-Xylene			0.200	0.2059		mg/Kg		103	70 - 130	16	35
o-Xylene			0.100	0.1038		mg/Kg		104	70 - 130	14	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-16392-A-1-K MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 28609 **Prep Batch: 28613**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.0996	0.08254		mg/Kg		83	70 - 130		
Toluene	<0.00200	U F1	0.0996	0.06825	F1	mg/Kg		69	70 - 130		
Ethylbenzene	<0.00200	U F1	0.0996	0.05787	F1	mg/Kg		58	70 - 130		
m-Xylene & p-Xylene	<0.00401	U F1	0.199	0.1179	F1	mg/Kg		59	70 - 130		
o-Xylene	<0.00200	U F1	0.0996	0.06017	F1	mg/Kg		60	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-16392-A-1-L MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 28609 **Prep Batch: 28613**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.06969		mg/Kg		70	70 - 130	17	35
Toluene	<0.00200	U F1	0.100	0.05615	F1	mg/Kg		56	70 - 130	19	35
Ethylbenzene	<0.00200	U F1	0.100	0.04610	F1	mg/Kg		46	70 - 130	23	35
m-Xylene & p-Xylene	<0.00401	U F1	0.200	0.09341	F1	mg/Kg		47	70 - 130	23	35
o-Xylene	<0.00200	U F1	0.100	0.04717	F1	mg/Kg		47	70 - 130	24	35

QC Sample Results

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

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

Lab Sample ID: 880-16392-A-1-L MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 28609 **Prep Batch: 28613**

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 880-28677/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 28709 **Prep Batch: 28677**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/29/22 14:58	06/30/22 11:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/29/22 14:58	06/30/22 11:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/29/22 14:58	06/30/22 11:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/29/22 14:58	06/30/22 11:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/29/22 14:58	06/30/22 11:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/29/22 14:58	06/30/22 11:35	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	06/29/22 14:58	06/30/22 11:35	1
1,4-Difluorobenzene (Surr)	88		70 - 130	06/29/22 14:58	06/30/22 11:35	1

Lab Sample ID: MB 880-28734/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 28709 **Prep Batch: 28734**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		06/30/22 09:32	06/30/22 22:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		06/30/22 09:32	06/30/22 22:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		06/30/22 09:32	06/30/22 22:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		06/30/22 09:32	06/30/22 22:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		06/30/22 09:32	06/30/22 22:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		06/30/22 09:32	06/30/22 22:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	06/30/22 09:32	06/30/22 22:23	1
1,4-Difluorobenzene (Surr)	90		70 - 130	06/30/22 09:32	06/30/22 22:23	1

Lab Sample ID: LCS 880-28734/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 28709 **Prep Batch: 28734**

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	0.1002		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.1065		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	0.200	0.2195		mg/Kg		110	70 - 130
o-Xylene	0.100	0.1111		mg/Kg		111	70 - 130

QC Sample Results

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

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

Lab Sample ID: LCS 880-28734/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 28709 **Prep Batch: 28734**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-28734/2-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 28709 **Prep Batch: 28734**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09818		mg/Kg		98	70 - 130	4	35
Toluene			0.100	0.09649		mg/Kg		96	70 - 130	4	35
Ethylbenzene			0.100	0.1035		mg/Kg		103	70 - 130	3	35
m-Xylene & p-Xylene			0.200	0.2130		mg/Kg		107	70 - 130	3	35
o-Xylene			0.100	0.1083		mg/Kg		108	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-2470-A-1-D MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 28709 **Prep Batch: 28734**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.09578		mg/Kg		96	70 - 130
Toluene	<0.00200	U	0.0998	0.09286		mg/Kg		92	70 - 130
Ethylbenzene	<0.00200	U	0.0998	0.1008		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2039		mg/Kg		102	70 - 130
o-Xylene	<0.00200	U	0.0998	0.1030		mg/Kg		103	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-2470-A-1-E MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 28709 **Prep Batch: 28734**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0994	0.1004		mg/Kg		101	70 - 130	5	35
Toluene	<0.00200	U	0.0994	0.09949		mg/Kg		99	70 - 130	7	35
Ethylbenzene	<0.00200	U	0.0994	0.1070		mg/Kg		108	70 - 130	6	35
m-Xylene & p-Xylene	<0.00399	U	0.199	0.2180		mg/Kg		110	70 - 130	7	35
o-Xylene	<0.00200	U	0.0994	0.1110		mg/Kg		112	70 - 130	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

QC Sample Results

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

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

Lab Sample ID: MB 880-28611/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 28717 **Prep Batch: 28611**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/29/22 08:44	06/30/22 10:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/29/22 08:44	06/30/22 10:43	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/29/22 08:44	06/30/22 10:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*06/29/22 08:44*	*06/30/22 10:43*	*1*
o-Terphenyl	*117*		*70 - 130*	*06/29/22 08:44*	*06/30/22 10:43*	*1*

Lab Sample ID: LCS 880-28611/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 28717 **Prep Batch: 28611**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	807.5		mg/Kg		81	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1033		mg/Kg		103	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*85*		*70 - 130*
o-Terphenyl	*90*		*70 - 130*

Lab Sample ID: LCSD 880-28611/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 28717 **Prep Batch: 28611**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	900.3		mg/Kg		90	70 - 130	11	20
Diesel Range Organics (Over C10-C28)			1000	1118		mg/Kg		112	70 - 130	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*98*		*70 - 130*
o-Terphenyl	*102*		*70 - 130*

Lab Sample ID: 890-2468-A-1-D MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 28717 **Prep Batch: 28611**

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	996	1246		mg/Kg		125	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	996	1179		mg/Kg		118	70 - 130		

QC Sample Results

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

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

Lab Sample ID: 890-2468-A-1-D MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 28717 **Prep Batch: 28611**

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: 890-2468-A-1-E MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 28717 **Prep Batch: 28611**

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	996	1097		mg/Kg		110	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	<49.9	U	996	1071		mg/Kg		108	70 - 130	10	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	85		70 - 130

Lab Sample ID: MB 880-28627/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 28605 **Prep Batch: 28627**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		06/29/22 09:57	06/29/22 10:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		06/29/22 09:57	06/29/22 10:05	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		06/29/22 09:57	06/29/22 10:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	06/29/22 09:57	06/29/22 10:05	1
o-Terphenyl	111		70 - 130	06/29/22 09:57	06/29/22 10:05	1

Lab Sample ID: LCS 880-28627/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 28605 **Prep Batch: 28627**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	874.4		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1061		mg/Kg		106	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	104		70 - 130

QC Sample Results

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

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

Lab Sample ID: LCSD 880-28627/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 28605 **Prep Batch: 28627**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	791.5		mg/Kg		79	70 - 130	10	20
Diesel Range Organics (Over C10-C28)			1000	917.5		mg/Kg		92	70 - 130	15	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*90*		*70 - 130*
o-Terphenyl	*93*		*70 - 130*

Lab Sample ID: 880-16414-A-21-E MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 28605 **Prep Batch: 28627**

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 F1	996	1441	F1	mg/Kg		145	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	996	1312		mg/Kg		129	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*107*		*70 - 130*
o-Terphenyl	*97*		*70 - 130*

Lab Sample ID: 880-16414-A-21-F MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 28605 **Prep Batch: 28627**

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 F1	996	1243		mg/Kg		125	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	<49.9	U	996	1134		mg/Kg		111	70 - 130	15	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*92*		*70 - 130*
o-Terphenyl	*83*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-28555/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 28977

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/04/22 17:34	1

QC Sample Results

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-28555/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 28977

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	246.0		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-28555/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 28977

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	245.9		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 880-16364-2 MS — **Client Sample ID: Side Wall 2**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 28977

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	789	F1	250	1006	F1	mg/Kg		87	90 - 110		

Lab Sample ID: 880-16364-2 MSD — **Client Sample ID: Side Wall 2**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 28977

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	789	F1	250	1005	F1	mg/Kg		87	90 - 110	0	20

Lab Sample ID: MB 880-28559/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 28979

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			07/05/22 02:44	1

Lab Sample ID: LCS 880-28559/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 28979

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	250.0		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-28559/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 28979

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	250.5		mg/Kg		100	90 - 110	0	20

Lab Sample ID: 880-16364-12 MS — **Client Sample ID: CS 6 (3'EB)**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 28979

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	842		249	1079		mg/Kg		95	90 - 110		

QC Sample Results

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-16364-12 MSD **Client Sample ID: CS 6 (3'EB)**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 28979

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	842		249	1080		mg/Kg		96	90 - 110	0	20

QC Association Summary

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

GC VOA

Prep Batch: 28545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16364-7	CS 1 (3'EB)	Total/NA	Solid	5035	
880-16364-8	CS 2 (3'EB)	Total/NA	Solid	5035	
880-16364-9	CS 3 (3'EB)	Total/NA	Solid	5035	
880-16364-10	CS 4 (3'EB)	Total/NA	Solid	5035	
880-16364-11	CS 5 (3'EB)	Total/NA	Solid	5035	
880-16364-12	CS 6 (3'EB)	Total/NA	Solid	5035	
MB 880-28545/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-28545/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-28545/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-16364-7 MS	CS 1 (3'EB)	Total/NA	Solid	5035	
880-16364-7 MSD	CS 1 (3'EB)	Total/NA	Solid	5035	

Analysis Batch: 28609

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16364-1	Side Wall 1	Total/NA	Solid	8021B	28613
880-16364-2	Side Wall 2	Total/NA	Solid	8021B	28613
880-16364-3	Side Wall 3	Total/NA	Solid	8021B	28613
MB 880-28613/5-A	Method Blank	Total/NA	Solid	8021B	28613
LCS 880-28613/1-A	Lab Control Sample	Total/NA	Solid	8021B	28613
LCSD 880-28613/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	28613
880-16392-A-1-K MS	Matrix Spike	Total/NA	Solid	8021B	28613
880-16392-A-1-L MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	28613

Prep Batch: 28613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16364-1	Side Wall 1	Total/NA	Solid	5035	
880-16364-2	Side Wall 2	Total/NA	Solid	5035	
880-16364-3	Side Wall 3	Total/NA	Solid	5035	
MB 880-28613/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-28613/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-28613/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-16392-A-1-K MS	Matrix Spike	Total/NA	Solid	5035	
880-16392-A-1-L MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 28677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-28677/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 28709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16364-4	Side Wall 4	Total/NA	Solid	8021B	28734
880-16364-5	Side Wall 5	Total/NA	Solid	8021B	28734
880-16364-6	Side Wall 6	Total/NA	Solid	8021B	28734
MB 880-28677/5-A	Method Blank	Total/NA	Solid	8021B	28677
MB 880-28734/5-A	Method Blank	Total/NA	Solid	8021B	28734
LCS 880-28734/1-A	Lab Control Sample	Total/NA	Solid	8021B	28734
LCSD 880-28734/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	28734
890-2470-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	28734
890-2470-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	28734

QC Association Summary

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

GC VOA

Prep Batch: 28734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16364-4	Side Wall 4	Total/NA	Solid	5035	
880-16364-5	Side Wall 5	Total/NA	Solid	5035	
880-16364-6	Side Wall 6	Total/NA	Solid	5035	
MB 880-28734/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-28734/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-28734/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2470-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
890-2470-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 28742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16364-1	Side Wall 1	Total/NA	Solid	Total BTEX	
880-16364-2	Side Wall 2	Total/NA	Solid	Total BTEX	
880-16364-3	Side Wall 3	Total/NA	Solid	Total BTEX	
880-16364-4	Side Wall 4	Total/NA	Solid	Total BTEX	
880-16364-5	Side Wall 5	Total/NA	Solid	Total BTEX	
880-16364-6	Side Wall 6	Total/NA	Solid	Total BTEX	
880-16364-7	CS 1 (3'EB)	Total/NA	Solid	Total BTEX	
880-16364-8	CS 2 (3'EB)	Total/NA	Solid	Total BTEX	
880-16364-9	CS 3 (3'EB)	Total/NA	Solid	Total BTEX	
880-16364-10	CS 4 (3'EB)	Total/NA	Solid	Total BTEX	
880-16364-11	CS 5 (3'EB)	Total/NA	Solid	Total BTEX	
880-16364-12	CS 6 (3'EB)	Total/NA	Solid	Total BTEX	

Analysis Batch: 28968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16364-7	CS 1 (3'EB)	Total/NA	Solid	8021B	28545
880-16364-8	CS 2 (3'EB)	Total/NA	Solid	8021B	28545
880-16364-9	CS 3 (3'EB)	Total/NA	Solid	8021B	28545
880-16364-10	CS 4 (3'EB)	Total/NA	Solid	8021B	28545
880-16364-11	CS 5 (3'EB)	Total/NA	Solid	8021B	28545
880-16364-12	CS 6 (3'EB)	Total/NA	Solid	8021B	28545
MB 880-28545/5-A	Method Blank	Total/NA	Solid	8021B	28545
LCS 880-28545/1-A	Lab Control Sample	Total/NA	Solid	8021B	28545
LCSD 880-28545/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	28545
880-16364-7 MS	CS 1 (3'EB)	Total/NA	Solid	8021B	28545
880-16364-7 MSD	CS 1 (3'EB)	Total/NA	Solid	8021B	28545

GC Semi VOA

Analysis Batch: 28605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16364-12	CS 6 (3'EB)	Total/NA	Solid	8015B NM	28627
MB 880-28627/1-A	Method Blank	Total/NA	Solid	8015B NM	28627
LCS 880-28627/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	28627
LCSD 880-28627/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	28627
880-16414-A-21-E MS	Matrix Spike	Total/NA	Solid	8015B NM	28627
880-16414-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	28627

QC Association Summary

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

GC Semi VOA

Prep Batch: 28611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16364-1	Side Wall 1	Total/NA	Solid	8015NM Prep	
880-16364-2	Side Wall 2	Total/NA	Solid	8015NM Prep	
880-16364-3	Side Wall 3	Total/NA	Solid	8015NM Prep	
880-16364-4	Side Wall 4	Total/NA	Solid	8015NM Prep	
880-16364-5	Side Wall 5	Total/NA	Solid	8015NM Prep	
880-16364-6	Side Wall 6	Total/NA	Solid	8015NM Prep	
880-16364-7	CS 1 (3'EB)	Total/NA	Solid	8015NM Prep	
880-16364-8	CS 2 (3'EB)	Total/NA	Solid	8015NM Prep	
880-16364-9	CS 3 (3'EB)	Total/NA	Solid	8015NM Prep	
880-16364-10	CS 4 (3'EB)	Total/NA	Solid	8015NM Prep	
880-16364-11	CS 5 (3'EB)	Total/NA	Solid	8015NM Prep	
MB 880-28611/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-28611/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-28611/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2468-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2468-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 28627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16364-12	CS 6 (3'EB)	Total/NA	Solid	8015NM Prep	
MB 880-28627/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-28627/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-28627/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-16414-A-21-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-16414-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 28717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16364-1	Side Wall 1	Total/NA	Solid	8015B NM	28611
880-16364-2	Side Wall 2	Total/NA	Solid	8015B NM	28611
880-16364-3	Side Wall 3	Total/NA	Solid	8015B NM	28611
880-16364-4	Side Wall 4	Total/NA	Solid	8015B NM	28611
880-16364-5	Side Wall 5	Total/NA	Solid	8015B NM	28611
880-16364-6	Side Wall 6	Total/NA	Solid	8015B NM	28611
880-16364-7	CS 1 (3'EB)	Total/NA	Solid	8015B NM	28611
880-16364-8	CS 2 (3'EB)	Total/NA	Solid	8015B NM	28611
880-16364-9	CS 3 (3'EB)	Total/NA	Solid	8015B NM	28611
880-16364-10	CS 4 (3'EB)	Total/NA	Solid	8015B NM	28611
880-16364-11	CS 5 (3'EB)	Total/NA	Solid	8015B NM	28611
MB 880-28611/1-A	Method Blank	Total/NA	Solid	8015B NM	28611
LCS 880-28611/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	28611
LCSD 880-28611/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	28611
890-2468-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	28611
890-2468-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	28611

Analysis Batch: 28732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16364-1	Side Wall 1	Total/NA	Solid	8015 NM	
880-16364-2	Side Wall 2	Total/NA	Solid	8015 NM	
880-16364-3	Side Wall 3	Total/NA	Solid	8015 NM	
880-16364-4	Side Wall 4	Total/NA	Solid	8015 NM	

QC Association Summary

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

GC Semi VOA (Continued)

Analysis Batch: 28732 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16364-5	Side Wall 5	Total/NA	Solid	8015 NM	
880-16364-6	Side Wall 6	Total/NA	Solid	8015 NM	
880-16364-7	CS 1 (3'EB)	Total/NA	Solid	8015 NM	
880-16364-8	CS 2 (3'EB)	Total/NA	Solid	8015 NM	
880-16364-9	CS 3 (3'EB)	Total/NA	Solid	8015 NM	
880-16364-10	CS 4 (3'EB)	Total/NA	Solid	8015 NM	
880-16364-11	CS 5 (3'EB)	Total/NA	Solid	8015 NM	
880-16364-12	CS 6 (3'EB)	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 28555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16364-1	Side Wall 1	Soluble	Solid	DI Leach	
880-16364-2	Side Wall 2	Soluble	Solid	DI Leach	
880-16364-3	Side Wall 3	Soluble	Solid	DI Leach	
880-16364-4	Side Wall 4	Soluble	Solid	DI Leach	
880-16364-5	Side Wall 5	Soluble	Solid	DI Leach	
880-16364-6	Side Wall 6	Soluble	Solid	DI Leach	
880-16364-7	CS 1 (3'EB)	Soluble	Solid	DI Leach	
880-16364-8	CS 2 (3'EB)	Soluble	Solid	DI Leach	
880-16364-9	CS 3 (3'EB)	Soluble	Solid	DI Leach	
880-16364-10	CS 4 (3'EB)	Soluble	Solid	DI Leach	
880-16364-11	CS 5 (3'EB)	Soluble	Solid	DI Leach	
MB 880-28555/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-28555/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-28555/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-16364-2 MS	Side Wall 2	Soluble	Solid	DI Leach	
880-16364-2 MSD	Side Wall 2	Soluble	Solid	DI Leach	

Leach Batch: 28559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16364-12	CS 6 (3'EB)	Soluble	Solid	DI Leach	
MB 880-28559/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-28559/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-28559/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-16364-12 MS	CS 6 (3'EB)	Soluble	Solid	DI Leach	
880-16364-12 MSD	CS 6 (3'EB)	Soluble	Solid	DI Leach	

Analysis Batch: 28977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16364-1	Side Wall 1	Soluble	Solid	300.0	28555
880-16364-2	Side Wall 2	Soluble	Solid	300.0	28555
880-16364-3	Side Wall 3	Soluble	Solid	300.0	28555
880-16364-4	Side Wall 4	Soluble	Solid	300.0	28555
880-16364-5	Side Wall 5	Soluble	Solid	300.0	28555
880-16364-6	Side Wall 6	Soluble	Solid	300.0	28555
880-16364-7	CS 1 (3'EB)	Soluble	Solid	300.0	28555
880-16364-8	CS 2 (3'EB)	Soluble	Solid	300.0	28555
880-16364-9	CS 3 (3'EB)	Soluble	Solid	300.0	28555
880-16364-10	CS 4 (3'EB)	Soluble	Solid	300.0	28555

QC Association Summary

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

HPLC/IC (Continued)

Analysis Batch: 28977 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16364-11	CS 5 (3'EB)	Soluble	Solid	300.0	28555
MB 880-28555/1-A	Method Blank	Soluble	Solid	300.0	28555
LCS 880-28555/2-A	Lab Control Sample	Soluble	Solid	300.0	28555
LCSD 880-28555/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	28555
880-16364-2 MS	Side Wall 2	Soluble	Solid	300.0	28555
880-16364-2 MSD	Side Wall 2	Soluble	Solid	300.0	28555

Analysis Batch: 28979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-16364-12	CS 6 (3'EB)	Soluble	Solid	300.0	28559
MB 880-28559/1-A	Method Blank	Soluble	Solid	300.0	28559
LCS 880-28559/2-A	Lab Control Sample	Soluble	Solid	300.0	28559
LCSD 880-28559/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	28559
880-16364-12 MS	CS 6 (3'EB)	Soluble	Solid	300.0	28559
880-16364-12 MSD	CS 6 (3'EB)	Soluble	Solid	300.0	28559

Lab Chronicle

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

Client Sample ID: Side Wall 1 — Lab Sample ID: 880-16364-1

Date Collected: 06/27/22 09:30 **Matrix: Solid**
Date Received: 06/27/22 16:00

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	28613	06/29/22 08:53	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28609	06/29/22 17:05	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28742	06/30/22 10:34	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28732	06/30/22 09:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28611	06/29/22 08:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28717	06/30/22 15:47	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	28555	06/28/22 14:50	SMC	XEN MID
Soluble	Analysis	300.0		5			28977	07/04/22 19:40	CH	XEN MID

Client Sample ID: Side Wall 2 — Lab Sample ID: 880-16364-2

Date Collected: 06/27/22 09:35 **Matrix: Solid**
Date Received: 06/27/22 16:00

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	28613	06/29/22 08:53	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28609	06/29/22 17:26	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28742	06/30/22 10:34	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28732	06/30/22 09:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28611	06/29/22 08:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28717	06/30/22 16:31	SM	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	28555	06/28/22 14:50	SMC	XEN MID
Soluble	Analysis	300.0		1			28977	07/04/22 19:47	CH	XEN MID

Client Sample ID: Side Wall 3 — Lab Sample ID: 880-16364-3

Date Collected: 06/27/22 09:40 **Matrix: Solid**
Date Received: 06/27/22 16:00

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	28613	06/29/22 08:53	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28609	06/29/22 17:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28742	06/30/22 10:34	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28732	06/30/22 09:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28611	06/29/22 08:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28717	06/30/22 16:54	SM	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	28555	06/28/22 14:50	SMC	XEN MID
Soluble	Analysis	300.0		5			28977	07/04/22 20:11	CH	XEN MID

Client Sample ID: Side Wall 4 — Lab Sample ID: 880-16364-4

Date Collected: 06/27/22 09:45 **Matrix: Solid**
Date Received: 06/27/22 16:00

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	28734	06/30/22 09:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28709	07/01/22 03:33	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28742	06/30/22 10:34	SM	XEN MID

Lab Chronicle

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

Client Sample ID: Side Wall 4 — Lab Sample ID: 880-16364-4

Date Collected: 06/27/22 09:45 **Matrix: Solid**
Date Received: 06/27/22 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			28732	06/30/22 09:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28611	06/29/22 08:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28717	06/30/22 17:16	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28555	06/28/22 14:50	SMC	XEN MID
Soluble	Analysis	300.0		5			28977	07/04/22 20:19	CH	XEN MID

Client Sample ID: Side Wall 5 — Lab Sample ID: 880-16364-5

Date Collected: 06/27/22 09:50 **Matrix: Solid**
Date Received: 06/27/22 16:00

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	28734	06/30/22 09:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28709	07/01/22 03:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28742	06/30/22 10:34	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28732	06/30/22 09:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28611	06/29/22 08:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28717	06/30/22 17:38	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28555	06/28/22 14:50	SMC	XEN MID
Soluble	Analysis	300.0		5			28977	07/04/22 20:42	CH	XEN MID

Client Sample ID: Side Wall 6 — Lab Sample ID: 880-16364-6

Date Collected: 06/27/22 09:55 **Matrix: Solid**
Date Received: 06/27/22 16:00

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	28734	06/30/22 09:32	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	28709	07/01/22 04:14	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			28742	06/30/22 10:34	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28732	06/30/22 09:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28611	06/29/22 08:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28717	06/30/22 17:59	SM	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	28555	06/28/22 14:50	SMC	XEN MID
Soluble	Analysis	300.0		5			28977	07/04/22 20:50	CH	XEN MID

Client Sample ID: CS 1 (3'EB) — Lab Sample ID: 880-16364-7

Date Collected: 06/27/22 10:00 **Matrix: Solid**
Date Received: 06/27/22 16:00

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	28545	06/28/22 13:09	EL	XEN MID
Total/NA	Analysis	8021B		1			28968	07/03/22 18:24	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			28742	06/30/22 10:34	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28732	06/30/22 09:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	28611	06/29/22 08:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28717	06/30/22 18:21	SM	XEN MID

Lab Chronicle

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

Client Sample ID: CS 1 (3'EB) Lab Sample ID: 880-16364-7

Date Collected: 06/27/22 10:00 **Matrix: Solid**
Date Received: 06/27/22 16:00

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	28555	06/28/22 14:50	SMC	XEN MID
Soluble	Analysis	300.0		5			28977	07/04/22 20:58	CH	XEN MID

Client Sample ID: CS 2 (3'EB) Lab Sample ID: 880-16364-8

Date Collected: 06/27/22 10:05 **Matrix: Solid**
Date Received: 06/27/22 16:00

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	28545	06/28/22 13:09	EL	XEN MID
Total/NA	Analysis	8021B		1			28968	07/03/22 18:50	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			28742	06/30/22 10:34	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28732	06/30/22 09:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28611	06/29/22 08:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28717	06/30/22 18:43	SM	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	28555	06/28/22 14:50	SMC	XEN MID
Soluble	Analysis	300.0		1			28977	07/04/22 21:06	CH	XEN MID

Client Sample ID: CS 3 (3'EB) Lab Sample ID: 880-16364-9

Date Collected: 06/27/22 10:10 **Matrix: Solid**
Date Received: 06/27/22 16:00

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	28545	06/28/22 13:09	EL	XEN MID
Total/NA	Analysis	8021B		1			28968	07/03/22 19:16	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			28742	06/30/22 10:34	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28732	06/30/22 09:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28611	06/29/22 08:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28717	06/30/22 19:05	SM	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	28555	06/28/22 14:50	SMC	XEN MID
Soluble	Analysis	300.0		1			28977	07/04/22 21:14	CH	XEN MID

Client Sample ID: CS 4 (3'EB) Lab Sample ID: 880-16364-10

Date Collected: 06/27/22 10:15 **Matrix: Solid**
Date Received: 06/27/22 16:00

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	28545	06/28/22 13:09	EL	XEN MID
Total/NA	Analysis	8021B		1			28968	07/03/22 19:43	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			28742	06/30/22 10:34	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28732	06/30/22 09:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28611	06/29/22 08:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28717	06/30/22 19:26	SM	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	28555	06/28/22 14:50	SMC	XEN MID
Soluble	Analysis	300.0		1			28977	07/04/22 21:22	CH	XEN MID

Lab Chronicle

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

Client Sample ID: CS 5 (3'EB) Lab Sample ID: 880-16364-11

Date Collected: 06/27/22 10:20 **Matrix: Solid**
Date Received: 06/27/22 16:00

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	28545	06/28/22 13:09	EL	XEN MID
Total/NA	Analysis	8021B		1			28968	07/03/22 20:09	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			28742	06/30/22 10:34	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28732	06/30/22 09:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	28611	06/29/22 08:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28717	06/30/22 19:48	SM	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	28555	06/28/22 14:50	SMC	XEN MID
Soluble	Analysis	300.0		5			28977	07/04/22 21:29	CH	XEN MID

Client Sample ID: CS 6 (3'EB) Lab Sample ID: 880-16364-12

Date Collected: 06/27/22 10:25 **Matrix: Solid**
Date Received: 06/27/22 16:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	28545	06/28/22 13:09	EL	XEN MID
Total/NA	Analysis	8021B		1			28968	07/03/22 20:35	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			28742	06/30/22 10:34	SM	XEN MID
Total/NA	Analysis	8015 NM		1			28732	06/30/22 09:27	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	28627	06/29/22 09:57	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28605	06/29/22 15:06	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	28559	06/28/22 15:06	SMC	XEN MID
Soluble	Analysis	300.0		1			28979	07/05/22 03:07	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: American Safety Services Inc. Job ID: 880-16364-1
Project/Site: Contango-C.S. Caylor SR Estate 3 Transfer Line SDG: Lea Co NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-16364-1	Side Wall 1	Solid	06/27/22 09:30	06/27/22 16:00	
880-16364-2	Side Wall 2	Solid	06/27/22 09:35	06/27/22 16:00	
880-16364-3	Side Wall 3	Solid	06/27/22 09:40	06/27/22 16:00	
880-16364-4	Side Wall 4	Solid	06/27/22 09:45	06/27/22 16:00	
880-16364-5	Side Wall 5	Solid	06/27/22 09:50	06/27/22 16:00	
880-16364-6	Side Wall 6	Solid	06/27/22 09:55	06/27/22 16:00	
880-16364-7	CS 1 (3'EB)	Solid	06/27/22 10:00	06/27/22 16:00	0.0'-0.5
880-16364-8	CS 2 (3'EB)	Solid	06/27/22 10:05	06/27/22 16:00	0.0'-0.5
880-16364-9	CS 3 (3'EB)	Solid	06/27/22 10:10	06/27/22 16:00	0.0'-0.5
880-16364-10	CS 4 (3'EB)	Solid	06/27/22 10:15	06/27/22 16:00	0.0'-0.5
880-16364-11	CS 5 (3'EB)	Solid	06/27/22 10:20	06/27/22 16:00	0.0'-0.5
880-16364-12	CS 6 (3'EB)	Solid	06/27/22 10:25	06/27/22 16:00	0.0'-0.5

XENCO LABORATORIES

Setting the Standard since 1990

CHAIN OF CUSTODY

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7/5/2022

Stafford,Texas (281-240-4200)
Dallas Texas (214-902-0300)
San Antonio, Texas (210-509-3334)
Midland, Texas (432-704-5251)
Phoenix, Arizona (480-355-0900)

www.xenco.com

Xenco Quote # | **Xenco Job #**

Client / Reporting Information

Company Name / Branch: American Safety Services Inc.
Company Address: 8715 Andrews Hwy, Odessa Tx 79765
Email: tfranklin@americansafety.net
Phone No: 432-557-9868
Project Contact: Thomas Franklin
Samplers's Name Miguel

Project Information

Project Name/Number: Contango-C S Caylor SR Estate 3 Transfer Line
Project Location: Lea Co NM
Invoice To: Jr Curtis
jr.curtis@contango.com
PO Number:

Analytical Information

Matrix Codes

W = Water
S = Soil/Sed/Solid
GW =Ground Water
DW = Drinking Water
P = Product
SW = Surface water
SL = Sludge
OW =Ocean/Sea Water
WI = Wipe
O = Oil
WW= Waste Water
A = Air

No	Field ID / Point of Collection	Collection: Sample Depth	Collection: Date	Collection: Time	Matrix	# of bottles	Number of preserved bottles: HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	TPH 8015 M	BTEX 8021 B	Chloride E 300	Field Comments
1	Side wall 1	N/A	6/27/2022	930	S	1									X	X	X	
2	Side wall 2	N/A	6/27/2022	935											X	X	X	
3	Side wall 3	N/A	6/27/2022	940											X	X	X	
4	Side wall 4	N/A	6/27/2022	945											X	X	X	
5	Side wall 5	N/A	6/27/2022	950											X	X	X	
6	Side wall 6	N/A	6/27/2022	955											X	X	X	
7	CS 1 (3'EB)	0.0'-0.5'	6/27/2022	1000											X	X	X	
8	CS 2 (3'EB)	0.0'-0.5'	6/27/2022	1005											X	X	X	
9	CS 3 (3'EB)	0.0'-0.5'	6/27/2022	1010											X	X	X	
10	CS 4 (3'EB)	0.0'-0.5'	6/27/2022	1015											X	X	X	

880-16364 Chain of Custody

Turnaround Time (Business days)

- [ ] Same Day TAT
- [X] 5 Day TAT
- [ ] Next Day EMERGENCY
- [ ] 7 Day TAT
- [ ] 2 Day EMERGENCY
- [ ] Contract TAT
- [ ] 3 Day EMERGENCY

TAT Starts Day received by Lab, if received by 5:00 pm

Data Deliverable Information

- [ ] Level II Std QC
- [ ] Level IV (Full Data Pkg /raw data)
- [ ] Level III Std QC+ Forms
- [ ] TRRP Level IV
- [ ] Level 3 (CLP Forms)
- [ ] UST / RG -411
- [ ] TRRP Checklist

Notes

FED-EX / UPS Tracking #

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY

Relinquished by Sampler 1	Date Time 6-27-22 1400	Received By 1	Relinquished By 2	Date Time:	Received By 2
Relinquished by 3	Date Time:	Received By 3	Relinquished By 4	Date Time:	Received By 4
Relinquished by 5	Date Time	Received By 5	Custody Seal #	Preserved where applicable	On Ice ✓ Cooler Temp. 5.6/5.4 Thermo. Corr Factor -2.7

Notice Notice· Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco its affiliates and subcontractors. It assigns standard terms and conditions of service 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 loses are due to circumstances beyond the control of Xenco A minimum charge of $75 will be applied to each project. Xenco's liability will be limited to the cost of samples. Any samples received by Xenco but not analyzed will be invoiced at $5 per sample These terms will be enforced unless previously negotiated under a fully executed client contract.

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CHAIN OF CUSTODY

Page 2 Of 2

163364

7/5/2022

Xenco Quote #	Xenco Job #

Client / Reporting Information

Company Name / Branch: American Safety Services Inc.
Company Address: 8715 Andrews Hwy, Odessa Tx 79765
Email: tfranklin@americansafety.net
Phone No: 432-557-9868
Project Contact: Thomas Franklin
Samplers's Name: Miguel

Project Information

Project Name/Number: Contango-C S Caylor SR Estate 3 Transfer Line
Project Location: Lea Co NM
Invoice To:
PO Number:

Matrix Codes

W = Water
S = Soil/Sed/Solid
GW =Ground Water
DW = Drinking Water
P = Product
SW = Surface water
SL = Sludge
OW =Ocean/Sea Water
WI = Wipe
O = Oil
WW= Waste Water
A = Air

No	Field ID / Point of Collection	Collection: Sample Depth	Date	Time	Matrix	# of bottles	Number of preserved bottles: HCl	NaOH/Zn Acetate	HNO3	H2SO4	NaOH	NaHSO4	MEOH	NONE	Analytical Information: TPH 8015 M	BTEX 8021 B	Chloride E 300	Field Comments
1	CS 5 (3'EB)	0.0'-0.5'	6/27/2022	1020	S	1									X	X	X	
2	CS 6 (3'EB)	0.0'-0.5'	6/27/2022	1025	S	1									X	X	X	
3																		
4																		
5																		
6	NFE																	
7																		
8																		
9																		
10																		

Loc: 880
16364

Turnaround Time (Business days)

- [ ] Same Day TAT
- [X] 5 Day TAT
- [ ] Next Day EMERGENCY
- [ ] 7 Day TAT
- [ ] 2 Day EMERGENCY
- [ ] Contract TAT
- [ ] 3 Day EMERGENCY

TAT Starts Day received by Lab, if received by 5:00 pm

Data Deliverable Information

- [ ] Level II Std QC
- [ ] Level IV (Full Data Pkg /raw data)
- [ ] Level III Std QC+ Forms
- [ ] TRRP Level IV
- [ ] Level 3 (CLP Forms)
- [ ] UST / RG -411
- [ ] TRRP Checklist

Notes.

FED-EX / UPS Tracking #

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

	Relinquished by Sampler	Date Time	Received By	Relinquished By	Date Time	Received By
1	Brian Green	6-27-22 1400	1	2		2
3	Relinquished by	Date Time:	Received By: 3	Relinquished By 4	Date Time:	Received By 4
5	Relinquished by	Date Time	Received By 5	Custody Seal #	Preserved where applicable	On Ice ☑ Cooler Temp. 5.6/5.4 Thermo. Corr Factor -2 IR#8

Notice Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco its affiliates and subcontractors. It assigns standard terms and conditions of service 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 loses are due to circumstances beyond the control of Xenco A minimum charge of $75 will be applied to each project. Xenco's liability will be limited to the cost of samples. Any samples received by Xenco but not analyzed will be invoiced at $5 per sample These terms will be enforced unless previously negotiated under a fully executed client contract.

Login Sample Receipt Checklist

Client: American Safety Services Inc.

Job Number: 880-16364-1
SDG Number: Lea Co NM

Login Number: 16364
List Number: 1
Creator: Rodriguez, Leticia

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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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ANALYTICAL REPORT

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

Laboratory Job ID: 890-3202-1
Client Project/Site: CS CALOR SR ESTATE 3

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

Attn: Jr Curtis

Authorized for release by:
10/24/2022 3:53:17 PM

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

Client: Contango Resources LLC
Project/Site: CS CALOR SR ESTATE 3

Laboratory Job ID: 890-3202-1

Table of Contents

Definitions/Glossary

Client: Contango Resources LLC Job ID: 890-3202-1
Project/Site: CS CALOR SR ESTATE 3

Qualifiers

GC VOA

Qualifier	Qualifier Description
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.

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.
¤	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: CS CALOR SR ESTATE 3

Job ID: 890-3202-1

Job ID: 890-3202-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-3202-1

Receipt
The samples were received on 10/13/2022 1:09 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 following samples analyzed for were received and analyzed from an unpreserved bulk soil jar: FS1 EB 3'6" S2 (890-3202-1), FS2 EB 3'6" S2 (890-3202-2), FS3 EB 3'6' S2 (890-3202-3), FS4 EB 3'6' S2 (890-3202-4), FS5 EB 3'6' S2 (890-3202-5), FS6 EB 3'6' S2 (890-3202-6), FS7 EB 3'6' S2 (890-3202-7), SW1 S2 (890-3202-8), SW2 S2 (890-3202-9), SW3 S2 (890-3202-10), SW4 S2 (890-3202-11), SW5 S2 (890-3202-12) and SW6 S2 (890-3202-13).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-37502 and analytical batch 880-37521 was outside the upper 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 880-36940 and analytical batch 880-36920 was outside the upper control limits.

Method 8015MOD_NM: The method blank for preparation batch 880-37061 and analytical batch 880-37041 contained Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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

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

Client Sample Results

Client: Contango Resources LLC
Job ID: 890-3202-1
Project/Site: CS CALOR SR ESTATE 3

Client Sample ID: FS1 EB 3'6" S2
Lab Sample ID: 890-3202-1
Date Collected: 10/13/22 10:00
Matrix: Solid
Date Received: 10/13/22 13:09
Sample Depth: 0 - 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/17/22 13:04	10/22/22 02:07	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/17/22 13:04	10/22/22 02:07	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/17/22 13:04	10/22/22 02:07	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/17/22 13:04	10/22/22 02:07	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/17/22 13:04	10/22/22 02:07	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/17/22 13:04	10/22/22 02:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*10/17/22 13:04*	*10/22/22 02:07*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*10/17/22 13:04*	*10/22/22 02:07*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/24/22 15:29	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			10/17/22 09:18	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		10/14/22 13:00	10/14/22 16:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/14/22 13:00	10/14/22 16:00	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/14/22 13:00	10/14/22 16:00	1
Total TPH	<49.9	U	49.9		mg/Kg		10/14/22 13:00	10/14/22 16:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*10/14/22 13:00*	*10/14/22 16:00*	*1*
o-Terphenyl	*118*		*70 - 130*	*10/14/22 13:00*	*10/14/22 16:00*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17.8**		5.04		mg/Kg			10/16/22 23:30	1

Client Sample ID: FS2 EB 3'6" S2
Lab Sample ID: 890-3202-2
Date Collected: 10/13/22 10:10
Matrix: Solid
Date Received: 10/13/22 13:09
Sample Depth: 0 - 6

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		10/17/22 13:04	10/22/22 03:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/17/22 13:04	10/22/22 03:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/17/22 13:04	10/22/22 03:30	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/17/22 13:04	10/22/22 03:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/17/22 13:04	10/22/22 03:30	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/17/22 13:04	10/22/22 03:30	1

Client Sample Results

Client: Contango Resources LLC
Project/Site: CS CALOR SR ESTATE 3

Job ID: 890-3202-1

Client Sample ID: FS2 EB 3'6" S2

Lab Sample ID: 890-3202-2
Matrix: Solid
Date Collected: 10/13/22 10:10
Date Received: 10/13/22 13:09
Sample Depth: 0 - 6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	10/17/22 13:04	10/22/22 03:30	1
1,4-Difluorobenzene (Surr)	84		70 - 130	10/17/22 13:04	10/22/22 03:30	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			10/24/22 15:29	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			10/17/22 09:18	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		10/14/22 13:00	10/14/22 16:22	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/22 13:00	10/14/22 16:22	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/22 13:00	10/14/22 16:22	1
Total TPH	<50.0	U	50.0		mg/Kg		10/14/22 13:00	10/14/22 16:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	10/14/22 13:00	10/14/22 16:22	1
o-Terphenyl	101		70 - 130	10/14/22 13:00	10/14/22 16:22	1

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.96		5.05		mg/Kg			10/17/22 08:12	1

Client Sample ID: FS3 EB 3'6' S2

Lab Sample ID: 890-3202-3
Matrix: Solid
Date Collected: 10/13/22 10:15
Date Received: 10/13/22 13:09
Sample Depth: 0 - 6

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		10/17/22 13:04	10/22/22 03:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/17/22 13:04	10/22/22 03:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/17/22 13:04	10/22/22 03:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/17/22 13:04	10/22/22 03:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/17/22 13:04	10/22/22 03:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/17/22 13:04	10/22/22 03:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	10/17/22 13:04	10/22/22 03:51	1
1,4-Difluorobenzene (Surr)	98		70 - 130	10/17/22 13:04	10/22/22 03:51	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			10/24/22 15:29	1

Client Sample Results

Client: Contango Resources LLC
Project/Site: CS CALOR SR ESTATE 3

Job ID: 890-3202-1

Client Sample ID: FS3 EB 3'6' S2

Lab Sample ID: 890-3202-3
Matrix: Solid
Date Collected: 10/13/22 10:15
Date Received: 10/13/22 13:09
Sample Depth: 0 - 6

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			10/17/22 09:18	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		10/14/22 13:00	10/14/22 16:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		10/14/22 13:00	10/14/22 16:43	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		10/14/22 13:00	10/14/22 16:43	1
Total TPH	<49.8	U	49.8		mg/Kg		10/14/22 13:00	10/14/22 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*10/14/22 13:00*	*10/14/22 16:43*	*1*
o-Terphenyl	*124*		*70 - 130*	*10/14/22 13:00*	*10/14/22 16:43*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.04	U	5.04		mg/Kg			10/17/22 08:39	1

Client Sample ID: FS4 EB 3'6' S2

Lab Sample ID: 890-3202-4
Matrix: Solid
Date Collected: 10/13/22 10:22
Date Received: 10/13/22 13:09
Sample Depth: 0 - 6

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		10/17/22 13:04	10/22/22 04:12	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/17/22 13:04	10/22/22 04:12	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/17/22 13:04	10/22/22 04:12	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/17/22 13:04	10/22/22 04:12	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/17/22 13:04	10/22/22 04:12	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/17/22 13:04	10/22/22 04:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*10/17/22 13:04*	*10/22/22 04:12*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*10/17/22 13:04*	*10/22/22 04:12*	*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			10/24/22 15:29	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			10/17/22 09:18	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		10/14/22 13:00	10/14/22 17:05	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/22 13:00	10/14/22 17:05	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/22 13:00	10/14/22 17:05	1

Client Sample Results

Client: Contango Resources LLC
Project/Site: CS CALOR SR ESTATE 3

Job ID: 890-3202-1

Client Sample ID: FS4 EB 3'6' S2

Lab Sample ID: 890-3202-4
Matrix: Solid
Date Collected: 10/13/22 10:22
Date Received: 10/13/22 13:09
Sample Depth: 0 - 6

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		10/14/22 13:00	10/14/22 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*10/14/22 13:00*	*10/14/22 17:05*	*1*
o-Terphenyl	*109*		*70 - 130*	*10/14/22 13:00*	*10/14/22 17:05*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10.3**		4.96		mg/Kg			10/17/22 08:48	1

Client Sample ID: FS5 EB 3'6' S2

Lab Sample ID: 890-3202-5
Matrix: Solid
Date Collected: 10/13/22 10:30
Date Received: 10/13/22 13:09
Sample Depth: 0 - 6

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		10/17/22 13:04	10/22/22 04:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/17/22 13:04	10/22/22 04:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/17/22 13:04	10/22/22 04:32	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		10/17/22 13:04	10/22/22 04:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/17/22 13:04	10/22/22 04:32	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		10/17/22 13:04	10/22/22 04:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*10/17/22 13:04*	*10/22/22 04:32*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*10/17/22 13:04*	*10/22/22 04:32*	*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			10/24/22 15:29	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			10/17/22 09:18	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		10/14/22 13:00	10/14/22 17:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/22 13:00	10/14/22 17:27	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/22 13:00	10/14/22 17:27	1
Total TPH	<50.0	U	50.0		mg/Kg		10/14/22 13:00	10/14/22 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*10/14/22 13:00*	*10/14/22 17:27*	*1*
o-Terphenyl	*109*		*70 - 130*	*10/14/22 13:00*	*10/14/22 17:27*	*1*

Client Sample Results

Client: Contango Resources LLC
Project/Site: CS CALOR SR ESTATE 3

Job ID: 890-3202-1

Client Sample ID: FS5 EB 3'6' S2

Lab Sample ID: 890-3202-5
Matrix: Solid
Date Collected: 10/13/22 10:30
Date Received: 10/13/22 13:09
Sample Depth: 0 - 6

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	57.1		4.95		mg/Kg			10/17/22 08:56	1

Client Sample ID: FS6 EB 3'6' S2

Lab Sample ID: 890-3202-6
Matrix: Solid
Date Collected: 10/13/22 10:40
Date Received: 10/13/22 13:09
Sample Depth: 0 - 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/17/22 13:04	10/22/22 04:53	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/17/22 13:04	10/22/22 04:53	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/17/22 13:04	10/22/22 04:53	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/17/22 13:04	10/22/22 04:53	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/17/22 13:04	10/22/22 04:53	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/17/22 13:04	10/22/22 04:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*10/17/22 13:04*	*10/22/22 04:53*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*10/17/22 13:04*	*10/22/22 04:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/24/22 15:29	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			10/17/22 09:18	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		10/14/22 13:00	10/14/22 17:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/22 13:00	10/14/22 17:48	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/22 13:00	10/14/22 17:48	1
Total TPH	<50.0	U	50.0		mg/Kg		10/14/22 13:00	10/14/22 17:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*10/14/22 13:00*	*10/14/22 17:48*	*1*
o-Terphenyl	*103*		*70 - 130*	*10/14/22 13:00*	*10/14/22 17:48*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.0		4.95		mg/Kg			10/15/22 20:30	1

Client Sample Results

Client: Contango Resources LLC
Project/Site: CS CALOR SR ESTATE 3

Job ID: 890-3202-1

Client Sample ID: FS7 EB 3'6' S2

Lab Sample ID: 890-3202-7
Matrix: Solid
Date Collected: 10/13/22 10:48
Date Received: 10/13/22 13:09
Sample Depth: 0 - 6

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		10/17/22 13:04	10/22/22 05:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/17/22 13:04	10/22/22 05:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/17/22 13:04	10/22/22 05:14	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		10/17/22 13:04	10/22/22 05:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/17/22 13:04	10/22/22 05:14	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		10/17/22 13:04	10/22/22 05:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*10/17/22 13:04*	*10/22/22 05:14*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*10/17/22 13:04*	*10/22/22 05:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			10/24/22 15:29	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			10/17/22 09:18	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		10/14/22 13:00	10/14/22 18:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/22 13:00	10/14/22 18:10	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/22 13:00	10/14/22 18:10	1
Total TPH	<50.0	U	50.0		mg/Kg		10/14/22 13:00	10/14/22 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*10/14/22 13:00*	*10/14/22 18:10*	*1*
o-Terphenyl	*108*		*70 - 130*	*10/14/22 13:00*	*10/14/22 18:10*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**13.9**		5.05		mg/Kg			10/15/22 20:55	1

Client Sample ID: SW1 S2

Lab Sample ID: 890-3202-8
Matrix: Solid
Date Collected: 10/13/22 10:55
Date Received: 10/13/22 13:09

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		10/17/22 13:04	10/22/22 05:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		10/17/22 13:04	10/22/22 05:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		10/17/22 13:04	10/22/22 05:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		10/17/22 13:04	10/22/22 05:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		10/17/22 13:04	10/22/22 05:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		10/17/22 13:04	10/22/22 05:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*10/17/22 13:04*	*10/22/22 05:35*	*1*

Client Sample Results

Client: Contango Resources LLC
Project/Site: CS CALOR SR ESTATE 3

Job ID: 890-3202-1

Client Sample ID: SW1 S2

Lab Sample ID: 890-3202-8
Matrix: Solid
Date Collected: 10/13/22 10:55
Date Received: 10/13/22 13:09

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*10/17/22 13:04*	*10/22/22 05:35*	*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			10/24/22 15:29	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			10/17/22 09:18	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		10/14/22 13:00	10/14/22 18:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/14/22 13:00	10/14/22 18:31	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/14/22 13:00	10/14/22 18:31	1
Total TPH	<49.9	U	49.9		mg/Kg		10/14/22 13:00	10/14/22 18:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*96*		*70 - 130*	*10/14/22 13:00*	*10/14/22 18:31*	*1*
o-Terphenyl	*104*		*70 - 130*	*10/14/22 13:00*	*10/14/22 18:31*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21.5**		4.97		mg/Kg			10/15/22 21:03	1

Client Sample ID: SW2 S2

Lab Sample ID: 890-3202-9
Matrix: Solid
Date Collected: 10/13/22 11:05
Date Received: 10/13/22 13:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/17/22 13:04	10/22/22 05:55	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/17/22 13:04	10/22/22 05:55	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/17/22 13:04	10/22/22 05:55	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/17/22 13:04	10/22/22 05:55	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/17/22 13:04	10/22/22 05:55	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/17/22 13:04	10/22/22 05:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*10/17/22 13:04*	*10/22/22 05:55*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*10/17/22 13:04*	*10/22/22 05:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/24/22 15:29	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			10/17/22 09:18	1

Client Sample Results

Client: Contango Resources LLC
Job ID: 890-3202-1
Project/Site: CS CALOR SR ESTATE 3

Client Sample ID: SW2 S2
Lab Sample ID: 890-3202-9
Date Collected: 10/13/22 11:05
Matrix: Solid
Date Received: 10/13/22 13:09

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		10/14/22 13:00	10/14/22 18:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/14/22 13:00	10/14/22 18:53	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/14/22 13:00	10/14/22 18:53	1
Total TPH	<49.9	U	49.9		mg/Kg		10/14/22 13:00	10/14/22 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*10/14/22 13:00*	*10/14/22 18:53*	*1*
o-Terphenyl	*96*		*70 - 130*	*10/14/22 13:00*	*10/14/22 18:53*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21.0**		4.98		mg/Kg			10/15/22 21:11	1

Client Sample ID: SW3 S2
Lab Sample ID: 890-3202-10
Date Collected: 10/13/22 11:15
Matrix: Solid
Date Received: 10/13/22 13:09

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		10/17/22 13:04	10/22/22 06:16	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/17/22 13:04	10/22/22 06:16	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/17/22 13:04	10/22/22 06:16	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/17/22 13:04	10/22/22 06:16	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/17/22 13:04	10/22/22 06:16	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/17/22 13:04	10/22/22 06:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*10/17/22 13:04*	*10/22/22 06:16*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*10/17/22 13:04*	*10/22/22 06:16*	*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			10/24/22 15:29	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			10/17/22 09:18	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		10/14/22 16:53	10/15/22 19:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/14/22 16:53	10/15/22 19:06	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/14/22 16:53	10/15/22 19:06	1
Total TPH	<49.9	U	49.9		mg/Kg		10/14/22 16:53	10/15/22 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*10/14/22 16:53*	*10/15/22 19:06*	*1*
o-Terphenyl	*107*		*70 - 130*	*10/14/22 16:53*	*10/15/22 19:06*	*1*

Client Sample Results

Client: Contango Resources LLC
Project/Site: CS CALOR SR ESTATE 3

Job ID: 890-3202-1

Client Sample ID: SW3 S2

Lab Sample ID: 890-3202-10
Matrix: Solid
Date Collected: 10/13/22 11:15
Date Received: 10/13/22 13:09

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	33.8		5.00		mg/Kg			10/15/22 21:20	1

Client Sample ID: SW4 S2

Lab Sample ID: 890-3202-11
Matrix: Solid
Date Collected: 10/13/22 11:20
Date Received: 10/13/22 13:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		10/21/22 13:50	10/21/22 20:55	1
Toluene	<0.00198	U	0.00198		mg/Kg		10/21/22 13:50	10/21/22 20:55	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		10/21/22 13:50	10/21/22 20:55	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		10/21/22 13:50	10/21/22 20:55	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		10/21/22 13:50	10/21/22 20:55	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		10/21/22 13:50	10/21/22 20:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*10/21/22 13:50*	*10/21/22 20:55*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*10/21/22 13:50*	*10/21/22 20:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			10/24/22 14:48	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			10/17/22 09:18	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		10/14/22 16:53	10/15/22 19:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		10/14/22 16:53	10/15/22 19:27	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		10/14/22 16:53	10/15/22 19:27	1
Total TPH	<49.9	U	49.9		mg/Kg		10/14/22 16:53	10/15/22 19:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*10/14/22 16:53*	*10/15/22 19:27*	*1*
o-Terphenyl	*101*		*70 - 130*	*10/14/22 16:53*	*10/15/22 19:27*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	49.6		5.01		mg/Kg			10/15/22 21:45	1

Client Sample ID: SW5 S2

Lab Sample ID: 890-3202-12
Matrix: Solid
Date Collected: 10/13/22 11:25
Date Received: 10/13/22 13:09

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		10/17/22 13:28	10/20/22 11:05	1
Toluene	<0.00202	U	0.00202		mg/Kg		10/17/22 13:28	10/20/22 11:05	1

Client Sample Results

Client: Contango Resources LLC
Job ID: 890-3202-1
Project/Site: CS CALOR SR ESTATE 3

Client Sample ID: SW5 S2
Lab Sample ID: 890-3202-12
Date Collected: 10/13/22 11:25
Matrix: Solid
Date Received: 10/13/22 13:09

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		10/17/22 13:28	10/20/22 11:05	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		10/17/22 13:28	10/20/22 11:05	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		10/17/22 13:28	10/20/22 11:05	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		10/17/22 13:28	10/20/22 11:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*10/17/22 13:28*	*10/20/22 11:05*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*10/17/22 13:28*	*10/20/22 11:05*	*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			10/20/22 15:51	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			10/17/22 09:18	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		10/14/22 16:53	10/15/22 19:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/22 16:53	10/15/22 19:49	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/22 16:53	10/15/22 19:49	1
Total TPH	<50.0	U	50.0		mg/Kg		10/14/22 16:53	10/15/22 19:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*10/14/22 16:53*	*10/15/22 19:49*	*1*
o-Terphenyl	*107*		*70 - 130*	*10/14/22 16:53*	*10/15/22 19:49*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.40**		4.97		mg/Kg			10/15/22 21:53	1

Client Sample ID: SW6 S2
Lab Sample ID: 890-3202-13
Date Collected: 10/13/22 11:35
Matrix: Solid
Date Received: 10/13/22 13:09

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		10/17/22 13:28	10/20/22 11:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		10/17/22 13:28	10/20/22 11:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		10/17/22 13:28	10/20/22 11:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		10/17/22 13:28	10/20/22 11:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		10/17/22 13:28	10/20/22 11:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		10/17/22 13:28	10/20/22 11:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*10/17/22 13:28*	*10/20/22 11:26*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*10/17/22 13:28*	*10/20/22 11:26*	*1*

Client Sample Results

Client: Contango Resources LLC
Project/Site: CS CALOR SR ESTATE 3

Job ID: 890-3202-1

Client Sample ID: SW6 S2

Date Collected: 10/13/22 11:35
Date Received: 10/13/22 13:09

Lab Sample ID: 890-3202-13
Matrix: Solid

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			10/20/22 15:51	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			10/18/22 09:36	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		10/17/22 09:08	10/17/22 18:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/17/22 09:08	10/17/22 18:27	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/17/22 09:08	10/17/22 18:27	1
Total TPH	<50.0	U	50.0		mg/Kg		10/17/22 09:08	10/17/22 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*10/17/22 09:08*	*10/17/22 18:27*	*1*
o-Terphenyl	*99*		*70 - 130*	*10/17/22 09:08*	*10/17/22 18:27*	*1*

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**72.7**		4.99		mg/Kg			10/15/22 22:01	1

Surrogate Summary

Client: Contango Resources LLC
Project/Site: CS CALOR SR ESTATE 3

Job ID: 890-3202-1

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-3202-1	FS1 EB 3'6" S2	121	98
890-3202-2	FS2 EB 3'6" S2	110	84
890-3202-3	FS3 EB 3'6' S2	113	98
890-3202-4	FS4 EB 3'6' S2	113	98
890-3202-5	FS5 EB 3'6' S2	114	92
890-3202-6	FS6 EB 3'6' S2	121	96
890-3202-7	FS7 EB 3'6' S2	115	89
890-3202-8	SW1 S2	125	96
890-3202-9	SW2 S2	115	98
890-3202-10	SW3 S2	121	96
890-3202-11	SW4 S2	118	104
890-3202-12	SW5 S2	97	93
890-3202-12 MS	SW5 S2	99	109
890-3202-12 MSD	SW5 S2	102	107
890-3202-13	SW6 S2	93	96
LCS 880-37157/1-A	Lab Control Sample	99	89
LCS 880-37158/1-A	Lab Control Sample	99	99
LCS 880-37502/1-A	Lab Control Sample	113	114
LCSD 880-37157/2-A	Lab Control Sample Dup	95	88
LCSD 880-37158/2-A	Lab Control Sample Dup	102	110
LCSD 880-37502/2-A	Lab Control Sample Dup	105	96
MB 880-37157/5-A	Method Blank	101	84
MB 880-37158/5-A	Method Blank	90	94
MB 880-37402/5-A	Method Blank	105	86
MB 880-37502/5-A	Method Blank	66 S1-	100

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-3202-1	FS1 EB 3'6" S2	107	118
890-3202-2	FS2 EB 3'6" S2	93	101
890-3202-3	FS3 EB 3'6' S2	116	124
890-3202-4	FS4 EB 3'6' S2	99	109
890-3202-5	FS5 EB 3'6' S2	100	109
890-3202-6	FS6 EB 3'6' S2	93	103
890-3202-7	FS7 EB 3'6' S2	99	108
890-3202-8	SW1 S2	96	104
890-3202-9	SW2 S2	88	96
890-3202-10	SW3 S2	98	107
890-3202-11	SW4 S2	90	101
890-3202-12	SW5 S2	99	107
890-3202-13	SW6 S2	92	99
LCS 880-36940/2-A	Lab Control Sample	99	112

Surrogate Summary

Client: Contango Resources LLC Job ID: 890-3202-1
Project/Site: CS CALOR SR ESTATE 3

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(70-130)	(70-130)								
LCS 880-36996/2-A	Lab Control Sample	92	97								
LCS 880-37061/2-A	Lab Control Sample	99	99								
LCSD 880-36940/3-A	Lab Control Sample Dup	98	111								
LCSD 880-36996/3-A	Lab Control Sample Dup	81	83								
LCSD 880-37061/3-A	Lab Control Sample Dup	101	101								
MB 880-36940/1-A	Method Blank	119	135 S1+								
MB 880-36996/1-A	Method Blank	105	116								
MB 880-37061/1-A	Method Blank	112	123								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Contango Resources LLC
Project/Site: CS CALOR SR ESTATE 3

Job ID: 890-3202-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-37157/5-A
Matrix: Solid
Analysis Batch: 37452

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 37157

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/17/22 13:04	10/21/22 22:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/17/22 13:04	10/21/22 22:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/17/22 13:04	10/21/22 22:38	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/17/22 13:04	10/21/22 22:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/17/22 13:04	10/21/22 22:38	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/17/22 13:04	10/21/22 22:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*10/17/22 13:04*	*10/21/22 22:38*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*10/17/22 13:04*	*10/21/22 22:38*	*1*

Lab Sample ID: LCS 880-37157/1-A
Matrix: Solid
Analysis Batch: 37452

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 37157

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1158		mg/Kg		116	70 - 130
Toluene	0.100	0.1186		mg/Kg		119	70 - 130
Ethylbenzene	0.100	0.1051		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	0.200	0.2334		mg/Kg		117	70 - 130
o-Xylene	0.100	0.1181		mg/Kg		118	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*

Lab Sample ID: LCSD 880-37157/2-A
Matrix: Solid
Analysis Batch: 37452

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 37157

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09994		mg/Kg		100	70 - 130	15	35
Toluene	0.100	0.1028		mg/Kg		103	70 - 130	14	35
Ethylbenzene	0.100	0.09678		mg/Kg		97	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2064		mg/Kg		103	70 - 130	12	35
o-Xylene	0.100	0.1051		mg/Kg		105	70 - 130	12	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*

Lab Sample ID: MB 880-37158/5-A
Matrix: Solid
Analysis Batch: 37352

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 37158

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/17/22 13:28	10/20/22 10:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/17/22 13:28	10/20/22 10:45	1

QC Sample Results

Client: Contango Resources LLC
Project/Site: CS CALOR SR ESTATE 3

Job ID: 890-3202-1

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

Lab Sample ID: MB 880-37158/5-A
Matrix: Solid
Analysis Batch: 37352

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 37158

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/17/22 13:28	10/20/22 10:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/17/22 13:28	10/20/22 10:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/17/22 13:28	10/20/22 10:45	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/17/22 13:28	10/20/22 10:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*10/17/22 13:28*	*10/20/22 10:45*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*10/17/22 13:28*	*10/20/22 10:45*	*1*

Lab Sample ID: LCS 880-37158/1-A
Matrix: Solid
Analysis Batch: 37352

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 37158

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09989		mg/Kg		100	70 - 130		
Toluene			0.100	0.09345		mg/Kg		93	70 - 130		
Ethylbenzene			0.100	0.09636		mg/Kg		96	70 - 130		
m-Xylene & p-Xylene			0.200	0.1954		mg/Kg		98	70 - 130		
o-Xylene			0.100	0.09765		mg/Kg		98	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 880-37158/2-A
Matrix: Solid
Analysis Batch: 37352

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 37158

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1043		mg/Kg		104	70 - 130	4	35
Toluene			0.100	0.09286		mg/Kg		93	70 - 130	1	35
Ethylbenzene			0.100	0.09531		mg/Kg		95	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.1939		mg/Kg		97	70 - 130	1	35
o-Xylene			0.100	0.09716		mg/Kg		97	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*

Lab Sample ID: 890-3202-12 MS
Matrix: Solid
Analysis Batch: 37352

Client Sample ID: SW5 S2
Prep Type: Total/NA
Prep Batch: 37158

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00202	U	0.101	0.08852		mg/Kg		88	70 - 130		
Toluene	<0.00202	U	0.101	0.08131		mg/Kg		80	70 - 130		
Ethylbenzene	<0.00202	U	0.101	0.08135		mg/Kg		81	70 - 130		
m-Xylene & p-Xylene	<0.00403	U	0.202	0.1653		mg/Kg		82	70 - 130		

QC Sample Results

Client: Contango Resources LLC
Project/Site: CS CALOR SR ESTATE 3

Job ID: 890-3202-1

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

Lab Sample ID: 890-3202-12 MS
Matrix: Solid
Analysis Batch: 37352

Client Sample ID: SW5 S2
Prep Type: Total/NA
Prep Batch: 37158

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	<0.00202	U	0.101	0.08276		mg/Kg		82	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: 890-3202-12 MSD
Matrix: Solid
Analysis Batch: 37352

Client Sample ID: SW5 S2
Prep Type: Total/NA
Prep Batch: 37158

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.0998	0.09476		mg/Kg		95	70 - 130	7	35
Toluene	<0.00202	U	0.0998	0.08383		mg/Kg		83	70 - 130	3	35
Ethylbenzene	<0.00202	U	0.0998	0.08623		mg/Kg		86	70 - 130	6	35
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1713		mg/Kg		86	70 - 130	4	35
o-Xylene	<0.00202	U	0.0998	0.08542		mg/Kg		85	70 - 130	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: MB 880-37402/5-A
Matrix: Solid
Analysis Batch: 37452

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 37402

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/20/22 11:40	10/21/22 11:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/20/22 11:40	10/21/22 11:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/20/22 11:40	10/21/22 11:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/20/22 11:40	10/21/22 11:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/20/22 11:40	10/21/22 11:18	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/20/22 11:40	10/21/22 11:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*10/20/22 11:40*	*10/21/22 11:18*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*10/20/22 11:40*	*10/21/22 11:18*	*1*

Lab Sample ID: MB 880-37502/5-A
Matrix: Solid
Analysis Batch: 37521

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 37502

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		10/21/22 13:50	10/21/22 20:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		10/21/22 13:50	10/21/22 20:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		10/21/22 13:50	10/21/22 20:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		10/21/22 13:50	10/21/22 20:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		10/21/22 13:50	10/21/22 20:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		10/21/22 13:50	10/21/22 20:03	1

QC Sample Results

Client: Contango Resources LLC
Project/Site: CS CALOR SR ESTATE 3

Job ID: 890-3202-1

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*66*	*S1-*	*70 - 130*	*10/21/22 13:50*	*10/21/22 20:03*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*10/21/22 13:50*	*10/21/22 20:03*	*1*

Lab Sample ID: LCS 880-37502/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 37521 — **Prep Batch: 37502**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1134		mg/Kg		113	70 - 130
Toluene	0.100	0.1034		mg/Kg		103	70 - 130
Ethylbenzene	0.100	0.1119		mg/Kg		112	70 - 130
m-Xylene & p-Xylene	0.200	0.2215		mg/Kg		111	70 - 130
o-Xylene	0.100	0.1082		mg/Kg		108	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*

Lab Sample ID: LCSD 880-37502/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 37521 — **Prep Batch: 37502**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1014		mg/Kg		101	70 - 130	11	35
Toluene	0.100	0.09765		mg/Kg		98	70 - 130	6	35
Ethylbenzene	0.100	0.1075		mg/Kg		107	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.2082		mg/Kg		104	70 - 130	6	35
o-Xylene	0.100	0.1009		mg/Kg		101	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

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

Lab Sample ID: MB 880-36940/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 36920 — **Prep Batch: 36940**

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		10/14/22 09:09	10/14/22 09:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/22 09:09	10/14/22 09:55	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/22 09:09	10/14/22 09:55	1
Total TPH	<50.0	U	50.0		mg/Kg		10/14/22 09:09	10/14/22 09:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*119*		*70 - 130*	*10/14/22 09:09*	*10/14/22 09:55*	*1*
o-Terphenyl	*135*	*S1+*	*70 - 130*	*10/14/22 09:09*	*10/14/22 09:55*	*1*

QC Sample Results

Client: Contango Resources LLC
Project/Site: CS CALOR SR ESTATE 3

Job ID: 890-3202-1

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

Lab Sample ID: LCS 880-36940/2-A
Matrix: Solid
Analysis Batch: 36920

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 36940

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	901.2		mg/Kg		90	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	928.0		mg/Kg		93	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*99*		*70 - 130*
o-Terphenyl	*112*		*70 - 130*

Lab Sample ID: LCSD 880-36940/3-A
Matrix: Solid
Analysis Batch: 36920

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 36940

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	924.4		mg/Kg		92	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	934.3		mg/Kg		93	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*98*		*70 - 130*
o-Terphenyl	*111*		*70 - 130*

Lab Sample ID: MB 880-36996/1-A
Matrix: Solid
Analysis Batch: 37013

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 36996

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		10/14/22 16:53	10/15/22 10:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/14/22 16:53	10/15/22 10:52	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/14/22 16:53	10/15/22 10:52	1
Total TPH	<50.0	U	50.0		mg/Kg		10/14/22 16:53	10/15/22 10:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*10/14/22 16:53*	*10/15/22 10:52*	*1*
o-Terphenyl	*116*		*70 - 130*	*10/14/22 16:53*	*10/15/22 10:52*	*1*

Lab Sample ID: LCS 880-36996/2-A
Matrix: Solid
Analysis Batch: 37013

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 36996

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	924.1		mg/Kg		92	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	962.5		mg/Kg		96	70 - 130		

QC Sample Results

Client: Contango Resources LLC
Project/Site: CS CALOR SR ESTATE 3

Job ID: 890-3202-1

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

Lab Sample ID: LCS 880-36996/2-A
Matrix: Solid
Analysis Batch: 37013

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 36996

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: LCSD 880-36996/3-A
Matrix: Solid
Analysis Batch: 37013

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 36996

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1007		mg/Kg		101	70 - 130	9	20
Diesel Range Organics (Over C10-C28)			1000	823.9		mg/Kg		82	70 - 130	16	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	81		70 - 130
o-Terphenyl	83		70 - 130

Lab Sample ID: MB 880-37061/1-A
Matrix: Solid
Analysis Batch: 37041

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 37061

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		10/17/22 09:08	10/17/22 10:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		10/17/22 09:08	10/17/22 10:26	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		10/17/22 09:08	10/17/22 10:26	1
Total TPH	<50.0	U	50.0		mg/Kg		10/17/22 09:08	10/17/22 10:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	10/17/22 09:08	10/17/22 10:26	1
o-Terphenyl	123		70 - 130	10/17/22 09:08	10/17/22 10:26	1

Lab Sample ID: LCS 880-37061/2-A
Matrix: Solid
Analysis Batch: 37041

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 37061

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	1012		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)			1000	954.3		mg/Kg		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	99		70 - 130

QC Sample Results

Client: Contango Resources LLC
Project/Site: CS CALOR SR ESTATE 3

Job ID: 890-3202-1

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

Lab Sample ID: LCSD 880-37061/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 37041 — **Prep Batch: 37061**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	840.3		mg/Kg		84	70 - 130	19	20
Diesel Range Organics (Over C10-C28)			1000	982.5		mg/Kg		98	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*101*		*70 - 130*
o-Terphenyl	*101*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-36988/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 37027

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/15/22 16:39	1

Lab Sample ID: LCS 880-36988/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 37027

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	238.2		mg/Kg		95	90 - 110		

Lab Sample ID: LCSD 880-36988/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 37027

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	238.8		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 890-3202-6 MS — **Client Sample ID: FS6 EB 3'6' S2**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 37027

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	34.0		248	290.6		mg/Kg		104	90 - 110		

Lab Sample ID: 890-3202-6 MSD — **Client Sample ID: FS6 EB 3'6' S2**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 37027

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	34.0		248	282.1		mg/Kg		100	90 - 110	3	20

QC Sample Results

Client: Contango Resources LLC
Project/Site: CS CALOR SR ESTATE 3

Job ID: 890-3202-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-36987/1-A
Matrix: Solid
Analysis Batch: 37028

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			10/16/22 19:53	1

Lab Sample ID: LCS 880-36987/2-A
Matrix: Solid
Analysis Batch: 37028

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	240.9		mg/Kg		96	90 - 110		

Lab Sample ID: LCSD 880-36987/3-A
Matrix: Solid
Analysis Batch: 37028

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	249.4		mg/Kg		100	90 - 110	3	20

QC Association Summary

Client: Contango Resources LLC
Project/Site: CS CALOR SR ESTATE 3

Job ID: 890-3202-1

GC VOA

Prep Batch: 37157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3202-1	FS1 EB 3'6" S2	Total/NA	Solid	5035	
890-3202-2	FS2 EB 3'6" S2	Total/NA	Solid	5035	
890-3202-3	FS3 EB 3'6' S2	Total/NA	Solid	5035	
890-3202-4	FS4 EB 3'6' S2	Total/NA	Solid	5035	
890-3202-5	FS5 EB 3'6' S2	Total/NA	Solid	5035	
890-3202-6	FS6 EB 3'6' S2	Total/NA	Solid	5035	
890-3202-7	FS7 EB 3'6' S2	Total/NA	Solid	5035	
890-3202-8	SW1 S2	Total/NA	Solid	5035	
890-3202-9	SW2 S2	Total/NA	Solid	5035	
890-3202-10	SW3 S2	Total/NA	Solid	5035	
MB 880-37157/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-37157/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-37157/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 37158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3202-12	SW5 S2	Total/NA	Solid	5035	
890-3202-13	SW6 S2	Total/NA	Solid	5035	
MB 880-37158/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-37158/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-37158/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-3202-12 MS	SW5 S2	Total/NA	Solid	5035	
890-3202-12 MSD	SW5 S2	Total/NA	Solid	5035	

Analysis Batch: 37352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3202-12	SW5 S2	Total/NA	Solid	8021B	37158
890-3202-13	SW6 S2	Total/NA	Solid	8021B	37158
MB 880-37158/5-A	Method Blank	Total/NA	Solid	8021B	37158
LCS 880-37158/1-A	Lab Control Sample	Total/NA	Solid	8021B	37158
LCSD 880-37158/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	37158
890-3202-12 MS	SW5 S2	Total/NA	Solid	8021B	37158
890-3202-12 MSD	SW5 S2	Total/NA	Solid	8021B	37158

Prep Batch: 37402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-37402/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 37426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3202-1	FS1 EB 3'6" S2	Total/NA	Solid	Total BTEX	
890-3202-2	FS2 EB 3'6" S2	Total/NA	Solid	Total BTEX	
890-3202-3	FS3 EB 3'6' S2	Total/NA	Solid	Total BTEX	
890-3202-4	FS4 EB 3'6' S2	Total/NA	Solid	Total BTEX	
890-3202-5	FS5 EB 3'6' S2	Total/NA	Solid	Total BTEX	
890-3202-6	FS6 EB 3'6' S2	Total/NA	Solid	Total BTEX	
890-3202-7	FS7 EB 3'6' S2	Total/NA	Solid	Total BTEX	
890-3202-8	SW1 S2	Total/NA	Solid	Total BTEX	
890-3202-9	SW2 S2	Total/NA	Solid	Total BTEX	
890-3202-10	SW3 S2	Total/NA	Solid	Total BTEX	
890-3202-11	SW4 S2	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Contango Resources LLC
Project/Site: CS CALOR SR ESTATE 3

Job ID: 890-3202-1

GC VOA (Continued)

Analysis Batch: 37426 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3202-12	SW5 S2	Total/NA	Solid	Total BTEX	
890-3202-13	SW6 S2	Total/NA	Solid	Total BTEX	

Analysis Batch: 37452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3202-1	FS1 EB 3'6" S2	Total/NA	Solid	8021B	37157
890-3202-2	FS2 EB 3'6" S2	Total/NA	Solid	8021B	37157
890-3202-3	FS3 EB 3'6' S2	Total/NA	Solid	8021B	37157
890-3202-4	FS4 EB 3'6' S2	Total/NA	Solid	8021B	37157
890-3202-5	FS5 EB 3'6' S2	Total/NA	Solid	8021B	37157
890-3202-6	FS6 EB 3'6' S2	Total/NA	Solid	8021B	37157
890-3202-7	FS7 EB 3'6' S2	Total/NA	Solid	8021B	37157
890-3202-8	SW1 S2	Total/NA	Solid	8021B	37157
890-3202-9	SW2 S2	Total/NA	Solid	8021B	37157
890-3202-10	SW3 S2	Total/NA	Solid	8021B	37157
MB 880-37157/5-A	Method Blank	Total/NA	Solid	8021B	37157
MB 880-37402/5-A	Method Blank	Total/NA	Solid	8021B	37402
LCS 880-37157/1-A	Lab Control Sample	Total/NA	Solid	8021B	37157
LCSD 880-37157/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	37157

Prep Batch: 37502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3202-11	SW4 S2	Total/NA	Solid	5035	
MB 880-37502/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-37502/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-37502/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 37521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3202-11	SW4 S2	Total/NA	Solid	8021B	37502
MB 880-37502/5-A	Method Blank	Total/NA	Solid	8021B	37502
LCS 880-37502/1-A	Lab Control Sample	Total/NA	Solid	8021B	37502
LCSD 880-37502/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	37502

GC Semi VOA

Analysis Batch: 36920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3202-1	FS1 EB 3'6" S2	Total/NA	Solid	8015B NM	36940
890-3202-2	FS2 EB 3'6" S2	Total/NA	Solid	8015B NM	36940
890-3202-3	FS3 EB 3'6' S2	Total/NA	Solid	8015B NM	36940
890-3202-4	FS4 EB 3'6' S2	Total/NA	Solid	8015B NM	36940
890-3202-5	FS5 EB 3'6' S2	Total/NA	Solid	8015B NM	36940
890-3202-6	FS6 EB 3'6' S2	Total/NA	Solid	8015B NM	36940
890-3202-7	FS7 EB 3'6' S2	Total/NA	Solid	8015B NM	36940
890-3202-8	SW1 S2	Total/NA	Solid	8015B NM	36940
890-3202-9	SW2 S2	Total/NA	Solid	8015B NM	36940
MB 880-36940/1-A	Method Blank	Total/NA	Solid	8015B NM	36940
LCS 880-36940/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	36940
LCSD 880-36940/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	36940

QC Association Summary

Client: Contango Resources LLC
Project/Site: CS CALOR SR ESTATE 3

Job ID: 890-3202-1

GC Semi VOA

Prep Batch: 36940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3202-1	FS1 EB 3'6" S2	Total/NA	Solid	8015NM Prep	
890-3202-2	FS2 EB 3'6" S2	Total/NA	Solid	8015NM Prep	
890-3202-3	FS3 EB 3'6' S2	Total/NA	Solid	8015NM Prep	
890-3202-4	FS4 EB 3'6' S2	Total/NA	Solid	8015NM Prep	
890-3202-5	FS5 EB 3'6' S2	Total/NA	Solid	8015NM Prep	
890-3202-6	FS6 EB 3'6' S2	Total/NA	Solid	8015NM Prep	
890-3202-7	FS7 EB 3'6' S2	Total/NA	Solid	8015NM Prep	
890-3202-8	SW1 S2	Total/NA	Solid	8015NM Prep	
890-3202-9	SW2 S2	Total/NA	Solid	8015NM Prep	
MB 880-36940/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-36940/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-36940/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 36996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3202-10	SW3 S2	Total/NA	Solid	8015NM Prep	
890-3202-11	SW4 S2	Total/NA	Solid	8015NM Prep	
890-3202-12	SW5 S2	Total/NA	Solid	8015NM Prep	
MB 880-36996/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-36996/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-36996/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 37013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3202-10	SW3 S2	Total/NA	Solid	8015B NM	36996
890-3202-11	SW4 S2	Total/NA	Solid	8015B NM	36996
890-3202-12	SW5 S2	Total/NA	Solid	8015B NM	36996
MB 880-36996/1-A	Method Blank	Total/NA	Solid	8015B NM	36996
LCS 880-36996/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	36996
LCSD 880-36996/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	36996

Analysis Batch: 37041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3202-13	SW6 S2	Total/NA	Solid	8015B NM	37061
MB 880-37061/1-A	Method Blank	Total/NA	Solid	8015B NM	37061
LCS 880-37061/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	37061
LCSD 880-37061/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	37061

Prep Batch: 37061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3202-13	SW6 S2	Total/NA	Solid	8015NM Prep	
MB 880-37061/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-37061/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-37061/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 37072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3202-1	FS1 EB 3'6" S2	Total/NA	Solid	8015 NM	
890-3202-2	FS2 EB 3'6" S2	Total/NA	Solid	8015 NM	
890-3202-3	FS3 EB 3'6' S2	Total/NA	Solid	8015 NM	
890-3202-4	FS4 EB 3'6' S2	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Contango Resources LLC
Project/Site: CS CALOR SR ESTATE 3

Job ID: 890-3202-1

GC Semi VOA (Continued)

Analysis Batch: 37072 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3202-5	FS5 EB 3'6' S2	Total/NA	Solid	8015 NM	
890-3202-6	FS6 EB 3'6' S2	Total/NA	Solid	8015 NM	
890-3202-7	FS7 EB 3'6' S2	Total/NA	Solid	8015 NM	
890-3202-8	SW1 S2	Total/NA	Solid	8015 NM	
890-3202-9	SW2 S2	Total/NA	Solid	8015 NM	
890-3202-10	SW3 S2	Total/NA	Solid	8015 NM	
890-3202-11	SW4 S2	Total/NA	Solid	8015 NM	
890-3202-12	SW5 S2	Total/NA	Solid	8015 NM	
890-3202-13	SW6 S2	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 36987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3202-1	FS1 EB 3'6" S2	Soluble	Solid	DI Leach	
890-3202-2	FS2 EB 3'6" S2	Soluble	Solid	DI Leach	
890-3202-3	FS3 EB 3'6' S2	Soluble	Solid	DI Leach	
890-3202-4	FS4 EB 3'6' S2	Soluble	Solid	DI Leach	
890-3202-5	FS5 EB 3'6' S2	Soluble	Solid	DI Leach	
MB 880-36987/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-36987/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-36987/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 36988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3202-6	FS6 EB 3'6' S2	Soluble	Solid	DI Leach	
890-3202-7	FS7 EB 3'6' S2	Soluble	Solid	DI Leach	
890-3202-8	SW1 S2	Soluble	Solid	DI Leach	
890-3202-9	SW2 S2	Soluble	Solid	DI Leach	
890-3202-10	SW3 S2	Soluble	Solid	DI Leach	
890-3202-11	SW4 S2	Soluble	Solid	DI Leach	
890-3202-12	SW5 S2	Soluble	Solid	DI Leach	
890-3202-13	SW6 S2	Soluble	Solid	DI Leach	
MB 880-36988/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-36988/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-36988/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-3202-6 MS	FS6 EB 3'6' S2	Soluble	Solid	DI Leach	
890-3202-6 MSD	FS6 EB 3'6' S2	Soluble	Solid	DI Leach	

Analysis Batch: 37027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3202-6	FS6 EB 3'6' S2	Soluble	Solid	300.0	36988
890-3202-7	FS7 EB 3'6' S2	Soluble	Solid	300.0	36988
890-3202-8	SW1 S2	Soluble	Solid	300.0	36988
890-3202-9	SW2 S2	Soluble	Solid	300.0	36988
890-3202-10	SW3 S2	Soluble	Solid	300.0	36988
890-3202-11	SW4 S2	Soluble	Solid	300.0	36988
890-3202-12	SW5 S2	Soluble	Solid	300.0	36988
890-3202-13	SW6 S2	Soluble	Solid	300.0	36988
MB 880-36988/1-A	Method Blank	Soluble	Solid	300.0	36988
LCS 880-36988/2-A	Lab Control Sample	Soluble	Solid	300.0	36988

QC Association Summary

Client: Contango Resources LLC
Project/Site: CS CALOR SR ESTATE 3

Job ID: 890-3202-1

HPLC/IC (Continued)

Analysis Batch: 37027 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-36988/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	36988
890-3202-6 MS	FS6 EB 3'6' S2	Soluble	Solid	300.0	36988
890-3202-6 MSD	FS6 EB 3'6' S2	Soluble	Solid	300.0	36988

Analysis Batch: 37028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-3202-1	FS1 EB 3'6" S2	Soluble	Solid	300.0	36987
890-3202-2	FS2 EB 3'6" S2	Soluble	Solid	300.0	36987
890-3202-3	FS3 EB 3'6' S2	Soluble	Solid	300.0	36987
890-3202-4	FS4 EB 3'6' S2	Soluble	Solid	300.0	36987
890-3202-5	FS5 EB 3'6' S2	Soluble	Solid	300.0	36987
MB 880-36987/1-A	Method Blank	Soluble	Solid	300.0	36987
LCS 880-36987/2-A	Lab Control Sample	Soluble	Solid	300.0	36987
LCSD 880-36987/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	36987

Lab Chronicle

Client: Contango Resources LLC
Project/Site: CS CALOR SR ESTATE 3

Job ID: 890-3202-1

Client Sample ID: FS1 EB 3'6" S2

Lab Sample ID: 890-3202-1
Matrix: Solid
Date Collected: 10/13/22 10:00
Date Received: 10/13/22 13:09

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	37157	10/17/22 13:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37452	10/22/22 02:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37426	10/24/22 15:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			37072	10/17/22 09:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	36940	10/14/22 13:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36920	10/14/22 16:00	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	36987	10/14/22 15:05	KS	EET MID
Soluble	Analysis	300.0		1			37028	10/16/22 23:30	CH	EET MID

Client Sample ID: FS2 EB 3'6" S2

Lab Sample ID: 890-3202-2
Matrix: Solid
Date Collected: 10/13/22 10:10
Date Received: 10/13/22 13:09

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	37157	10/17/22 13:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37452	10/22/22 03:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37426	10/24/22 15:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			37072	10/17/22 09:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36940	10/14/22 13:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36920	10/14/22 16:22	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	36987	10/14/22 15:05	KS	EET MID
Soluble	Analysis	300.0		1			37028	10/17/22 08:12	CH	EET MID

Client Sample ID: FS3 EB 3'6' S2

Lab Sample ID: 890-3202-3
Matrix: Solid
Date Collected: 10/13/22 10:15
Date Received: 10/13/22 13:09

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	37157	10/17/22 13:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37452	10/22/22 03:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37426	10/24/22 15:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			37072	10/17/22 09:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	36940	10/14/22 13:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36920	10/14/22 16:43	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	36987	10/14/22 15:05	KS	EET MID
Soluble	Analysis	300.0		1			37028	10/17/22 08:39	CH	EET MID

Client Sample ID: FS4 EB 3'6' S2

Lab Sample ID: 890-3202-4
Matrix: Solid
Date Collected: 10/13/22 10:22
Date Received: 10/13/22 13:09

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	37157	10/17/22 13:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37452	10/22/22 04:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37426	10/24/22 15:29	SM	EET MID

Lab Chronicle

Client: Contango Resources LLC
Project/Site: CS CALOR SR ESTATE 3

Job ID: 890-3202-1

Client Sample ID: FS4 EB 3'6' S2

Lab Sample ID: 890-3202-4
Matrix: Solid
Date Collected: 10/13/22 10:22
Date Received: 10/13/22 13:09

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			37072	10/17/22 09:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	36940	10/14/22 13:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36920	10/14/22 17:05	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	36987	10/14/22 15:05	KS	EET MID
Soluble	Analysis	300.0		1			37028	10/17/22 08:48	CH	EET MID

Client Sample ID: FS5 EB 3'6' S2

Lab Sample ID: 890-3202-5
Matrix: Solid
Date Collected: 10/13/22 10:30
Date Received: 10/13/22 13:09

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	37157	10/17/22 13:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37452	10/22/22 04:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37426	10/24/22 15:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			37072	10/17/22 09:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36940	10/14/22 13:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36920	10/14/22 17:27	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	36987	10/14/22 15:05	KS	EET MID
Soluble	Analysis	300.0		1			37028	10/17/22 08:56	CH	EET MID

Client Sample ID: FS6 EB 3'6' S2

Lab Sample ID: 890-3202-6
Matrix: Solid
Date Collected: 10/13/22 10:40
Date Received: 10/13/22 13:09

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	37157	10/17/22 13:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37452	10/22/22 04:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37426	10/24/22 15:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			37072	10/17/22 09:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	36940	10/14/22 13:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36920	10/14/22 17:48	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	36988	10/14/22 15:06	KS	EET MID
Soluble	Analysis	300.0		1			37027	10/15/22 20:30	CH	EET MID

Client Sample ID: FS7 EB 3'6' S2

Lab Sample ID: 890-3202-7
Matrix: Solid
Date Collected: 10/13/22 10:48
Date Received: 10/13/22 13:09

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	37157	10/17/22 13:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37452	10/22/22 05:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37426	10/24/22 15:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			37072	10/17/22 09:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36940	10/14/22 13:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36920	10/14/22 18:10	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Contango Resources LLC
Project/Site: CS CALOR SR ESTATE 3

Job ID: 890-3202-1

Client Sample ID: FS7 EB 3'6' S2

Lab Sample ID: 890-3202-7
Matrix: Solid
Date Collected: 10/13/22 10:48
Date Received: 10/13/22 13:09

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	36988	10/14/22 15:06	KS	EET MID
Soluble	Analysis	300.0		1			37027	10/15/22 20:55	CH	EET MID

Client Sample ID: SW1 S2

Lab Sample ID: 890-3202-8
Matrix: Solid
Date Collected: 10/13/22 10:55
Date Received: 10/13/22 13:09

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	37157	10/17/22 13:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37452	10/22/22 05:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37426	10/24/22 15:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			37072	10/17/22 09:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	36940	10/14/22 13:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36920	10/14/22 18:31	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	36988	10/14/22 15:06	KS	EET MID
Soluble	Analysis	300.0		1			37027	10/15/22 21:03	CH	EET MID

Client Sample ID: SW2 S2

Lab Sample ID: 890-3202-9
Matrix: Solid
Date Collected: 10/13/22 11:05
Date Received: 10/13/22 13:09

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	37157	10/17/22 13:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37452	10/22/22 05:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37426	10/24/22 15:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			37072	10/17/22 09:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	36940	10/14/22 13:00	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	36920	10/14/22 18:53	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	36988	10/14/22 15:06	KS	EET MID
Soluble	Analysis	300.0		1			37027	10/15/22 21:11	CH	EET MID

Client Sample ID: SW3 S2

Lab Sample ID: 890-3202-10
Matrix: Solid
Date Collected: 10/13/22 11:15
Date Received: 10/13/22 13:09

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	37157	10/17/22 13:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37452	10/22/22 06:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37426	10/24/22 15:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			37072	10/17/22 09:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	36996	10/14/22 16:53	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37013	10/15/22 19:06	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	36988	10/14/22 15:06	KS	EET MID
Soluble	Analysis	300.0		1			37027	10/15/22 21:20	CH	EET MID

Lab Chronicle

Client: Contango Resources LLC
Project/Site: CS CALOR SR ESTATE 3

Job ID: 890-3202-1

Client Sample ID: SW4 S2

Lab Sample ID: 890-3202-11

Date Collected: 10/13/22 11:20
Matrix: Solid
Date Received: 10/13/22 13:09

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	37502	10/21/22 13:50	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37521	10/21/22 20:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37426	10/24/22 14:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			37072	10/17/22 09:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	36996	10/14/22 16:53	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37013	10/15/22 19:27	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	36988	10/14/22 15:06	KS	EET MID
Soluble	Analysis	300.0		1			37027	10/15/22 21:45	CH	EET MID

Client Sample ID: SW5 S2

Lab Sample ID: 890-3202-12

Date Collected: 10/13/22 11:25
Matrix: Solid
Date Received: 10/13/22 13:09

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	37158	10/17/22 13:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37352	10/20/22 11:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37426	10/20/22 15:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			37072	10/17/22 09:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	36996	10/14/22 16:53	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37013	10/15/22 19:49	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	36988	10/14/22 15:06	KS	EET MID
Soluble	Analysis	300.0		1			37027	10/15/22 21:53	CH	EET MID

Client Sample ID: SW6 S2

Lab Sample ID: 890-3202-13

Date Collected: 10/13/22 11:35
Matrix: Solid
Date Received: 10/13/22 13:09

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	37158	10/17/22 13:28	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	37352	10/20/22 11:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			37426	10/20/22 15:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			37072	10/18/22 09:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	37061	10/17/22 09:08	DM	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	37041	10/17/22 18:27	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	36988	10/14/22 15:06	KS	EET MID
Soluble	Analysis	300.0		1			37027	10/15/22 22:01	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: CS CALOR SR ESTATE 3

Job ID: 890-3202-1

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: CS CALOR SR ESTATE 3

Job ID: 890-3202-1

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
300.0	Anions, Ion Chromatography	MCAWW	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

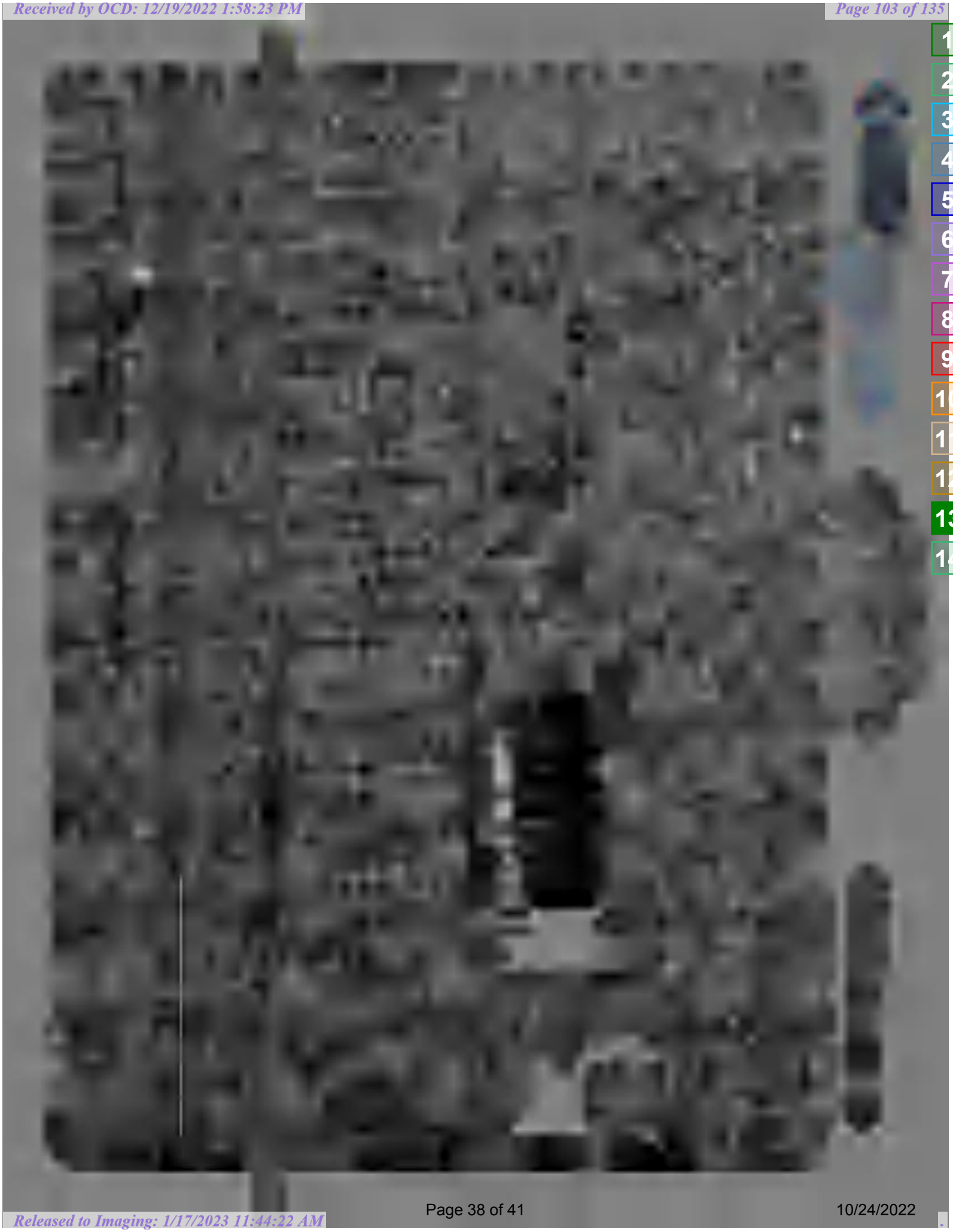
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

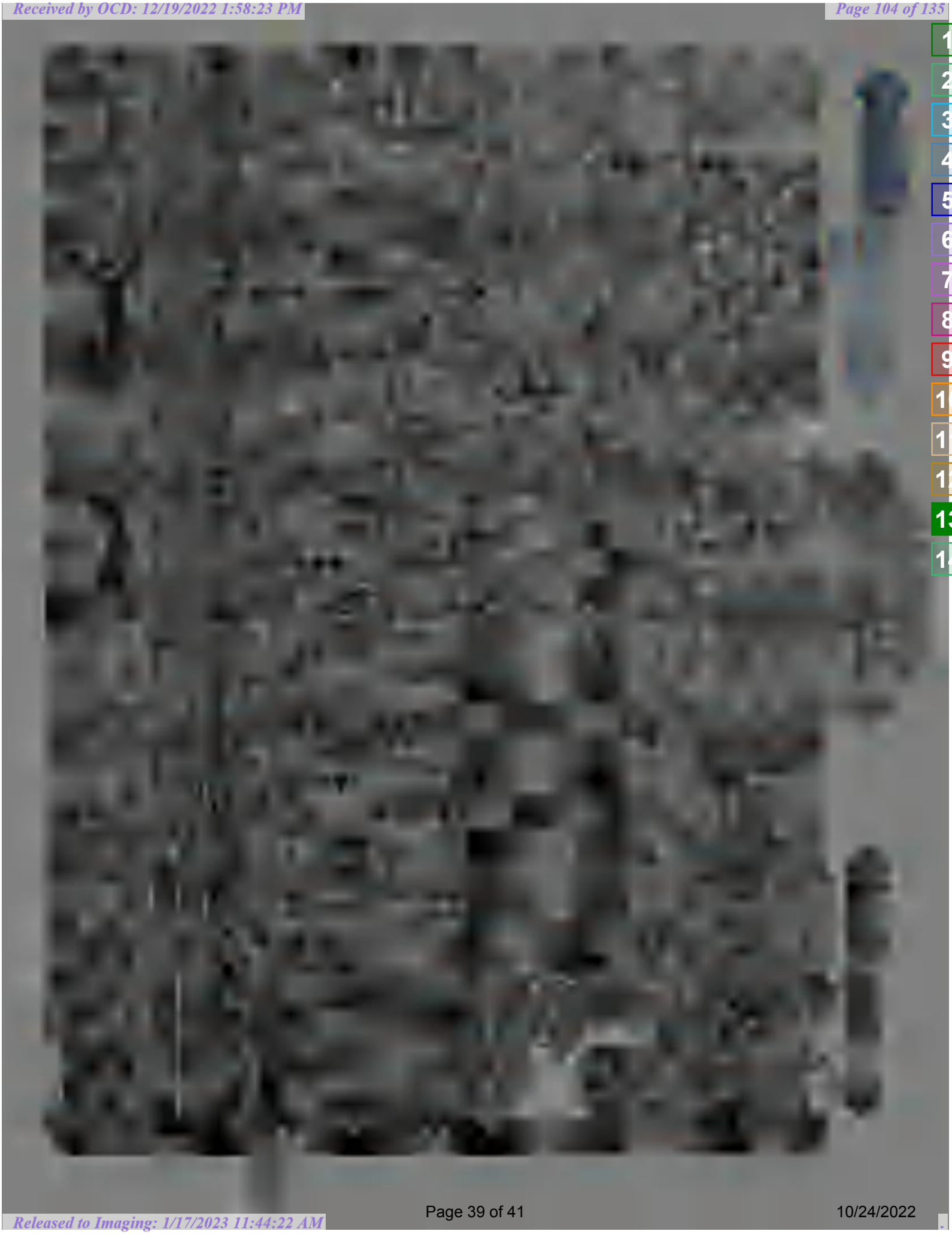
Sample Summary

Client: Contango Resources LLC
Project/Site: CS CALOR SR ESTATE 3

Job ID: 890-3202-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-3202-1	FS1 EB 3'6" S2	Solid	10/13/22 10:00	10/13/22 13:09	0 - 6
890-3202-2	FS2 EB 3'6" S2	Solid	10/13/22 10:10	10/13/22 13:09	0 - 6
890-3202-3	FS3 EB 3'6' S2	Solid	10/13/22 10:15	10/13/22 13:09	0 - 6
890-3202-4	FS4 EB 3'6' S2	Solid	10/13/22 10:22	10/13/22 13:09	0 - 6
890-3202-5	FS5 EB 3'6' S2	Solid	10/13/22 10:30	10/13/22 13:09	0 - 6
890-3202-6	FS6 EB 3'6' S2	Solid	10/13/22 10:40	10/13/22 13:09	0 - 6
890-3202-7	FS7 EB 3'6' S2	Solid	10/13/22 10:48	10/13/22 13:09	0 - 6
890-3202-8	SW1 S2	Solid	10/13/22 10:55	10/13/22 13:09	
890-3202-9	SW2 S2	Solid	10/13/22 11:05	10/13/22 13:09	
890-3202-10	SW3 S2	Solid	10/13/22 11:15	10/13/22 13:09	
890-3202-11	SW4 S2	Solid	10/13/22 11:20	10/13/22 13:09	
890-3202-12	SW5 S2	Solid	10/13/22 11:25	10/13/22 13:09	
890-3202-13	SW6 S2	Solid	10/13/22 11:35	10/13/22 13:09	





Login Sample Receipt Checklist

Client: Contango Resources LLC Job Number: 890-3202-1

Login Number: 3202 **List Source: Eurofins Carlsbad**
List Number: 1
Creator: Clifton, Cloe

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	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: 890-3202-1

Login Number: 3202 **List Source: Eurofins Midland**
List Number: 2 **List Creation: 10/14/22 11:49 AM**
Creator: Rodriguez, Leticia

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	

APPENDIX E

C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

Incident ID	NAPP2204136156
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Contango Resources, LLC	OGRID
Contact Name: Chet Stuart	Contact Telephone: 432-302-0538
Contact email: cstuart@contango.com	Incident # *(assigned by OCD)*
Contact mailing address: 717 Texas Ave., Suite 2900 Houston, Texas 77002	

Location of Release Source

Latitude 32.86770 Longitude -103.31060
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: C.S. Caylor SR Estate 3	Site Type: Well Pad and associated pasture
Date Release Discovered: 2/8/2022	API#: 30-025-05430

Unit Letter	Section	Township	Range	County
C	1	17S	36E	Lea

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (*Name: City of Lovington*)

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls): 2	Volume Recovered (bbls): 1
☒ Produced Water	Volume Released (bbls): 35	Volume Recovered (bbls): 29
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☒ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release:
Property damage caused to the flowline by being shot with a firearm multiple times.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2204136156
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? An excess of 25 barrels was released to the environment.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

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

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name: Chet Stuart Title: Manager-EHS, Production, Ops Support

Signature: Chet Stuart Date: 12/19/22

email: cstuart@contango.com Telephone: 432-302-0538

OCD Only

Received by: Jocelyn Harimon Date: 12/19/2022

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2204136156
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	75 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2204136156
District RP	
Facility ID	
Application ID	

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

Printed Name: Chet Stuart Title: Manager-EHS, Ops Support, EHS

Signature: Chet Stuart Date: 12/19/22

email: cstuart@contango.com Telephone: 432-302-0538

OCD Only

Received by: Jocelyn Harimon Date: 12/19/2022

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2204136156
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

☐ Extents of contamination must be fully delineated.

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

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2204136156
District RP	
Facility ID	
Application ID	

Closure

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

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

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

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

Printed Name: Chet Stuart Title: Manager- EHS, Production, and Operations Support

Signature: Chet Stuart Date: 12/19/22

email: cstuart@contango.com Telephone: 432-302-0538

OCD Only

Received by: Jocelyn Harimon Date: 12/19/2022

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: Jennifer Nobui Date: 01/17/2023

Printed Name: Jennifer Nobui Title: Environmental Specialist A

APPENDIX F

Manifests

LEA LAND, LLC

OIL FIELD WASTE LANDFILL

1300 W. MAIN STREET
OKLAHOMA CITY, OK 73106

PHONE: 405-236-4257
FAX: 405-236-4261

Bill To:
ACCOUNTS PAYABLE
CONTANGO OIL & GAS COMPANY
717 TEXAS AVE., SUITE 2900
HOUSTON, TEXAS 77002

INVOICE # 31108

Date: 6/1/2022

AFE Number:

Charge to: C S Caylor 3

Req: JR Curtis

Date(s) of Service: 5/23/2022

Manifest #: 155544, 155545, 155546, 155547, 155548

Ship Via: Tex Mex Rentals

Qty	U/M	Description	Unit Price	Total
250.41	Tons	Non-regulated & non-hazardous waste (soil)	$20.00	$5,008.20
		Landfill located at Carlsbad, NM		

Subtotal	$5,008.20
Sales tax rate	5.500%
Sales tax	$275.45
Total	**$5,283.65**

TERMS: NET 30

Make all checks payable to LEA LAND, LLC
If you have any questions concerning this invoice, please contact:
Shelley Denton at 405-249-1667, E-mail: shelley@lealandllc.com

Thank you for your business!

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257 Tex Mex

NON-HAZARDOUS WASTE MANIFEST NO 155544 | 1. PAGE ___ OF ___ | 2. TRAILER NO. #26

GENERATOR

3. COMPANY NAME: CONTANGO RESOURCES
PHONE NO.: (713) 236-7400
4. ADDRESS: 717 Texas Ave; Suite 2900
CITY: Houston STATE: TX ZIP: 77002
5. PICK-UP DATE: 5/23/2022
6. TNRCC I.D. NO.:

WASTE

	7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
a.	Non-Regulated, Non-Hazardous Waste	1	CM		Y	
b.						
c.						
d.	WT: 42840 34540 46880					

12. COMMENTS OR SPECIAL INSTRUCTIONS: C S CAYLOR 3 10124860 2 BC.

13. WASTE PROFILE NO.:

EMERGENCY

14. IN CASE OF EMERGENCY OR SPILL, CONTACT
NAME: JOE ONTIVEROS PHONE NO: 575-887-4048 24-HOUR EMERGENCY NO.:

TOTAL

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME: COLMAN R CURTIS SIGNATURE: DATE:

TRANSPORTERS

16. TRANSPORTER (1)
NAME: TEX MEX RENTALS
TEXAS I.D. NO.:
IN CASE OF EMERGENCY CONTACT: RON TODD
EMERGENCY PHONE: (575) 492-0888

17. TRANSPORTER (2)
NAME:
TEXAS I.D. NO.:
IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE:

18. TRANSPORTER (1): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Martina Montes
SIGNATURE: M. Montes DATE: 5/23/2022

19. TRANSPORTER (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: SIGNATURE: DATE:

DISPOSAL FACILITY

Lea Land, LLC | ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM | PHONE: 575-887-4048

PERMIT NO.: WM-01-035 - New Mexico

20. COMMENTS:

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE: Brenda Camillo CELL NO.: DATE: 5/23/2022 TIME: 9:30

GENERATOR: COPIES 1 & 6 DISPOSAL SITE: COPIES 2 & 3 TRANSPORTERS: COPIES 4 & 5

COPY 1

LEA LAND DISPOSAL SITE NEW MEXICO

?58h

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257 Tex Mex

NON-HAZARDOUS WASTE MANIFEST NO 155545 | 1. PAGE__OF__ | 2. TRAILER NO. #37

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
CONTANGO RESOURCES	717 Texas Ave, Suite 2900	5/23/2022
PHONE NO.	CITY / STATE / ZIP	6. TNRCC I.D. NO.
(713) 236-7400	Houston / TX / 77002	

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
a. Non-Regulated, Non Hazardous Waste	1	CM		Y	
b.					
c.					
d. WT: 42620 41880 38460					

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.
C S CAYLOR 3 TQ122960	

TOR

14. IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME	PHONE NO	24-HOUR EMERGENCY NO.
JOE ONTIVEROS	575-887-4048	

OR

15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME	SIGNATURE	DATE
CO:MAN JR: CURTIS		

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: TEX MEX RENTALS	NAME:
TEXAS I.D. NO.	TEXAS I.D. NO.
IN CASE OF EMERGENCY CONTACT: RON TODD	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: (575) 492-0888	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	19. TRANSPORTER (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Debra Acosta	PRINTED/TYPED NAME
SIGNATURE Debra Acosta DATE 5/23/2022	SIGNATURE DATE

DISPOSAL FACILITY

Lea Land, LLC	ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	PHONE: 575-887-4048
PERMIT NO. WM-01-035 - New Mexico	20. COMMENTS	

21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Brianda Carillo		5/23/2022	9:35

GENERATOR: COPIES 1 & 6 DISPOSAL SITE: COPIES 2 & 3 TRANSPORTERS: COPIES 4 & 5

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257 Tex Mex

NON-HAZARDOUS WASTE MANIFEST NO 155546 | 1. PAGE __ OF __ | 2. TRAILER NO. #78

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
CONTANGO RESOURCES	717 Texas Ave, Suite 2900	5/23/2022
PHONE NO.	CITY / STATE / ZIP	6. TNRCC I.D. NO.
(713) 236-7400	Houston / TX / 77002	

WASTE

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
a. Non-Regulated, Non Hazardous Waste	1	CM		Y	
b.					
c.					
d. WT: 37440 36820 22260					

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.
C S CAYLOR 3 TQ96520	

14. IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME	PHONE NO	24-HOUR EMERGENCY NO.
JOE ONTIVEROS	575-887-4048	

15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME	SIGNATURE	DATE
CO MAN JR CURTIS		

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: TEX MEX RENTALS	NAME:
TEXAS I.D. NO.	TEXAS I.D. NO.
IN CASE OF EMERGENCY CONTACT: RON TODD	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: (575) 492-0888	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	19. TRANSPORTER (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Enrique Sanchez	PRINTED/TYPED NAME
SIGNATURE DATE 5/23/2022	SIGNATURE DATE

DISPOSAL FACILITY

Lea Land, LLC	ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	PHONE: 575-887-4048

PERMIT NO.	20. COMMENTS
WM-01-035 - New Mexico	

21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Brianda Carrillo		5/23/2022	10:05

GENERATOR: COPIES 1 & 6 DISPOSAL SITE: COPIES 2 & 3 TRANSPORTERS: COPIES 4 & 5

COPY 1

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257 Tex Mex

NON-HAZARDOUS WASTE MANIFEST NO 155547 | 1. PAGE ___ OF ___ | 2. TRAILER NO. 350

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
CONTANGO RESOURCES	717 Texas Ave, Suite 2900	5/23/2022
PHONE NO.	CITY / STATE / ZIP	6. TNRCC I.D. NO.
(713) 236-7400	Houston / TX / 77002	

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
a. Non-Regulated, Non-Hazardous Waste	1	CM		Y	
b.					
c.					
d. WT. 34 940 339800					

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.
C.S. CAYLOR 3 TA 68740	

14. IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME	PHONE NO	24-HOUR EMERGENCY NO.
JOE ONTIVEROS	575-887-4048	

15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME	SIGNATURE	DATE
COMAN JR CURTIS		

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: TEX MEX RENTALS	NAME:
TEXAS I.D. NO.	TEXAS I.D. NO.
IN CASE OF EMERGENCY CONTACT: RON TODD	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: (575) 492-0888	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	19. TRANSPORTER (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME [signature]	PRINTED/TYPED NAME
SIGNATURE [signature] DATE 5/23/2022	SIGNATURE DATE

DISPOSAL FACILITY

	ADDRESS:	PHONE:
Lea Land, LLC	Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	575-887-4048

PERMIT NO.	20. COMMENTS
WM-01-035 - New Mexico	

21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Brenda Carrillo		5/23/2022	11:45

GENERATOR: COPIES 1 & 6 DISPOSAL SITE: COPIES 2 & 3 TRANSPORTERS: COPIES 4 & 5

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257 Tex Mex

NON-HAZARDOUS WASTE MANIFEST NO 155548 | 1. PAGE ___ OF ___ | 2. TRAILER NO. #28

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK UP DATE
CONTANGO RESOURCES	717 Texas Ave, Suite 2900	5/23/2022
PHONE NO. (713) 236-7400	CITY Houston STATE TX ZIP 77002	6. TNRCC I.D. NO.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
a. Non-Regulated, Non Hazardous Waste	1	CM		V	
b.					
c.					
d. WI: 44720 43620					

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.
C S CAYLOR 3 Ta 88340	

14. IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME	PHONE NO	24-HOUR EMERGENCY NO.
JOE ONTIVEROS	575-887-4048	

15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME	SIGNATURE	DATE
CO MANAGER: CURTIS		

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: TEX MEX RENTALS	NAME:
TEXAS I.D. NO.	TEXAS I.D. NO.
IN CASE OF EMERGENCY CONTACT: RON TODD	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: (575) 492-0888	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	19. TRANSPORTER (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Holly Sosa	PRINTED/TYPED NAME:
SIGNATURE: Holly Sosa DATE: 5/23/2022	SIGNATURE: DATE:

DISPOSAL FACILITY

	ADDRESS:	PHONE:
Lea Land, LLC	Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	575-887-4048

PERMIT NO.	20. COMMENTS
WM-01-035 - New Mexico	

21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Branda Carrillo		5/23/2022	11:45

GENERATOR: COPIES 1 & 6 DISPOSAL SITE: COPIES 2 & 3 TRANSPORTERS: COPIES 4 & 5

COPY 1

LEA LAND, LLC

OIL FIELD WASTE LANDFILL

1300 W. MAIN STREET
OKLAHOMA CITY, OK 73106

PHONE: 405-236-4257
FAX: 405-236-4261

Bill To:
ACCOUNTS PAYABLE
CONTANGO OIL & GAS COMPANY
717 TEXAS AVE., SUITE 2900
HOUSTON, TEXAS 77002

INVOICE # 31106

Date: **6/1/2022**

AFE Number:

Charge to: Apollo SWD

Req: JR Curtis

Date(s) of Service: 5/20/2022

Manifest #: 155504, 155505, 155513

Ship Via: Tex Mex Rentals

Qty	U/M	Description	Unit Price	Total
135.11	Tons	Non-regulated & non-hazardous waste (soil)	$20.00	$2,702.20
		Landfill located at Carlsbad, NM		

Subtotal	$2,702.20
Sales tax rate	5.500%
Sales tax	$148.62
Total	**$2,850.82**

TERMS: NET 30

Make all checks payable to LEA LAND, LLC
If you have any questions concerning this invoice, please contact:
Shelley Denton at 405-249-1667, E-mail: shelley@lealandllc.com

Thank you for your business!

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257 Tex Mex

NON-HAZARDOUS WASTE MANIFEST NO 155504 | 1. PAGE __ OF __ | 2. TRAILER NO. #78

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
CONTANGO RESOURCES	717 Texas Ave, Suite 2800	5/20/2022
PHONE NO.	CITY / STATE / ZIP	6. TNRCC I.D. NO.
(713) 236-7400	Houston / TX / 77002	

WASTE

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
a. Non-Regulated, Non Hazardous Waste	1	CM		y	
b.					
c.					
d. WT: 35840 36820 33700					

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.
APOLLO SWD T@105860	

EMERGENCY

14. IN CASE OF EMERGENCY OR SPILL, CONTACT		
NAME	PHONE NO	24-HOUR EMERGENCY NO.
JOE ONTIVEROS	575-887-4048	

GENERATOR

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME	SIGNATURE	DATE
CO MAN: JR. CURTIS		

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: TEX MEX RENTALS	NAME:
TEXAS I.D. NO.	TEXAS I.D. NO.
IN CASE OF EMERGENCY CONTACT: RON TODD	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: (575) 492-0888	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	19. TRANSPORTER (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Enrique Sanchez	PRINTED/TYPED NAME
SIGNATURE / DATE 5/20/2022	SIGNATURE / DATE

DISPOSAL FACILITY

Lea Land, LLC	ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	PHONE: 575-887-4048
PERMIT NO. WM-01-035 - New Mexico	20. COMMENTS	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Brianda Carrillo		5/20/2022	10:20

GENERATOR: COPIES 1 & 6 DISPOSAL SITE: COPIES 2 & 3 TRANSPORTERS: COPIES 4 & 5

COPY 1

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257 Tex Mex

NON-HAZARDOUS WASTE MANIFEST NO 155505 | 1. PAGE ___ OF ___ | 2. TRAILER NO #164

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
CONTANGO RESOURCES	717 Texas Ave, Suite 2900	5/20/2022
PHONE NO.	CITY / STATE / ZIP	6. TNRCC I.D. NO.
(713) 236-7400	Houston / TX / 77002	

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
a. Non-Regulated, Non Hazardous Waste	1	CM		Y	
b.					
c.					
d. WT 28640 25980 27860					

12. COMMENTS OR SPECIAL INSTRUCTIONS: AROLD SWD Ta 82480

13. WASTE PROFILE NO.

14. IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME	PHONE NO	24-HOUR EMERGENCY NO.
JOE ONTIVEROS	575-887-4048	

TOR

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME	SIGNATURE	DATE
CO MAN JR CURTIS		

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: TEX MEX RENTALS	NAME:
TEXAS I.D. NO.	TEXAS I.D. NO.
IN CASE OF EMERGENCY CONTACT: RON TODD	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: (575) 492-0888	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	19. TRANSPORTER (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: X Robert Tyson	PRINTED/TYPED NAME:
SIGNATURE: [signature] DATE: 5/20/2022	SIGNATURE: DATE:

DISPOSAL FACILITY

	ADDRESS:	PHONE:
Lea Land, LLC	Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	575-887-4048

PERMIT NO.	20. COMMENTS
WM-01-035 - New Mexico	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Brenda Carrillo		5/20/2022	10:25

GENERATOR: COPIES 1 & 6 DISPOSAL SITE: COPIES 2 & 3 TRANSPORTERS: COPIES 4 & 5

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257 Tex Mex

NON-HAZARDOUS WASTE MANIFEST NO 155513 | 1. PAGE__OF__ | 2. TRAILER NO. #26

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
CONTANGO RESOURCES	717 Texas Ave, Suite 2900	5/20/2022
PHONE NO.	CITY / STATE / ZIP	6. TNRCC I.D. NO.
(713) 236-7400	Houston / TX / 77002	

WASTE

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
a. Non-Regulated Non Hazardous Waste	1	CM		Y	
b.					
c.					
d. WT: 41640 40240					

APPROVAL

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.
APOLLO SWD TA81880	

EMERGENCY

14. IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME	PHONE NO	24-HOUR EMERGENCY NO.
JOE ONTIVEROS	575-887-4048	

GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME	SIGNATURE	DATE
CO MAN. JR. CURTIS		

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: TEX MEX RENTALS	NAME:
TEXAS I.D. NO.	TEXAS I.D. NO.
IN CASE OF EMERGENCY CONTACT: RON TODD	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: (575) 492-0888	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	19. TRANSPORTER (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Martina Montes	PRINTED/TYPED NAME:
SIGNATURE: M. Montes DATE: 5/20/2022	SIGNATURE: DATE:

DISPOSAL FACILITY

	ADDRESS:	PHONE:
Lea Land, LLC	Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	575-887-4048

PERMIT NO.	20. COMMENTS
WM-01-035 - New Mexico	

21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Brenda Carrillo		5/20/2022	11:35

GENERATOR: COPIES 1 & 6 DISPOSAL SITE: COPIES 2 & 3 TRANSPORTERS: COPIES 4 & 5

COPY 1

LEA LAND, LLC

OIL FIELD WASTE LANDFILL

1300 W. MAIN STREET
OKLAHOMA CITY, OK 73106

PHONE: 405-236-4257
FAX: 405-236-4261

Bill To:
ACCOUNTS PAYABLE
CONTANGO OIL & GAS COMPANY
717 TEXAS AVE., SUITE 2900
HOUSTON, TEXAS 77002

INVOICE # 31440

Date: **7/27/2022**

AFE Number:

Charge to: Apollo SWD

Req: JR Curtis

Date(s) of Service: 07/19/22 - 07/20/22

Manifest #: 158553, 158554, 158555, 158633

Ship Via: Tex Mex Rentals

Qty	U/M	Description	Unit Price	Total
97.05	Tons	Non-regulated & non-hazardous waste (soil)	$20.00	$1,941.00
		Landfill located at Carlsbad, NM		

Subtotal	$1,941.00
Sales tax rate	5.375%
Sales tax	$104.33
Total	**$2,045.33**

TERMS: NET 30

Make all checks payable to LEA LAND, LLC
If you have any questions concerning this invoice, please contact:
Shelley Denton at 405-249-1667, E-mail: shelley@lealandllc.com

Thank you for your business!

LEA LAND DISPOSAL SITE NEW MEXICO

?58h

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257 TEX MEX

NON-HAZARDOUS WASTE MANIFEST NO 158553 | 1. PAGE__OF__ | 2. TRAILER NO. #37

GENERATOR

3. COMPANY NAME	4. ADDRESS			5. PICK-UP DATE
CONTANGO RESOURCES	717 Texas Ave, Suite 2900			7/19/2022
PHONE NO.	CITY	STATE	ZIP	6. TNRCC I.D. NO.
(713) 238-7400	Houston	TX	77002	

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
a. Non-Regulated, Non Hazardous Waste	1	CM		y	
b.					
c.					
d. WR: 33280 37740					

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.
APOLLO SWD ~~JR CURTIS~~ T@71020	

TO

14. IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME	PHONE NO	24-HOUR EMERGENCY NO.
JOE ONTIVEROS	575-887-4048	

GENERATOR

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME	SIGNATURE	DATE
CO MAN: JR. CURTIS		

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: TEX MEX RENTALS	NAME:
TEXAS I.D. NO.	TEXAS I.D. NO.
IN CASE OF EMERGENCY CONTACT: RON TODD	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: (575) 492-0989	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	19. TRANSPORTER (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Debbie Acosta	PRINTED/TYPED NAME
SIGNATURE Debbie Acosta DATE 7/19/2022	SIGNATURE DATE

DISPOSAL FACILITY

Lea Land, LLC	ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	PHONE: 575-887-4048
PERMIT NO. WM-01-035 - New Mexico	20. COMMENTS	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Brianda Carrillo		7/19/2022	10:25

GENERATOR: COPIES 1 & 6 DISPOSAL SITE: COPIES 2 & 3 TRANSPORTERS: COPIES 4 & 5

LEA LAND DISPOSAL SITE NEW MEXICO

?58h

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257 TEX MEX

NON-HAZARDOUS WASTE MANIFEST NO 158554 | 1. PAGE ___ OF ___ | 2. TRAILER NO. #347

GENERATOR

3. COMPANY NAME	4. ADDRESS			5. PICK-UP DATE
CONTANGO RESOURCES	717 Texas Ave, Suite 2900			7/19/2022
PHONE NO.	CITY	STATE	ZIP	6. TNRCC I.D. NO.
(713) 238-7400	Houston	TX	77002	

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
a. Non-Regulated, Non Hazardous Waste	1	CM		y	
b.					
c.					
d. WT: 27560 30760					

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.
APOLLO SWD ~~JR CURTIS~~ TA 58320	

TO

14. IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME	PHONE NO	24-HOUR EMERGENCY NO.
JOE ONTIVEROS	575-887-4048	

ROR

15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME	SIGNATURE	DATE
CO MAN: JR. CURTIS		

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: TEX-MEX RENTALS	NAME:
TEXAS I.D. NO.	TEXAS I.D. NO.
IN CASE OF EMERGENCY CONTACT: RON TODD	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: ~~(676) 492-0888~~	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	19. TRANSPORTER (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Norma Montes	PRINTED/TYPED NAME:
SIGNATURE: [signature] DATE: 7/19/2022	SIGNATURE: DATE:

DISPOSAL FACILITY

	ADDRESS:	PHONE:
Lea Land, LLC	Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	575-887-4048

PERMIT NO.	20. COMMENTS
WM-01-035 - New Mexico	

21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Brianda Carrillo		7/19/2022	10:45

GENERATOR: COPIES 1 & 6 DISPOSAL SITE: COPIES 2 & 3 TRANSPORTERS: COPIES 4 & 5

COPY 1

?58h

LEA LAND DISPOSAL SITE NEW MEXICO

MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257 TEX MEX

NON-HAZARDOUS WASTE MANIFEST NO 158555 | 1. PAGE__OF__ | 2. TRAILER NO. #37

GENERATOR

3. COMPANY NAME	4. ADDRESS			5. PICK-UP DATE
CONTANGO RESOURCES	717 Texas Ave, Suite 2000			~~7/18/2022~~ 7/20/22.
PHONE NO.	CITY	STATE	ZIP	6. TNRCC I.D. NO.
(713) 236-7400	Houston	TX	77002	

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
a. Non-Regulated, Non Hazardous Waste	1	CM		y	
b.					
c.					
d. WT: 37040					

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.
APOLLO SWD ~~JR CURTIS~~	

TREATOR

14. IN CASE OF EMERGENCY OR SPILL, CONTACT

NAME	PHONE NO	24-HOUR EMERGENCY NO.
JOE ONTIVEROS	575-887-4048	

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME	SIGNATURE	DATE
CO MAN: JR. CURTIS		

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: TEX MEX RENTALS	NAME:
TEXAS I.D. NO.	TEXAS I.D. NO.
IN CASE OF EMERGENCY CONTACT: RON TODD	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: (575) 402-0888	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	19. TRANSPORTER (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Debbie Acosta	PRINTED/TYPED NAME
SIGNATURE: Debbie Acosta DATE: ~~7/18/2022~~	SIGNATURE DATE

DISPOSAL FACILITY

Lea Land, LLC	ADDRESS: Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	PHONE: 575-887-4048
PERMIT NO. WM-01-035 - New Mexico	20. COMMENTS	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Brianda Carrillo		7/20/22 ~~7/18/2022~~	10:05

GENERATOR: COPIES 1 & 6 DISPOSAL SITE: COPIES 2 & 3 TRANSPORTERS: COPIES 4 & 5

LEA LAND DISPOSAL SITE NEW MEXICO

?58h MILE MARKER #64 US HWY 62/180 • 30 MILES EAST OF CARLSBAD, NM • PHONE (575) 887-4048

LEA LAND, LLC

1300 WEST MAIN STREET • OKLAHOMA CITY, OK 73106 • PHONE (405) 236-4257 TEX MEX

NON-HAZARDOUS WASTE MANIFEST NO 158633 | 1. PAGE__OF__ | 2. TRAILER NO. #29

GENERATOR

3. COMPANY NAME	4. ADDRESS			5. PICK-UP DATE
CONTANGO RESOURCES	717 Texas Ave, Suite 2900			7/20/2022
PHONE NO.	CITY	STATE	ZIP	6. TNRCC I.D. NO.
(713) 236-7400	Houston	TX	77002	

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11. TEXAS WASTE ID #
a. Non-Regulated, Non Hazardous Waste	1	CM		y	
b.					
c.					
d. WT: 27720					

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.
APOLLO SWD JR CURTIS	

GENERATOR

14. IN CASE OF EMERGENCY OR SPILL, CONTACT		
NAME	PHONE NO.	24-HOUR EMERGENCY NO.
JOE ONTIVEROS	575-887-4048	

GENERATOR

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, including applicable state regulations, and are the same materials previously approved by LEA LAND, LLC

PRINTED/TYPED NAME	SIGNATURE	DATE
CO MAN: JR: CURTIS		

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: TEX MEX RENTALS	NAME:
TEXAS I.D. NO.	TEXAS I.D. NO.
IN CASE OF EMERGENCY CONTACT: RON TODD	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: (575) 402-0888	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	19. TRANSPORTER (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Norma Monks	PRINTED/TYPED NAME
SIGNATURE [signature] DATE 7/20/2022	SIGNATURE DATE

DISPOSAL FACILITY

	ADDRESS:	PHONE:
Lea Land, LLC	Mile Marker 64, U.S. Hwy 62/180, 30 Miles East of Carlsbad, NM	575-887-4048

PERMIT NO.	20. COMMENTS
WM-01-035 - New Mexico	

DISPOSAL FACILITY

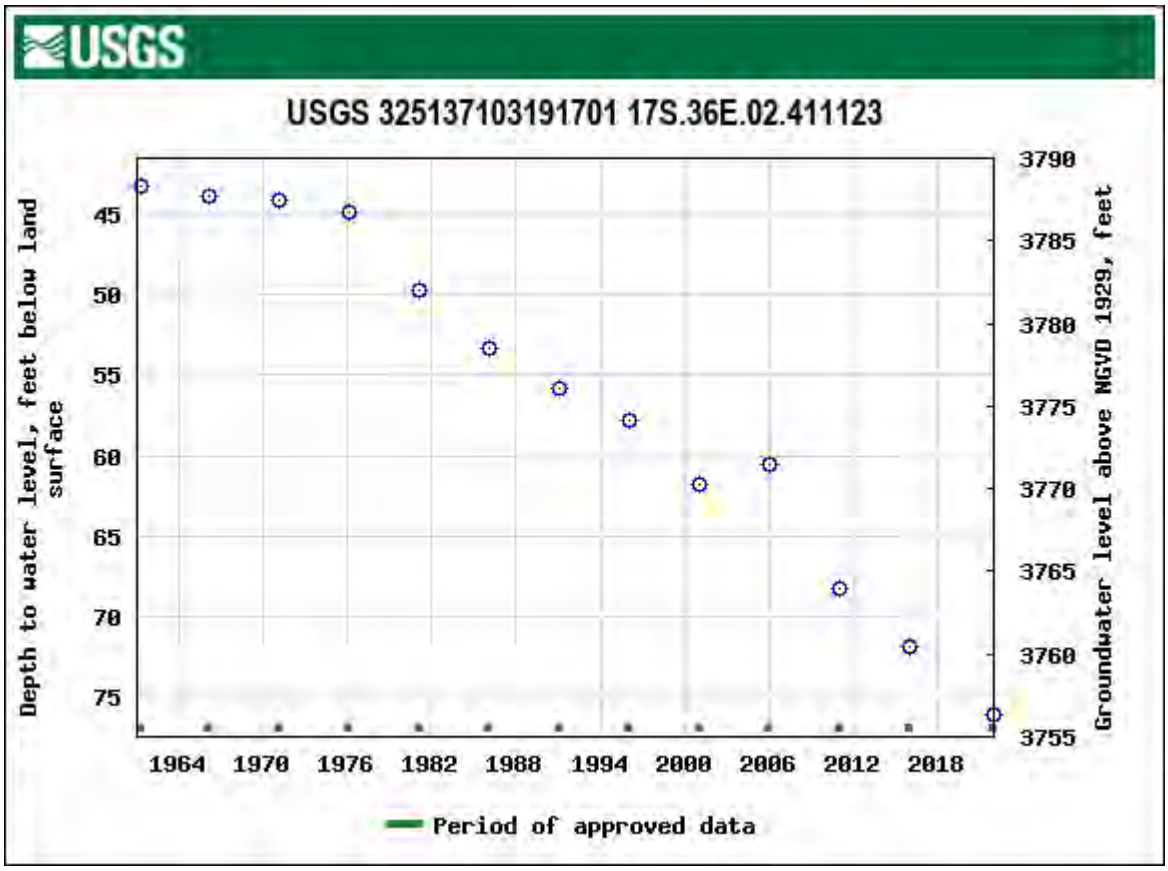
21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
Brianda Carrillo		7/20/2022	10:20

GENERATOR: COPIES 1 & 6 DISPOSAL SITE: COPIES 2 & 3 TRANSPORTERS: COPIES 4 & 5

APPENDIX G

Groundwater


USGS
USGS 325137103191701 17S.36E.02.411123
Depth to water level, feet below land surface
45
50
55
60
65
70
75
Groundwater level above NGVD 1929, feet
3790
3785
3780
3775
3770
3765
3760
3755
1964
1970
1976
1982
1988
1994
2000
2006
2012
2018
Period of approved data

Click to hideNews Bulletins

- Effective October 24, 2022 hyperlinks to legacy Current Condition pages will automatically redirect users to the corresponding Monitoring Location page. Please see the Water Data For The Nation Blog for full details, including how to navigate back to the legacy Current Condition page, if desired.
- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 325137103191701

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

USGS 325137103191701 17S.36E.02.411123

Lea County, New Mexico
Latitude 32°51'50.4", Longitude 103°19'28.4" NAD83
Land-surface elevation 3,832.00 feet above NGVD29
The depth of the well is 145 feet below land surface.
This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1961-03-29		D	62610		3788.79	NGVD29	1	Z		
1961-03-29		D	62611		3790.12	NAVD88	1	Z		
1961-03-29		D	72019	43.21			1	Z		
1966-02-21		D	62610		3788.05	NGVD29	1	Z		
1966-02-21		D	62611		3789.38	NAVD88	1	Z		
1966-02-21		D	72019	43.95			1	Z		
1971-02-10		D	62610		3787.87	NGVD29	1	Z		
1971-02-10		D	62611		3789.20	NAVD88	1	Z		
1971-02-10		D	72019	44.13			1	Z		
1976-02-25		D	62610		3787.14	NGVD29	1	Z		
1976-02-25		D	62611		3788.47	NAVD88	1	Z		
1976-02-25		D	72019	44.86			1	Z		
1981-01-13		D	62610		3782.22	NGVD29	1	Z		
1981-01-13		D	62611		3783.55	NAVD88	1	Z		

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1981-01-13		D	72019	49.78			1	Z		
1986-01-14		D	62610		3778.63	NGVD29	1	Z		
1986-01-14		D	62611		3779.96	NAVD88	1	Z		
1986-01-14		D	72019	53.37			1	Z		
1991-01-15		D	62610		3776.13	NGVD29	1	Z		
1991-01-15		D	62611		3777.46	NAVD88	1	Z		
1991-01-15		D	72019	55.87			1	Z		
1996-01-19		D	62610		3774.23	NGVD29	1	S		
1996-01-19		D	62611		3775.56	NAVD88	1	S		
1996-01-19		D	72019	57.77			1	S		
2001-01-16		D	62610		3770.26	NGVD29	1	S		
2001-01-16		D	62611		3771.59	NAVD88	1	S		
2001-01-16		D	72019	61.74			1	S		
2006-01-20	17:27 UTC	m	62610		3771.41	NGVD29	1	S	USGS	
2006-01-20	17:27 UTC	m	62611		3772.74	NAVD88	1	S	USGS	
2006-01-20	17:27 UTC	m	72019	60.59			1	S	USGS	
2010-12-22	20:00 UTC	m	62610		3763.79	NGVD29	1	S	USGS	
2010-12-22	20:00 UTC	m	62611		3765.12	NAVD88	1	S	USGS	
2010-12-22	20:00 UTC	m	72019	68.21			1	S	USGS	
2016-01-08	17:05 UTC	m	62610		3760.11	NGVD29	1	S	USGS	
2016-01-08	17:05 UTC	m	62611		3761.44	NAVD88	1	S	USGS	
2016-01-08	17:05 UTC	m	72019	71.89			1	S	USGS	
2021-12-22	21:01 UTC	m	62610		3755.84	NGVD29	1	S	USGS	
2021-12-22	21:01 UTC	m	62611		3757.17	NAVD88	1	S	USGS	
2021-12-22	21:01 UTC	m	72019	76.16			1	S	USGS	

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2022-11-15 11:48:48 EST
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Energy, Minerals and Natural Resources
Oil Conservation Division
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CONDITIONS

Action 168343

CONDITIONS

Operator: Contango Resources, LLC 111 E. 5TH STREET FORT WORTH, TX 76102	OGRID: 330447
	Action Number: 168343
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	1/17/2023