

Final Closure Report

December 1, 2022

Blinebry Satellite #1 Crude Oil and Produced Water Release

Incident No.: nCE2026733719

Prepared For:

Southwest Royalties, Inc. P.O. Box 53570 Midland, Texas 79710

Prepared By:

Crain Environmental 2925 East 17th Street Odessa, Texas 79761

Cynthia K. Crain, P.G.



Table of Contents

| 1.0 | INTRODUCTION | 1 |
|-----|------------------------|---|
| 2.0 | BACKGROUND | 1 |
| | REMEDIATION ACTIVITIES | |
| 4.0 | REQUEST FOR CLOSURE | 2 |
| 5.0 | DISTRIBUTION | 2 |

TABLE

Table 1: Confirmation Sample Analytical Data Summary

FIGURES

Figure 1 – Site Location Map

Figure 2 – Site Map With Sample Locations – West Part of West Excavation

Figure 3 – Site Map With Sample Locations – East Part of West Excavation

Figure 4 – Site Map With Sample Locations – East Excavation

APPENDICES

Appendix A – Photographic Documentation

Appendix B – Laboratory Analytical Reports

Appendix C – Final Form C-141



1.0 Introduction

Crain Environmental (CE), on behalf of Southwest Royalties, Inc. (SWR), has prepared this *Final Closure Report* for the crude oil and produced water release at the Blineby Satellite #1 (Site) located in Unit C (NE/4, NW/4), Section 29, Township 22 South, Range 38 East in Lea County, New Mexico. The geodetic position is North 32.36805° and West 103.08540°. Figure 1 presents a Site Location map.

2.0 Background

On May 17, 2022, a Remediation Report with Variance and Deferral Request (Remediation Plan) for Southwest Royalties, Inc. (SWR) Incident ID (n#) nCE2026733719 was submitted to the New Mexico Oil Conservation Division (OCD) fee portal.

The Remediation Plan proposed a variance to install a 20-mil polyethylene liner in the bottom of the excavation at approximately 8 feet bgs over an area measuring approximately 950 square feet encompassing sample locations C-72, EXP-C-72 and C-69, backfilling of the excavation(s) to ground surface, and deferral of remediation in the lease road until excavation(s) were backfilled. Figure 2 shows the area of liner placement, and Figures 2, 3, and 4 show the areas of sample collection and/or soil remediation in the lease road.

On June 2, 2022, the Remediation Plan was approved with the following conditions:

 "OCD approves backfilling excavations and approves request for a variance for a liner. OCD also approves Deferral Request to address impact in service road after excavations have been backfilled. OCD requests the deferral be in place for 90 days to address impacts in service road from date of backfill."

The purpose of this Final Closure Report is to provide data associated with the completion of all requested activities listed above, and to respectfully request final closure of Incident # nCE2026733719 (Application ID 107769).

3.0 Remediation Activities

Liner Placement and Backfill of Excavations

On September 1, 2022, approval to proceed with liner placement and excavation backfill was approved by the landowner. The 20-mil polyethylene liner was installed (as approved) on September 21, 2022, and backfilling of the excavations began. Backfilling (as approved) continued through September 30, 2022. Appendix A provides a photo log that shows installation of the liner and the backfilled excavations.

Remediation of Soil in Lease Road

On October 3, 2022, soil samples (B-4 at 1' [Figure 2], B-8 at 1', and B-8 at 3' [Figure 4]) were collected from the areas in the lease road where total petroleum hydrocarbon (TPH) and/or chloride concentrations were previously reported above the OCD Closure Criteria. The laboratory report is included in Appendix B.

Concentrations of TPH at B-4 (54.5 mg/kg) were reported below the Closure Criteria at a depth of 1' below ground surface (bgs). Concentrations of TPH at B-8 were reported above the Closure Criteria at depths of 1' bgs (2,876 mg/kg) and 3' bgs (1,010.6 mg/kg), and concentrations of chloride at B-8 were reported below the Closure Criteria at depths of 1' bgs (460 mg/kg) and 3' bgs (113 mg/kg).



On October 31, 2022, a 13' x 14' x 3.5' area was excavated in the area of sample point B-8. Confirmation samples were collected from the east and west sidewalls (B-8E and B-8W), and from the bottom (B-8 [3.5']) of the excavation and submitted to Eurofins Environment Testing (Eurofins) in Midland, Texas for analysis of TPH, BTEX, and chlorides. Table 1 provides a summary of the laboratory results. Figure 4 shows the excavation dimensions and sample point locations. Results of confirmation samples to the north and south of the excavation were provided in the Remediation Plan. The laboratory report is included in Appendix B.

As concentrations of TPH, BTEX, and chlorides were reported below the Closure Criteria in each sample, the excavation was backfilled with clean soil on November 11, 2022. Photographic documentation is provided in Appendix A.

4.0 Request for Closure

As all conditions of the Remediation Plan have been completed to OCD specifications, SWR respectfully requests that Incident # nCE2026733719 be closed. A copy of the Final C-141 is included in Appendix C.

5.0 Distribution

Copy 1: Mike Bratcher

New Mexico Energy, Minerals, and Natural Resources Department

Oil Conservation Division, District 2

811 S. First Street

Artesia, New Mexico 88210

Copy 2: Tim Culp

Southwest Royalties, Inc.

P.O. Box 53570 Midland, Texas 79710

Copy 3: M.Y. Merchant

Southwest Royalties, Inc.

2401 Avenue O

Eunice, New Mexico 88240



TABLE

Table 1
Confirmation Soil Sample Analytical Data Summary
Blinebry Sat #1 - Lease Road
Lea County, New Mexico
North 32 22' 4.98" West 103 5' 7.32"W

Page 1 of 2

| Sample | Depth | Collection | Status | Benzene | BTEX | C6 - C10 | C10 - C28 | C28 - C36 | TPH | Chloride |
|-------------|--------|------------|---------|-----------|-----------|----------|-----------|-----------|-------------|--------------|
| | (Feet) | Date | | (mg/Kg | (mg/Kg) | (mg/Kg) | (mg/Kg) | (mg/Kg) | (mg/Kg) | (mg/Kg) |
| Remediation | Level: | | | 10 | 50 | | | | 100 / 2,500 | 600 / 10,000 |
| B-1 | 1 | 8/16/2021 | In-Situ | <0.00202 | <0.00403 | <50.0 | <50.0 | <50.0 | <50.0 | 13.2 |
| | 3 | 8/16/2021 | In-Situ | <0.00200 | <0.00400 | <49.9 | <49.9 | <49.9 | <49.9 | 68.5 |
| | 5 | 8/16/2021 | In-Situ | <0.00200 | <0.00399 | <50.0 | <50.0 | <50.0 | <50.0 | 84.8 |
| | 10 | 8/16/2021 | In-Situ | <0.00199 | <0.00398 | <49.9 | <49.9 | <49.9 | <49.9 | 107 |
| B-2 | 1 | 8/16/2021 | In-Situ | <0.00199 | <0.00398 | <50.0 | <50.0 | <50.0 | <50.0 | 339 |
| | 3 | 8/16/2021 | In-Situ | <0.00200 | 0.00453 | <49.9 | <49.9 | <49.9 | <49.9 | 360 |
| | 5 | 8/16/2021 | In-Situ | <0.00202 | <0.00403 | <50.0 | <50.0 | <50.0 | <50.0 | 178 |
| | 10 | 8/16/2021 | In-Situ | <0.00200 | <0.00400 | <49.9 | <49.9 | <49.9 | <49.9 | 83.5 |
| B-3 | 1 | 8/16/2021 | In-Situ | <0.00202 | <0.00403 | <49.9 | <49.9 | <49.9 | <49.9 | 43.2 |
| | 3 | 8/16/2021 | In-Situ | 0.00254 | 0.00599 | <49.8 | <49.8 | <49.8 | <49.8 | 83.1 |
| | 5 | 8/16/2021 | In-Situ | <0.00198 | <0.00396 | <50.0 | <50.0 | <50.0 | <50.0 | 108 |
| | 10 | 8/16/2021 | In-Situ | <0.00201 | <0.00402 | <50.0 | <50.0 | <50.0 | <50.0 | 114 |
| B-4 | 1 | 8/16/2021 | In-Situ | <0.00200 | <0.00401 | <49.9 | 364 | <49.9 | 364 | 249 |
| | 1 | 10/3/2022 | In-Situ | | | <15.0 | 54.5 | <15.0 | 54.5 | |
| | 3 | 8/16/2021 | In-Situ | <0.00202 | <0.00404 | <49.9 | <49.9 | <49.9 | <49.9 | 575 |
| | 5 | 8/16/2021 | In-Situ | <0.00199 | <0.00398 | <49.8 | <49.8 | <49.8 | <49.8 | 320 |
| | 10 | 8/16/2021 | In-Situ | <0.00199 | <0.00398 | <49.9 | <49.9 | <49.9 | <49.9 | 153 |
| B-5 | 1 | 8/16/2021 | In-Situ | <0.00199 | <0.00398 | <50.0 | <50.0 | <50.0 | <50.0 | 38.4 |
| | 3 | 8/16/2021 | In-Situ | <0.00199 | <0.00398 | <49.8 | <49.8 | <49.8 | <49.8 | 85.3 |
| | 5 | 8/16/2021 | In-Situ | <0.00198 | <0.00397 | <50.0 | <50.0 | <50.0 | <50.0 | 99.6 |
| | 10 | 8/16/2021 | In-Situ | <0.00199 | <0.00398 | <50.0 | <50.0 | <50.0 | <50.0 | 98.8 |
| B-6 | 1 | 8/16/2021 | In-Situ | <0.00200 | <0.00400 | <50.0 | <50.0 | <50.0 | <50.0 | 278 |
| | 3 | 8/16/2021 | In-Situ | <0.00199 | <0.00398 | <49.9 | <49.9 | <49.9 | <49.9 | 582 |
| | 5 | 8/16/2021 | In-Situ | <0.00201 | <0.00402 | <49.8 | <49.8 | <49.8 | <49.8 | 542 |
| | 10 | 8/16/2021 | In-Situ | <0.00202 | <0.00403 | <49.9 | <49.9 | <49.9 | <49.9 | 448 |
| B-7 | 1 | 8/16/2021 | In-Situ | <0.00200 | <0.00401 | <49.8 | <49.8 | <49.8 | <49.8 | 42.3 |
| | 3 | 8/16/2021 | In-Situ | 0.0000373 | <0.000040 | <49.9 | <49.9 | <49.9 | <49.9 | 38.8 |

Table 1 Confirmation Soil Sample Analytical Data Summary Blinebry Sat #1 - Lease Road Lea County, New Mexico

North 32 22' 4.98" West 103 5' 7.32"W

Page 2 of 2

| Sample | Depth | Collection | Status | Benzene | BTEX | C6 - C10 | C10 - C28 | C28 - C36 | TPH | Chloride |
|--------------------|---------|------------|-----------|----------|----------|----------|-----------|-----------|-------------|--------------|
| | (Feet) | Date | | (mg/Kg | (mg/Kg) | (mg/Kg) | (mg/Kg) | (mg/Kg) | (mg/Kg) | (mg/Kg) |
| Remediation Level: | | | | 10 | 50 | | | | 100 / 2,500 | 600 / 10,000 |
| B-7 | 5 | 8/16/2021 | In-Situ | <0.00200 | <0.00399 | <49.8 | <49.8 | <49.8 | <49.8 | 25.9 |
| B-8 | 1 | 8/16/2021 | Excavated | <0.00200 | <0.00400 | <49.9 | 387 | <49.9 | 387 | 625 |
| | 1 | 10/3/2022 | Excavated | | | <15.0 | 2,370 | 506 | 2,876 | 460 |
| | 3 | 8/16/2021 | Excavated | <0.00199 | <0.00398 | <49.9 | <49.9 | <49.9 | <49.9 | 998 |
| | 3 | 10/3/2022 | Excavated | | | 18.6 | 306 | 686 | 1,010.6 | 113 |
| | 3.5 | 10/31/2022 | In-Situ | 0.000922 | <0.00101 | 21.9 | <15.0 | <15.0 | 21.9 | 139 |
| | 5 | 8/16/2021 | In-Situ | <0.00202 | 0.0101 | <49.8 | <49.8 | <49.8 | <49.8 | 471 |
| | 10 | 8/16/2021 | In-Situ | <0.00199 | <0.00398 | <50.0 | <50.0 | <50.0 | <50.0 | 312 |
| B-8E | 0 - 3.5 | 10/31/2022 | In-Situ | 0.00119 | 0.00119 | 29.5 | 18.7 | <14.9 | 48.2 | 97.7 |
| B-8W | 0 - 3.5 | 10/31/2022 | In-Situ | 0.00113 | 0.00113 | 23.4 | 20.7 | <15.0 | 44.1 | 43.9 |

Notes: Analysis performed by Eurofins/Xenco Laboratories by EPA SW-846 Methods 8021B (BTEX), 8015M (TPH), and M300 (chloride)

Depth in feet below ground surface (bgs)

mg/Kg: milligrams per kilogram equivalent to parts per million (ppm)

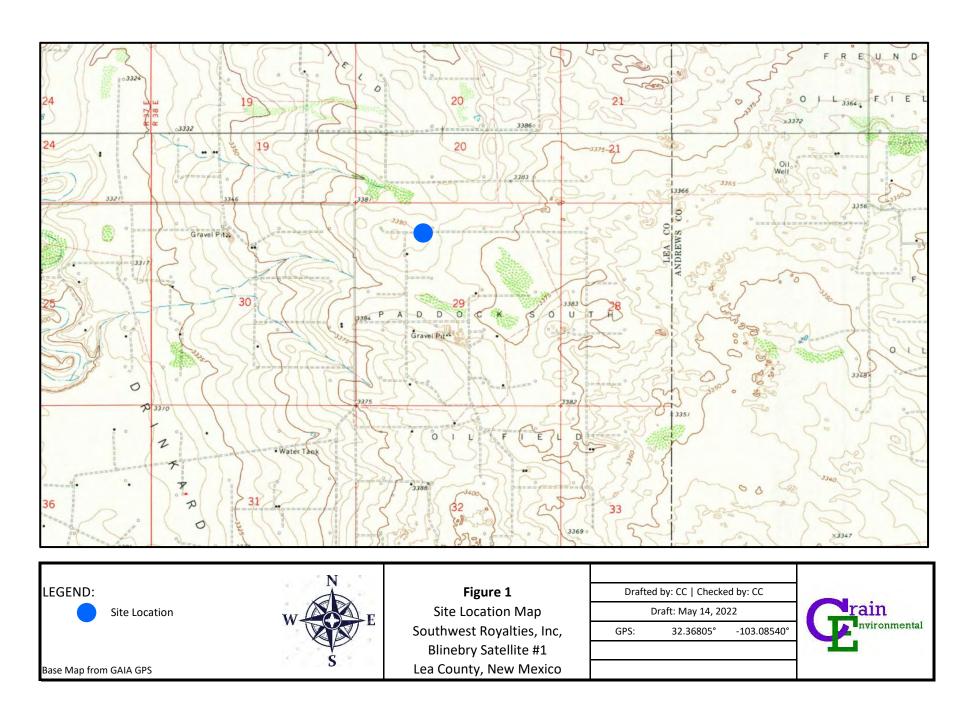
<: denotes concentration less than analytical method reporting limit

Bold and Highlighted exceeds OCD remediation levels

Italic and Highlighted indicates soil was excavated and disposed



FIGURES



D. J. J. J. T. 1/5/2022 11:25:45 434

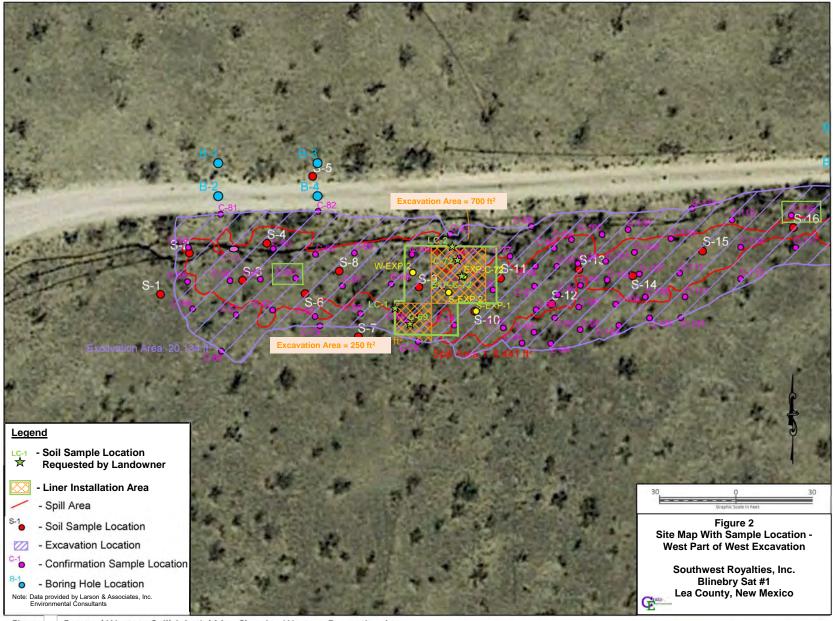


Figure 2 -Focused Western Spill 1 Aerial Map Showing Western Excavation Area

D. J. J. 4. T. 1/5/2022 11:25:45 43/

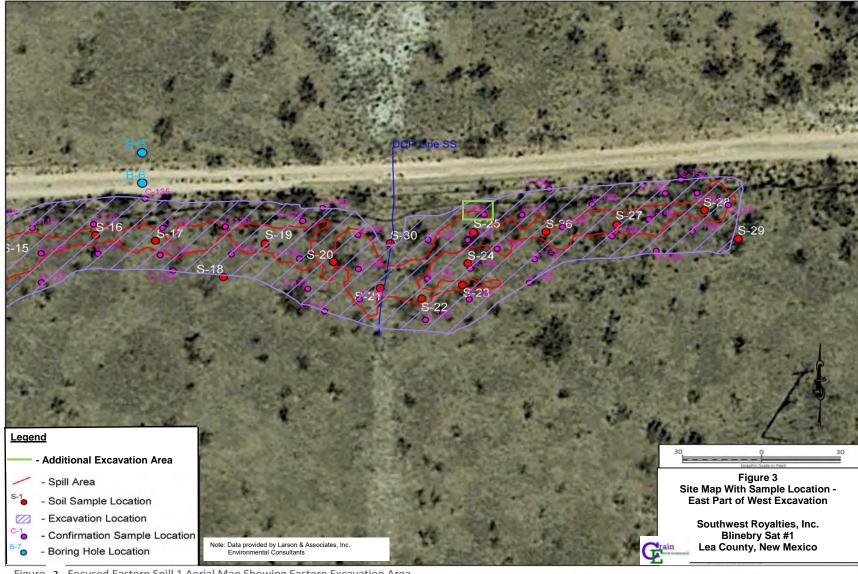


Figure 3 -Focused Eastern Spill 1 Aerial Map Showing Eastern Excavation Area

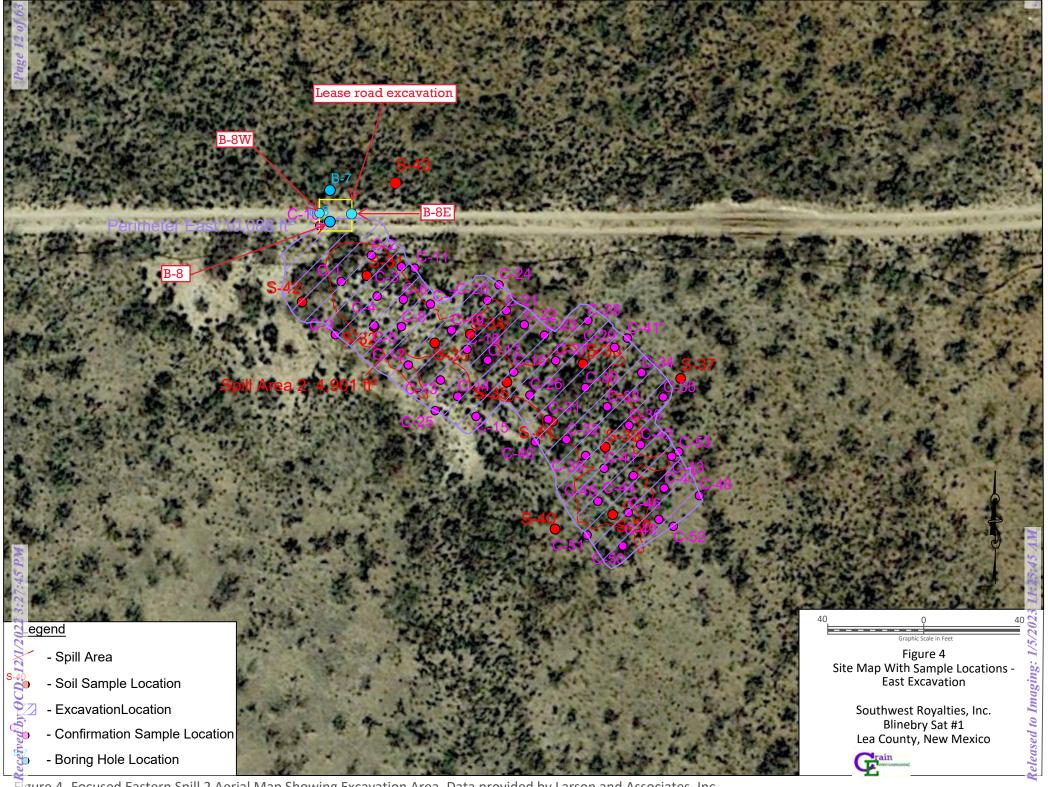


Figure 4 -Focused Eastern Spill 2 Aerial Map Showing Excavation Area. Data provided by Larson and Associates, Inc.



Appendix A: Photographic Documentation

Southwest Royalties, Inc. Blinebry Satellite #1



Area to be covered with liner (9/21/22).



Liner installed (9/21/22).



Liner installed and backfill started (9/21/22).



Liner installed and backfill started (9/21/22).



View to E of backfilled W excavation (10/3/22).



View to W of backfilled E excavation (10/3/22).



View to W of backfilled W excavation (10/3/22).



View to NE of backfilled E excavation (10/3/22).



View to N of excavation in road (10/31/22).



View to S of excavation in road (10/31/22).



View to W of excavation in road (10/31/22).



View to E of backfilled road excavation (11/11/22).



Appendix B: Laboratory Analytical Reports





.....LINKS

Review your project results through

EOL

Have a Question?

www.eurofinsus.com/Env

Released to Imaging: 1/5/2023 11:25:45 AM

Visit us at:

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-19976-1

Laboratory Sample Delivery Group: Lea Co., NM

Client Project/Site: Blinebry Sat #1

Revision: 1

Crain Environmental 2925 E. 17th St. Odessa, Texas 79761

Attn: Cindy Crain

RAMER

Authorized for release by: 10/13/2022 1:02:58 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

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

Client: Crain Environmental

Project/Site: Blinebry Sat #1

Laboratory Job ID: 880-19976-1

SDG: Lea Co., NM

Table of Contents

| Cover Page | 1 |
|------------------------|----|
| Table of Contents | 2 |
| Definitions/Glossary | 3 |
| Case Narrative | 4 |
| Client Sample Results | 5 |
| Surrogate Summary | 7 |
| QC Sample Results | 8 |
| QC Association Summary | 12 |
| Lab Chronicle | 14 |
| Certification Summary | 15 |
| Method Summary | 16 |
| Sample Summary | 17 |
| Chain of Custody | |
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Definitions/Glossary

Client: Crain Environmental Job ID: 880-19976-1 Project/Site: Blinebry Sat #1 SDG: Lea Co., NM

Qualifiers

GC Semi VOA

Qualifier **Qualifier Description** J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

S1-Surrogate recovery exceeds control limits, low biased. U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

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

Percent Recovery %R **CFL** Contains Free Liquid CFU Colony Forming Unit **CNF** Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

Detection Limit (DoD/DOE) DL

DL, RA, RE, IN Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

Decision Level Concentration (Radiochemistry) DLC

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) Limit of Quantitation (DoD/DOE) LOQ

MCL EPA recommended "Maximum Contaminant Level" Minimum Detectable Activity (Radiochemistry) MDA 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)

Reporting Limit or Requested Limit (Radiochemistry) RL

RPD Relative Percent Difference, a measure of the relative difference between two points

Toxicity Equivalent Factor (Dioxin) **TEF TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Released to Imaging: 1/5/2023 11:25:45 AM

Case Narrative

Client: Crain Environmental

Project/Site: Blinebry Sat #1

Job ID: 880-19976-1

SDG: Lea Co., NM

Job ID: 880-19976-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-19976-1

REVISION

The report being provided is a revision of the original report sent on 10/10/2022. The report (revision 1) is being revised due to Per client email requesting TPH on B-8 (3').

Report revision history

Receipt

The samples were received on 10/4/2022 4:08 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 5.7°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: B-8 (1') (880-19976-1), B-8 (3') (880-19976-2) and B-4 (1') (880-19976-3).

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-36186 and analytical batch 880-36113 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (880-20138-A-4-E MS) and (880-20138-A-4-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

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

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Job ID: 880-19976-1

SDG: Lea Co., NM

Client Sample ID: B-8 (1')

Client: Crain Environmental

Project/Site: Blinebry Sat #1

Date Collected: 10/03/22 10:50 Date Received: 10/04/22 16:08

Sample Depth: 1'

| Lab | Sample | ID: | 880 | -19 | 976-1 | |
|-----|--------|-----|-----|-----|-------|--|
| | | | | | | |

10/05/22 14:06 10/06/22 06:06

10/12/22 08:44 10/12/22 17:49

Lab Sample ID: 880-19976-3

Lab Sample ID: 880-19976-2

Matrix: Solid

Matrix: Solid

| Method: SW846 8015 NM - Die | esel Range | Organics (| DRO) (GC) | | | | | | |
|-----------------------------------|--------------|------------|------------|------|-------|---|----------------|----------------|---------|
| Analyte | | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total TPH | 2880 | | 49.9 | 15.0 | mg/Kg | | | 10/06/22 11:00 | 1 |
| Method: SW846 8015B NM - D | Diesel Range | e Organics | (DRO) (GC) | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics | <15.0 | U | 49.9 | 15.0 | mg/Kg | | 10/05/22 14:06 | 10/06/22 06:06 | 1 |
| (GRO)-C6-C10 | | | | | | | | | |
| Diesel Range Organics (Over | 2370 | | 49.9 | 15.0 | mg/Kg | | 10/05/22 14:06 | 10/06/22 06:06 | 1 |
| C10-C28) | | | | | | | | | |
| Oll Range Organics (Over C28-C36) | 506 | | 49.9 | 15.0 | mg/Kg | | 10/05/22 14:06 | 10/06/22 06:06 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 106 | | 70 - 130 | | | | 10/05/22 14:06 | 10/06/22 06:06 | 1 |

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier **MDL** Unit Prepared Analyzed Dil Fac Chloride 460 4.98 0.393 mg/Kg 10/08/22 08:46

70 - 130

Client Sample ID: B-8 (3')

Date Collected: 10/03/22 11:05 Date Received: 10/04/22 16:08

Sample Depth: 3'

(GRO)-C6-C10

Diesel Range Organics (Over

o-Terphenyl

| Method: SW846 8015 NM - Di | esel Range | Organics (D | RO) (GC) | | | | | | |
|----------------------------|--------------|-------------|-----------|------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total TPH | 1010 | | 49.8 | 14.9 | mg/Kg | | | 10/06/22 11:00 | 1 |
| Method: SW846 8015B NM - I | Diesel Range | Organics (| DRO) (GC) | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics | 18.6 | J | 49.8 | 14.9 | mg/Kg | | 10/12/22 08:44 | 10/12/22 17:49 | 1 |

| 1-Chlorooctane | 88 | 70 - 130 | | 10/12/22 08:44 | 10/12/22 17:49 | 1 |
|--|---------------------|----------|------------|----------------|----------------|---------|
| Surrogate | %Recovery Qualifier | Limits | | Prepared | Analyzed | Dil Fac |
| C10-C28) Oll Range Organics (Over C28-C36) | 686 | 49.8 | 14.9 mg/Kg | 10/12/22 08:44 | 10/12/22 17:49 | 1 |

49.8

14.9 mg/Kg

| Carrogate | 7011CCCVC1 y | Quanner | Liiiito | 1 Tepared | Analyzea | Dii i uc |
|----------------|--------------|---------|----------|----------------|----------------|----------|
| 1-Chlorooctane | 88 | | 70 - 130 | 10/12/22 08:44 | 10/12/22 17:49 | 1 |
| o-Terphenyl | 85 | | 70 - 130 | 10/12/22 08:44 | 10/12/22 17:49 | 1 |
| _ | | | | | | |

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL **MDL** Unit

306

117

Prepared Dil Fac Analyzed Chloride 113 5.00 0.395 mg/Kg 10/08/22 09:09

Client Sample ID: B-4 (1') Date Collected: 10/03/22 11:20

Date Received: 10/04/22 16:08

Sample Depth: 1'

| Method: SW846 8015 NM - Die | sel Range (| Organics (D | ORO) (GC) | | | | | | |
|-----------------------------|-------------|-------------|-----------|------|-------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total TPH | 54.5 | | 49.9 | 15.0 | mg/Kg | | | 10/06/22 11:00 | 1 |

Eurofins Midland

Matrix: Solid

Matrix: Solid

Lab Sample ID: 880-19976-3

Client Sample Results

Client: Crain Environmental
Project/Site: Blinebry Sat #1
Job ID: 880-19976-1
SDG: Lea Co., NM

Client Sample ID: B-4 (1')

Date Collected: 10/03/22 11:20 Date Received: 10/04/22 16:08

Sample Depth: 1'

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|-----------|-----------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | <15.0 | U | 49.9 | 15.0 | mg/Kg | | 10/05/22 14:06 | 10/06/22 05:44 | 1 |
| Diesel Range Organics (Over C10-C28) | 54.5 | | 49.9 | 15.0 | mg/Kg | | 10/05/22 14:06 | 10/06/22 05:44 | 1 |
| Oll Range Organics (Over C28-C36) | <15.0 | U | 49.9 | 15.0 | mg/Kg | | 10/05/22 14:06 | 10/06/22 05:44 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 105 | | 70 - 130 | | | | 10/05/22 14:06 | 10/06/22 05:44 | 1 |
| o-Terphenyl | 113 | | 70 - 130 | | | | 10/05/22 14:06 | 10/06/22 05:44 | 1 |

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Surrogate Summary

Client: Crain Environmental Job ID: 880-19976-1
Project/Site: Blinebry Sat #1 SDG: Lea Co., NM

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

Matrix: Solid Prep Type: Total/NA

| | | | Percent Su | rrogate Recovery (Acceptance Limits) |
|----------------------|------------------------|----------|------------|--------------------------------------|
| | | 1001 | OTPH1 | |
| Lab Sample ID | Client Sample ID | (70-130) | (70-130) | |
| 880-19973-A-46-C MS | Matrix Spike | 71 | 73 | |
| 880-19973-A-46-D MSD | Matrix Spike Duplicate | 84 | 85 | |
| 880-19976-1 | B-8 (1') | 106 | 117 | |
| 880-19976-2 | B-8 (3') | 88 | 85 | |
| 880-19976-3 | B-4 (1') | 105 | 113 | |
| 880-20138-A-4-E MS | Matrix Spike | 74 | 67 S1- | |
| 880-20138-A-4-F MSD | Matrix Spike Duplicate | 75 | 66 S1- | |
| LCS 880-36186/2-A | Lab Control Sample | 91 | 108 | |
| LCS 880-36718/2-A | Lab Control Sample | 99 | 107 | |
| LCSD 880-36186/3-A | Lab Control Sample Dup | 92 | 108 | |
| LCSD 880-36718/3-A | Lab Control Sample Dup | 88 | 94 | |
| MB 880-36186/1-A | Method Blank | 6 S1- | 7 S1- | |
| MB 880-36718/1-A | Method Blank | 83 | 92 | |

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Released to Imaging: 1/5/2023 11:25:45 AM

Eurofins Midland

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Client: Crain Environmental Job ID: 880-19976-1 Project/Site: Blinebry Sat #1 SDG: Lea Co., NM

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

Lab Sample ID: MB 880-36186/1-A

Matrix: Solid

Analysis Batch: 36113

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 36186

| | MB | MR | | | | | | | |
|---|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics | <15.0 | U | 50.0 | 15.0 | mg/Kg | | 10/05/22 14:06 | 10/05/22 20:28 | 1 |
| (GRO)-C6-C10 Diesel Range Organics (Over | <15.0 | U | 50.0 | 15.0 | mg/Kg | | 10/05/22 14:06 | 10/05/22 20:28 | 1 |
| C10-C28) Oll Range Organics (Over C28-C36) | <15.0 | U | 50.0 | 15.0 | mg/Kg | | 10/05/22 14:06 | 10/05/22 20:28 | 1 |
| | | | | | | | | | |

MB MB

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 6 | S1- | 70 - 130 | 10/05/22 14:06 | 10/05/22 20:28 | 1 |
| o-Terphenyl | 7 | S1- | 70 - 130 | 10/05/22 14:06 | 10/05/22 20:28 | 1 |

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 36186

Prep Type: Total/NA

Prep Batch: 36186

Matrix: Solid **Analysis Batch: 36113**

Lab Sample ID: LCS 880-36186/2-A

| | Spike | LCS | LCS | | | | %Rec | |
|---|-------|--------|-----------|-------|---|------|----------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 777.3 | | mg/Kg | | 78 | 70 - 130 | |
| Diesel Range Organics (Over C10-C28) | 1000 | 872.8 | | mg/Kg | | 87 | 70 - 130 | |

LCS LCS

| Surrogate | %Recovery Qual | ifier Limits |
|----------------|----------------|--------------|
| 1-Chlorooctane | 91 | 70 - 130 |
| o-Terphenyl | 108 | 70 - 130 |

Lab Sample ID: LCSD 880-36186/3-A

Matrix: Solid

Analysis Batch: 36113

| | Spike | LCSD | LCSD | | | | %Rec | | RPD |
|-----------------------------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Gasoline Range Organics | 1000 | 841.3 | | mg/Kg | | 84 | 70 - 130 | 8 | 20 |
| (GRO)-C6-C10 | | | | | | | | | |
| Diesel Range Organics (Over | 1000 | 878.3 | | mg/Kg | | 88 | 70 - 130 | 1 | 20 |
| C10-C28) | | | | | | | | | |

LCSD LCSD

| Surrogate | %Recovery C | (ualifier | Limits |
|----------------|-------------|-----------|----------|
| 1-Chlorooctane | 92 | | 70 - 130 |
| o-Terphenyl | 108 | | 70 - 130 |

C10-C28)

| Lab Sample ID: 880-19973- Matrix: Solid Analysis Batch: 36113 | -A-46-C MS | | | | | | CI | ient Sa | mple ID: Matrix Spike Prep Type: Total/NA Prep Batch: 36186 |
|---|------------|-----------|-------|--------|-----------|-------|----|---------|---|
| | Sample | Sample | Spike | MS | MS | | | | %Rec |
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits |
| Gasoline Range Organics (GRO)-C6-C10 | 15.6 | J | 998 | 926.9 | | mg/Kg | | 91 | 70 - 130 |
| Diesel Range Organics (Over | <15.0 | U | 998 | 818.6 | | mg/Kg | | 82 | 70 - 130 |

Client: Crain Environmental Job ID: 880-19976-1 Project/Site: Blinebry Sat #1 SDG: Lea Co., NM

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

Lab Sample ID: 880-19973-A-46-C MS

Matrix: Solid

Analysis Batch: 36113

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 36186

MS MS %Recovery Qualifier Surrogate Limits 1-Chlorooctane 71 70 - 130 o-Terphenyl 73 70 - 130

Lab Sample ID: 880-19973-A-46-D MSD

Matrix: Solid

Analysis Batch: 36113

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 36186

%Rec MSD MSD **RPD** Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Gasoline Range Organics 15.6 J 999 1119 mg/Kg 110 70 - 130 19 20 (GRO)-C6-C10 Diesel Range Organics (Over <15.0 U 999 975.0 mg/Kg 98 70 - 130 17 20 C10-C28)

MSD MSD

| Surrogate | %Recovery | Qualifier | Limits |
|----------------|-----------|-----------|----------|
| 1-Chlorooctane | 84 | | 70 - 130 |
| o-Terphenyl | 85 | | 70 - 130 |

Lab Sample ID: MB 880-36718/1-A

Matrix: Solid

Analysis Batch: 36713

Client Sample ID: Method Blank **Prep Type: Total/NA**

Prep Batch: 36718

| | MB | MB | | | | | | | |
|---|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Gasoline Range Organics (GRO)-C6-C10 | <15.0 | U | 50.0 | 15.0 | mg/Kg | | 10/12/22 08:44 | 10/12/22 11:04 | 1 |
| Diesel Range Organics (Over C10-C28) | <15.0 | U | 50.0 | 15.0 | mg/Kg | | 10/12/22 08:44 | 10/12/22 11:04 | 1 |
| Oll Range Organics (Over C28-C36) | <15.0 | U | 50.0 | 15.0 | mg/Kg | | 10/12/22 08:44 | 10/12/22 11:04 | 1 |
| | MB | MB | | | | | | | |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 83 | | 70 - 130 | 10/12/22 08:44 | 10/12/22 11:04 | 1 |
| o-Terphenyl | 92 | | 70 - 130 | 10/12/22 08:44 | 10/12/22 11:04 | 1 |

Lab Sample ID: LCS 880-36718/2-A

Matrix: Solid

Analysis Batch: 36713

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

Prep Batch: 36718

| | Spike | LCS | LCS | | | | %Rec | |
|-----------------------------|-------|--------|-----------|-------|---|------|----------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Gasoline Range Organics | 1000 | 1007 | | mg/Kg | _ | 101 | 70 - 130 | |
| (GRO)-C6-C10 | | | | | | | | |
| Diesel Range Organics (Over | 1000 | 903.1 | | mg/Kg | | 90 | 70 - 130 | |
| C10-C28) | | | | | | | | |

LCS LCS

| Surrogate | %Recovery | Qualifier | Limits |
|----------------|-----------|-----------|----------|
| 1-Chlorooctane | 99 | | 70 - 130 |
| o-Terphenyl | 107 | | 70 - 130 |

Client: Crain Environmental Job ID: 880-19976-1 Project/Site: Blinebry Sat #1 SDG: Lea Co., NM

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

Lab Sample ID: LCSD 880-36718/3-A

Matrix: Solid

Analysis Batch: 36713

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 36718

Prep Batch: 36718

| | Spike | LCSD | LCSD | | | | %Rec | | RPD |
|-----------------------------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Gasoline Range Organics | 1000 | 824.6 | | mg/Kg | | 82 | 70 - 130 | 20 | 20 |
| (GRO)-C6-C10 | | | | | | | | | |
| Diesel Range Organics (Over | 1000 | 942.9 | | mg/Kg | | 94 | 70 - 130 | 4 | 20 |

C10-C28)

LCSD LCSD

| Surrogate | %Recovery Qualifier | r Limits |
|----------------|---------------------|----------|
| 1-Chlorooctane | 88 | 70 - 130 |
| o-Terphenyl | 94 | 70 - 130 |

Lab Sample ID: 880-20138-A-4-E MS Client Sample ID: Matrix Spike **Prep Type: Total/NA**

Matrix: Solid

Analysis Batch: 36713

| | Sample | Sample | Spike | MS | MS | | | | %Rec | |
|---|--------|-----------|-------|--------|-----------|-------|---|------|----------|--|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Gasoline Range Organics (GRO)-C6-C10 | 15.7 | J | 998 | 1005 | | mg/Kg | | 99 | 70 - 130 | |
| Diesel Range Organics (Over C10-C28) | <14.9 | U | 998 | 700.9 | | mg/Kg | | 70 | 70 - 130 | |

MS MS %Recovery Qualifier Surrogate Limits 1-Chlorooctane 74 70 - 130 o-Terphenyl 67 S1-70 - 130

Lab Sample ID: 880-20138-A-4-F MSD

Matrix: Solid

Analysis Batch: 36713

| Client Sample | ID: I | Matrix S | Spike | Duplicate |
|---------------|-------|----------|-------|-----------|
| | | Prep | Type: | Total/NA |

Prep Batch: 36718

| | Sample | Sample | Spike | MSD | MSD | | | | %Rec | | RPD |
|---|--------|-----------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Gasoline Range Organics (GRO)-C6-C10 | 15.7 | J | 998 | 1021 | | mg/Kg | | 101 | 70 - 130 | 2 | 20 |
| Diesel Range Organics (Over C10-C28) | <14.9 | U | 998 | 713.6 | | mg/Kg | | 72 | 70 - 130 | 2 | 20 |

MSD MSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 75 70 - 130 o-Terphenyl 66 S1-70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-36234/1-A **Client Sample ID: Method Blank Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 36484

MB MB

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | <0.395 | U | 5.00 | 0.395 | mg/Kg | | | 10/08/22 08:23 | 1 |

QC Sample Results

Client: Crain Environmental Job ID: 880-19976-1 Project/Site: Blinebry Sat #1 SDG: Lea Co., NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

| Lab Sample ID: LCS 880-36234/2-A | | | | Clier | nt Sar | nple ID | : Lab Control Sample |
|----------------------------------|-------|--------|-----------|-------|--------|---------|----------------------|
| Matrix: Solid | | | | | | | Prep Type: Soluble |
| Analysis Batch: 36484 | | | | | | | |
| | Spike | LCS | LCS | | | | %Rec |
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits |
| Chloride | 250 | 274.4 | | mg/Kg | | 110 | 90 - 110 |

| Lab Sample ID: LCSD 880-36234/3-A Matrix: Solid Analysis Batch: 36484 | | | C | Client Sai | mple | ID: Lab | Control Prep Ty | • | |
|---|-------|--------|-----------|------------|------|---------|--------------------|-----|-------|
| Analysis Batch: 36464 | Spike | LCSD | LCSD | | | | %Rec | | RPD |
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Chloride | 250 | 266.3 | | mg/Kg | | 107 | 90 - 110 | 3 | 20 |

| | Sample Sample | Snika | MS MS | %Pac |
|----------------------------|---------------|-------|-------|---------------------------|
| Analysis Batch: 36484 | | | | |
| Matrix: Solid | | | | Prep Type: Soluble |
| Lab Sample ID: 880-19976-1 | IVIS | | | Client Sample ID: B-8 (1) |

| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | | |
|----------|--------|-----------|-------|--------|-----------|-------|---|------|----------|---------|--------|
| Chloride | 460 | | 249 | 706.4 | | mg/Kg | | 99 | 90 - 110 | | |
| | 4 1400 | | | | | | | Olia | | ID: D (| . /41\ |

| Matrix: Solid | I MISD | | | | Prep Type: Sol | • • |
|-----------------------|--------|--------|-------|---------|----------------|-----|
| Analysis Batch: 36484 | | | | | | |
| | Sample | Sample | Spike | MSD MSD | %Rec | RPD |

| | | Sample | Sample | Spike | MSD | MSD | | | | %Rec | | RPD |
|---|----------|--------|-----------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| | Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| l | Chloride | 460 | | 249 | 707.4 | | mg/Kg | | 99 | 90 - 110 | 0 | 20 |

QC Association Summary

Client: Crain Environmental

Project/Site: Blinebry Sat #1

Job ID: 880-19976-1

SDG: Lea Co., NM

GC Semi VOA

Analysis Batch: 36113

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|----------|------------|
| 880-19976-1 | B-8 (1') | Total/NA | Solid | 8015B NM | 36186 |
| 880-19976-3 | B-4 (1') | Total/NA | Solid | 8015B NM | 36186 |
| MB 880-36186/1-A | Method Blank | Total/NA | Solid | 8015B NM | 36186 |
| LCS 880-36186/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 36186 |
| LCSD 880-36186/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 36186 |
| 880-19973-A-46-C MS | Matrix Spike | Total/NA | Solid | 8015B NM | 36186 |
| 880-19973-A-46-D MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 36186 |

Prep Batch: 36186

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|----------------------|------------------------|-----------|--------|-------------|------------|
| 880-19976-1 | B-8 (1') | Total/NA | Solid | 8015NM Prep | |
| 880-19976-3 | B-4 (1') | Total/NA | Solid | 8015NM Prep | |
| MB 880-36186/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-36186/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-36186/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 880-19973-A-46-C MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 880-19973-A-46-D MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

Analysis Batch: 36263

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-19976-1 | B-8 (1') | Total/NA | Solid | 8015 NM | |
| 880-19976-2 | B-8 (3') | Total/NA | Solid | 8015 NM | |
| 880-19976-3 | B-4 (1') | Total/NA | Solid | 8015 NM | |

Analysis Batch: 36713

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-19976-2 | B-8 (3') | Total/NA | Solid | 8015B NM | 36718 |
| MB 880-36718/1-A | Method Blank | Total/NA | Solid | 8015B NM | 36718 |
| LCS 880-36718/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 36718 |
| LCSD 880-36718/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 36718 |
| 880-20138-A-4-E MS | Matrix Spike | Total/NA | Solid | 8015B NM | 36718 |
| 880-20138-A-4-F MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 36718 |

Prep Batch: 36718

| Lab Sample ID 880-19976-2 | Client Sample ID B-8 (3') | Prep Type Total/NA | Matrix Solid | Method 8015NM Prep | Prep Batch |
|-------------------------------------|----------------------------|--------------------|-----------------|-----------------------|------------|
| MB 880-36718/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-36718/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-36718/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 880-20138-A-4-E MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 880-20138-A-4-F MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

HPLC/IC

Leach Batch: 36234

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-19976-1 | B-8 (1') | Soluble | Solid | DI Leach | |
| 880-19976-2 | B-8 (3') | Soluble | Solid | DI Leach | |
| MB 880-36234/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-36234/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-36234/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |

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QC Association Summary

Client: Crain Environmental
Project/Site: Blinebry Sat #1
Job ID: 880-19976-1
SDG: Lea Co., NM

HPLC/IC (Continued)

Leach Batch: 36234 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-----------------|------------------|-----------|--------|----------|------------|
| 880-19976-1 MS | B-8 (1') | Soluble | Solid | DI Leach | |
| 880-19976-1 MSD | B-8 (1') | Soluble | Solid | DI Leach | |

Analysis Batch: 36484

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-19976-1 | B-8 (1') | Soluble | Solid | 300.0 | 36234 |
| 880-19976-2 | B-8 (3') | Soluble | Solid | 300.0 | 36234 |
| MB 880-36234/1-A | Method Blank | Soluble | Solid | 300.0 | 36234 |
| LCS 880-36234/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 36234 |
| LCSD 880-36234/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 36234 |
| 880-19976-1 MS | B-8 (1') | Soluble | Solid | 300.0 | 36234 |
| 880-19976-1 MSD | B-8 (1') | Soluble | Solid | 300.0 | 36234 |

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Client: Crain Environmental Project/Site: Blinebry Sat #1

Lab Sample ID: 880-19976-1

Matrix: Solid

Client Sample ID: B-8 (1') Date Collected: 10/03/22 10:50

Date Received: 10/04/22 16:08

| _ | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8015 NM | | 1 | | | 36263 | 10/06/22 11:00 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.03 g | 10 mL | 36186 | 10/05/22 14:06 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 36113 | 10/06/22 06:06 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 36234 | 10/06/22 09:45 | CH | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 36484 | 10/08/22 08:46 | CH | EET MID |

Lab Sample ID: 880-19976-2

Matrix: Solid

Date Collected: 10/03/22 11:05 Date Received: 10/04/22 16:08

Client Sample ID: B-8 (3')

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Type | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8015 NM | | 1 | | - | 36263 | 10/06/22 11:00 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.04 g | 10 mL | 36718 | 10/12/22 08:44 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 36713 | 10/12/22 17:49 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 36234 | 10/06/22 09:45 | CH | EET MID |
| Soluble | Analysis | 300.0 | | 1 | | | 36484 | 10/08/22 09:09 | CH | EET MID |

Lab Sample ID: 880-19976-3 Client Sample ID: B-4 (1') **Matrix: Solid**

Date Collected: 10/03/22 11:20

Date Received: 10/04/22 16:08

| 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 | Amount | Amount | 36263 | 10/06/22 11:00 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 36186 | 10/05/22 14:06 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 36113 | 10/06/22 05:44 | SM | EET MID |

Laboratory References:

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

Accreditation/Certification Summary

Client: Crain Environmental Job ID: 880-19976-1 SDG: Lea Co., NM Project/Site: Blinebry Sat #1

Laboratory: Eurofins Midland

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

| Authority Texas | | Program NELAP | T104704400-22-24 | Expiration Date 06-30-23 |
|---|-------------|-------------------------------|---|---------------------------------------|
| The following analyte the agency does not o | | port, but the laboratory is r | not certified by the governing authority. | This list may include analytes for wh |
| Analysis Method | Prep Method | Matrix | Analyte | |
| 8015 NM | | Solid | Total TPH | |

Method Description

Deionized Water Leaching Procedure

Microextraction

Method Summary

Client: Crain Environmental Project/Site: Blinebry Sat #1 Job ID: 880-19976-1 SDG: Lea Co., NM

EET MID

Protocol Laboratory Diesel Range Organics (DRO) (GC) SW846 **EET MID** Diesel Range Organics (DRO) (GC) SW846 **EET MID** Anions, Ion Chromatography **MCAWW EET MID** SW846 EET MID

ASTM

Protocol References:

Method

8015 NM

8015B NM

DI Leach

8015NM Prep

300.0

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: Crain Environmental Project/Site: Blinebry Sat #1 Job ID: 880-19976-1

SDG: Lea Co., NM

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | De |
|---------------|------------------|--------|----------------|----------------|----|
| 880-19976-1 | B-8 (1') | Solid | 10/03/22 10:50 | 10/04/22 16:08 | 1' |
| 880-19976-2 | B-8 (3') | Solid | 10/03/22 11:05 | 10/04/22 16:08 | 3' |
| 880-19976-3 | B-4 (1') | Solid | 10/03/22 11:20 | 10/04/22 16:08 | 1' |

votice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions

Circle Method(s) and Metal(s) to be analyzed

Total 200.7 / 6010

200.8 / 6020:

8RCRA 13PPM Texas 11 Al Sb

TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U

As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Nı K

Se

Ag SiO₂ Na Sr Tl Sn U V Zn 1631 / 245 1 / 7470 / 7471

Ha

880-19976 Chain of Custody

13 14

Chain of Custody

| | | | Cliall of Castody | |
|--------------|----------------------|-------------------------|--|--|
| | | Houston, TX | Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 | |
| | | Midland, TX (4 | Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 | Work Order No: |
| | Xenco | EL Paso, TX (| EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296 | |
| | | Hobbs NM (| Hobbs NM (575) 392-7550 Carlsbad, NM (575) 988-3199 | - |
| | | | | www.xenco.com Page / of / |
| ject Manager | Lindy Cain | Bill to: (if different) | Leasa Hate | Work Order Comments |
| npany Name: | rain Covironmental | Company Name | SWR | Program: UST/PST PRP Brownfields RRC Superfund |
| fress. | 2925 E. 17x St. | Address. | P.O.Bex 53570 | State of Project: NM |
| , State ZIP· | Odessa, 7x 79761 | City, State ZIP | Midland TX 79710 | Reporting Level II |
| one / | (575) 441-7244 Email | | lindy Crain @ grail con | Deliverables EDD ☐ ADaPT ☐ Other |

| Hobbs NM (5: | Hobbs NM (575) 392-7550 Carlsbad, NM (575) 988-3199 | - |
|-------------------------|---|---|
| | | www.xenco.com Page / of / |
| Bill to: (if different) | Leasa Halo | Work Order Comments |
| Company Name | SWR | Program: UST/PST PRP Brownfields RRC Superfund |
| Address. | P.O.By 53570 | State of Project: NM |
| City, State ZIP· | Midland TX 79710 | Reporting Level III Level III PST/UST TRRP Level IV |
| Cindy Cra | lindy Ecoin @ grail con | Deliverables EDD ☐ ADaPT ☐ Other |

| of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negr | of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated. | submitted to Eurofins Xenco, but not analy | yzed. These terms will be enforced unless previously | negotiated. | |
|---|--|--|--|-------------------------|-----------|
| Relinguished by:/Signature) | Received by: (Signature) | Date/Time | Relinquished by (Signature) | Received by (Signature) | Date/Time |
| was law | 1 4 4/ | 22 FN 03 | 2 | | |
| | | 80%) | 4 | | |
| | | | 6 | | |

SAMPLE RECEIPT

emp Blank. Yes

Ye No

Wet Ice

Parameters

TPH 8015 H

Chloride 5

Ö

Thermometer ID:

Sampler's Name: roject Location.

Lea lo.

Gain ググ

> Due Date **X**Routine

TAT starts the day received by the lab, if received by 4:30pm

Project Number

roject Name

Blineby Sat #

Turn Around

ANALYSIS REQUEST

HCL. HC H₂S0₄. H₂

> HNO 3 HN МеОН Ме DI Water: H₂O

NaOH Na

Cool Cool

NaHSO 4 NABIS H₃PO₄ HP

Na₂S₂O₃ NaSO ₃

NaOH+Ascorbic Acid SAPC Zn Acetate+NaOH Zn

Sample Comments

None NO

Preservative Codes

Rush

Code

ddress.

ompany Name:

roject Manager

Lity, State ZIP:

Cooler Custody Seals:

amples Received Intact:

ample Custody Seals.

Yes

S

Corrected Temperature: Temperature Reading: Correction Factor

Total Containers:

Sample Identification

Matrix

Time Sampled

Depth

of Cont

Comp Grab/

B - 4 B - 8 B-8

S S

10/3/22 10/3/22

1105 1120

كن

16/3/22 Date Sampled

Login Sample Receipt Checklist

Client: Crain Environmental Job Number: 880-19976-1 SDG Number: Lea Co., NM

Login Number: 19976 List Source: Eurofins Midland

List Number: 1

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 | |

Eurofins Midland

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Environment Testing

ANALYTICAL REPORT

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

Laboratory Job ID: 880-21018-1

Laboratory Sample Delivery Group: Lea Co. NM

Client Project/Site: Blinebry Sat #1

For:

🗱 eurofins

Crain Environmental 2925 E. 17th St. Odessa, Texas 79761

Attn: Cindy Crain

KRAMER

Authorized for release by: 11/8/2022 11:29:57 AM

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.

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Client: Crain Environmental

Project/Site: Blinebry Sat #1

Laboratory Job ID: 880-21018-1 SDG: Lea Co. NM

Table of Contents

| Cover Page | 1 |
|------------------------|----|
| Table of Contents | 2 |
| Definitions/Glossary | 3 |
| Case Narrative | 4 |
| Client Sample Results | 5 |
| Surrogate Summary | 8 |
| | 9 |
| QC Association Summary | 13 |
| Lab Chronicle | 15 |
| Certification Summary | 16 |
| Method Summary | 17 |
| Sample Summary | 18 |
| Chain of Custody | 19 |
| Receipt Checklists | 20 |

| 9 | |
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| | |

Definitions/Glossary

Client: Crain Environmental Job ID: 880-21018-1
Project/Site: Blinebry Sat #1 SDG: Lea Co. NM

2

Qualifiers

GC VOA Qualifier

F1 MS and/or MSD recovery exceeds control limits.

Qualifier Description

F2 MS/MSD RPD exceeds control limits

Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

S1- Surrogate recovery exceeds control limits, low biased.
U Indicates the analyte was analyzed for but not detected.

GC Semi VOA

 Qualifier
 Qualifier Description

 B
 Compound was found in the blank and sample.

 F2
 MS/MSD RPD exceeds control limits

 J
 Result is less than the RL but greater than or equal to

Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

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 |

Dii Fac Diiulion 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

- Tablibar Quantitation E

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)

Released to Imaging: 1/5/2023 11:25:45 AM

TNTC Too Numerous To Count

Eurofins Midland

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Case Narrative

Client: Crain Environmental

Project/Site: Blinebry Sat #1

Job ID: 880-21018-1

SDG: Lea Co. NM

Job ID: 880-21018-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-21018-1

Receipt

The samples were received on 11/1/2022 3:00 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 0.2°C

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: B-8 (3.5') (880-21018-1), B-8E (0-3.5') (880-21018-2) and B-8W (0-3.5') (880-21018-3).

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-38465 and analytical batch 880-38581 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: (880-20981-A-1-C MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

Method 8015MOD_NM: The method blank for preparation batch 880-38587 and analytical batch 880-38572 contained Gasoline Range Organics (GRO)-C6-C10, Diesel Range Organics (Over C10-C28) and Oll Range Organics (Over C28-C36) 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.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-38587 and analytical batch 880-38572 was outside control limits. Sample non-homogeneity is suspected.

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

HPLC/IC

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

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Matrix: Solid

Lab Sample ID: 880-21018-1

Client Sample Results

Client: Crain Environmental Job ID: 880-21018-1 Project/Site: Blinebry Sat #1 SDG: Lea Co. NM

Client Sample ID: B-8 (3.5')

Date Collected: 10/31/22 09:15 Date Received: 11/01/22 15:00

Sample Depth: 3.5'

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|---|--|--|-----------------------------|--------------------------|--------------|---|--|--|
| Benzene | 0.000922 | J | 0.00200 | 0.000384 | mg/Kg | | 11/02/22 15:00 | 11/03/22 11:38 | 1 |
| Toluene | < 0.000455 | U | 0.00200 | 0.000455 | mg/Kg | | 11/02/22 15:00 | 11/03/22 11:38 | 1 |
| Ethylbenzene | < 0.000564 | U | 0.00200 | 0.000564 | mg/Kg | | 11/02/22 15:00 | 11/03/22 11:38 | 1 |
| m-Xylene & p-Xylene | <0.00101 | U | 0.00399 | 0.00101 | mg/Kg | | 11/02/22 15:00 | 11/03/22 11:38 | 1 |
| o-Xylene | < 0.000343 | U | 0.00200 | 0.000343 | mg/Kg | | 11/02/22 15:00 | 11/03/22 11:38 | 1 |
| Xylenes, Total | <0.00101 | U | 0.00399 | 0.00101 | mg/Kg | | 11/02/22 15:00 | 11/03/22 11:38 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | | | 70 - 130 | | | | 11/02/22 15:00 | 11/03/22 11:38 | 1 |
| 1,4-Difluorobenzene (Surr) | 106 | | 70 - 130 | | | | 11/02/22 15:00 | 11/03/22 11:38 | 1 |
| Method: TAL SOP Total BTEX - 1 | Total BTEX Cald | culation | | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Total BTEX | <0.00101 | U | 0.00399 | 0.00101 | mg/Kg | | | 11/03/22 16:34 | 1 |
| | | | | | | | | | |
| Mothod: SW946 9015 NM Dioce | ol Bango Organ | ice (DBO) (| CC) | | | | | | |
| Method: SW846 8015 NM - Diese Analyte | | , ,, | • | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Analyte | Result | Qualifier | GC) RL 50.0 | | Unit mg/Kg | <u>D</u> | Prepared | Analyzed 11/04/22 11:23 | |
| Method: SW846 8015 NM - Diese Analyte Total TPH | | Qualifier | RL | | Unit mg/Kg | <u>D</u> | Prepared | | |
| Analyte | Result 21.9 | Qualifier J | RL 50.0 | | | <u>D</u> | Prepared | | |
| Analyte Total TPH | Result 21.9 | Qualifier J | RL 50.0 | 15.0 | | <u>D</u> | Prepared Prepared | | 1 |
| Analyte Total TPH Method: SW846 8015B NM - Dies | Result 21.9 sel Range Orga | Qualifier J nics (DRO) | RL 50.0 | 15.0 | mg/Kg | - | | 11/04/22 11:23 | Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics | Result 21.9 sel Range Orga | Qualifier J nics (DRO) Qualifier J F2 B | RL 50.0 (GC) | 15.0 MDL 15.0 | mg/Kg Unit | - | Prepared | 11/04/22 11:23 Analyzed | Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over | Result 21.9 Sel Range Orga Result 21.9 | Qualifier J nics (DRO) Qualifier J F2 B | RL 50.0 (GC) RL 50.0 | 15.0 MDL 15.0 15.0 | mg/Kg Unit mg/Kg | - | Prepared 11/03/22 08:39 | 11/04/22 11:23 Analyzed 11/03/22 23:47 | Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) | Result 21.9 sel Range Orga Result 21.9 < 15.0 | Qualifier J nics (DRO) Qualifier J F2 B U | RL 50.0 (GC) RL 50.0 50.0 | 15.0 MDL 15.0 15.0 | mg/Kg Unit mg/Kg mg/Kg | - | Prepared 11/03/22 08:39 11/03/22 08:39 | 11/04/22 11:23 Analyzed 11/03/22 23:47 11/03/22 23:47 | 1 Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate | Result 21.9 Sel Range Orga Result 21.9 <15.0 | Qualifier J nics (DRO) Qualifier J F2 B U | RL 50.0 (GC) RL 50.0 50.0 | 15.0 MDL 15.0 15.0 | mg/Kg Unit mg/Kg mg/Kg | - | Prepared 11/03/22 08:39 11/03/22 08:39 11/03/22 08:39 | Analyzed 11/03/22 23:47 11/03/22 23:47 11/03/22 23:47 | Dil Face 1 1 1 Dil Face |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) | Result 21.9 | Qualifier J nics (DRO) Qualifier J F2 B U | RL 50.0 | 15.0 MDL 15.0 15.0 | mg/Kg Unit mg/Kg mg/Kg | - | Prepared 11/03/22 08:39 11/03/22 08:39 11/03/22 08:39 Prepared | Analyzed 11/03/22 23:47 11/03/22 23:47 11/03/22 23:47 Analyzed | Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane | Result 21.9 | Qualifier J nics (DRO) Qualifier J F2 B U U Qualifier | RL 50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130 | 15.0 MDL 15.0 15.0 | mg/Kg Unit mg/Kg mg/Kg | - | Prepared 11/03/22 08:39 11/03/22 08:39 11/03/22 08:39 Prepared 11/03/22 08:39 | 11/04/22 11:23 Analyzed 11/03/22 23:47 11/03/22 23:47 Analyzed 11/03/22 23:47 | Dil Fac |
| Analyte Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl | Result 21.9 | Qualifier J nics (DRO) Qualifier J F2 B U U Qualifier | RL 50.0 (GC) RL 50.0 50.0 50.0 Limits 70 - 130 70 - 130 | 15.0 MDL 15.0 15.0 | mg/Kg Unit mg/Kg mg/Kg | - | Prepared 11/03/22 08:39 11/03/22 08:39 11/03/22 08:39 Prepared 11/03/22 08:39 | 11/04/22 11:23 Analyzed 11/03/22 23:47 11/03/22 23:47 Analyzed 11/03/22 23:47 | Dil Fac Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac |

Client Sample ID: B-8E (0-3.5')

Date Collected: 10/31/22 09:30

Date Received: 11/01/22 15:00

Sample Depth: 0-3.5'

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|------------|-----------|----------|----------|-------|---|----------------|----------------|---------|
| Benzene | 0.00119 | J | 0.00201 | 0.000387 | mg/Kg | | 11/02/22 15:00 | 11/03/22 11:59 | |
| Toluene | <0.000458 | U | 0.00201 | 0.000458 | mg/Kg | | 11/02/22 15:00 | 11/03/22 11:59 | 1 |
| Ethylbenzene | < 0.000567 | U | 0.00201 | 0.000567 | mg/Kg | | 11/02/22 15:00 | 11/03/22 11:59 | 1 |
| m-Xylene & p-Xylene | <0.00101 | U | 0.00402 | 0.00101 | mg/Kg | | 11/02/22 15:00 | 11/03/22 11:59 | 1 |
| o-Xylene | < 0.000345 | U | 0.00201 | 0.000345 | mg/Kg | | 11/02/22 15:00 | 11/03/22 11:59 | 1 |
| Xylenes, Total | <0.00101 | U | 0.00402 | 0.00101 | mg/Kg | | 11/02/22 15:00 | 11/03/22 11:59 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 121 | | 70 - 130 | | | | 11/02/22 15:00 | 11/03/22 11:59 | |

Eurofins Midland

Matrix: Solid

Lab Sample ID: 880-21018-2

Matrix: Solid

Lab Sample ID: 880-21018-2

Lab Sample ID: 880-21018-3

Matrix: Solid

Client Sample Results

Client: Crain Environmental Job ID: 880-21018-1 Project/Site: Blinebry Sat #1 SDG: Lea Co. NM

Client Sample ID: B-8E (0-3.5')

Date Collected: 10/31/22 09:30 Date Received: 11/01/22 15:00

Sample Depth: 0-3.5'

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

| Surrogate | %Recovery Q | Qualifier Limits | Prepared | Analyzed | Dil Fac |
|----------------------------|-------------|------------------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 119 | 70 - 130 | 11/02/22 15:00 | 11/03/22 11:59 | 1 |

| Method: TAL S | OP Total BTEX - Tota | I BTEX Calculation |
|----------------|----------------------|---------------------|
| motiloa. IAE O | OI IOUI DIEN IOU | II BILA Guidalation |

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|---------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | 0.00119 | J | 0.00402 | 0.00101 | mg/Kg | | | 11/03/22 16:34 | 1 |

| Analyte | Result | Qualifier | RL | MDL | Unit | 0 |) | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|---|----------|----------------|---------|
| Total TPH | 48.2 | J | 49.8 | 14.9 | mg/Kg | | | | 11/04/22 11:23 | 1 |

| Method: SW846 8015B NM - Diesel Range Organics | (DRO) | (GC) | ١ |
|---|--------|-----------|---|
| motified. Offerto College Ithin Biodol Rungo Organico | (5.10) | , , , , , | , |

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|--------|-----------|--------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 29.5 | J B | 49.8 | 14.9 | mg/Kg | | 11/03/22 08:39 | 11/04/22 00:52 | 1 |
| Diesel Range Organics (Over C10-C28) | 18.7 | JB | 49.8 | 14.9 | mg/Kg | | 11/03/22 08:39 | 11/04/22 00:52 | 1 |
| Oll Range Organics (Over C28-C36) | <14.9 | U | 49.8 | 14.9 | mg/Kg | | 11/03/22 08:39 | 11/04/22 00:52 | 1 |
| 0 | 0/ 0 | O | 1 114- | | | | D | A I | D# 5 |

| Surrogate | %Recovery Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|---------------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 76 | 70 - 130 | 11/03/22 08:39 | 11/04/22 00:52 | 1 |
| o-Terphenyl | 86 | 70 - 130 | 11/03/22 08:39 | 11/04/22 00:52 | 1 |

Method: MCAWW 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|-------|---|----------|----------------|---------|
| Chloride | 97.7 | | 4.98 | 0.393 | mg/Kg | | | 11/05/22 21:00 | 1 |

Client Sample ID: B-8W (0-3.5')

Date Collected: 10/31/22 09:50 Date Received: 11/01/22 15:00

Sample Depth: 0-3.5'

| Method: SW846 | 0024D | 1/-1-4:1- | O | C | α |
|----------------|---------|-----------|---------|-----------|----------|
| i wemon: 50046 | OUZID - | voiatile | Organic | Compounds | 1136.1 |

| mothod. Offoro COLID Tolat | no Organio Comp | ounas (SS) | , | | | | | | |
|-----------------------------|-----------------|------------|----------|----------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | 0.00113 | J | 0.00200 | 0.000384 | mg/Kg | | 11/02/22 15:00 | 11/03/22 12:20 | 1 |
| Toluene | <0.000455 | U | 0.00200 | 0.000455 | mg/Kg | | 11/02/22 15:00 | 11/03/22 12:20 | 1 |
| Ethylbenzene | < 0.000564 | U | 0.00200 | 0.000564 | mg/Kg | | 11/02/22 15:00 | 11/03/22 12:20 | 1 |
| m-Xylene & p-Xylene | <0.00101 | U | 0.00399 | 0.00101 | mg/Kg | | 11/02/22 15:00 | 11/03/22 12:20 | 1 |
| o-Xylene | < 0.000343 | U | 0.00200 | 0.000343 | mg/Kg | | 11/02/22 15:00 | 11/03/22 12:20 | 1 |
| Xylenes, Total | <0.00101 | U | 0.00399 | 0.00101 | mg/Kg | | 11/02/22 15:00 | 11/03/22 12:20 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 120 | | 70 - 130 | | | | 11/02/22 15:00 | 11/03/22 12:20 | 1 |
| 1 / Diffuorobenzene (Surr) | 100 | | 70 120 | | | | 11/02/22 15:00 | 11/02/22 12:20 | 1 |

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|---|-----------------------------|-----|----------|----------------|----------------|---|
| | 1,4-Difluorobenzene (Surr) | 109 | 70 - 130 | 11/02/22 15:00 | 11/03/22 12:20 | 1 |
| | 4-Bromofluorobenzene (Surr) | 120 | 70 - 130 | 11/02/22 15:00 | 11/03/22 12:20 | 1 |

Method: TAL SOP Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|---------|-----------|---------|---------|-------|---|----------|----------------|---------|
| Total BTEX | 0.00113 | J | 0.00399 | 0.00101 | mg/Kg | | | 11/03/22 16:34 | 1 |

| Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC | Method: | : SW846 8015 N | M - Diesel R | ange Ord | ianics (| DRO) | (GC |
|---|---------|----------------|--------------|----------|----------|------|-----|
|---|---------|----------------|--------------|----------|----------|------|-----|

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|------|-------|---|----------|----------------|---------|
| Total TPH | 44.1 | J | 49.9 | 15.0 | mg/Kg | | | 11/04/22 11:23 | 1 |

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Matrix: Solid

Lab Sample ID: 880-21018-3

11/05/22 21:21

Client Sample Results

Client: Crain Environmental

Project/Site: Blinebry Sat #1

SDG: Lea Co. NM

Client Sample ID: B-8W (0-3.5')

Date Collected: 10/31/22 09:50 Date Received: 11/01/22 15:00

Sample Depth: 0-3.5'

Chloride

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|----------------|-------------|----------|------|-------|---|----------------|----------------|---------|
| Gasoline Range Organics (GRO)-C6-C10 | 23.4 | J B | 49.9 | 15.0 | mg/Kg | | 11/03/22 08:39 | 11/04/22 01:14 | 1 |
| Diesel Range Organics (Over C10-C28) | 20.7 | JB | 49.9 | 15.0 | mg/Kg | | 11/03/22 08:39 | 11/04/22 01:14 | 1 |
| Oll Range Organics (Over C28-C36) | <15.0 | U | 49.9 | 15.0 | mg/Kg | | 11/03/22 08:39 | 11/04/22 01:14 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 81 | | 70 - 130 | | | | 11/03/22 08:39 | 11/04/22 01:14 | 1 |
| o-Terphenyl | 93 | | 70 - 130 | | | | 11/03/22 08:39 | 11/04/22 01:14 | 1 |
| Method: MCAWW 300.0 - Anions | , Ion Chromato | graphy - So | oluble | | | | | | |
| Analyte | D14 | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |

4.98

43.9

0.393 mg/Kg

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Surrogate Summary

Client: Crain Environmental

Project/Site: Blinebry Sat #1

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) | |
| 880-20981-A-1-B MS | Matrix Spike | 91 | 93 | |
| 880-20981-A-1-C MSD | Matrix Spike Duplicate | 46 S1- | 71 | |
| 880-21018-1 | B-8 (3.5') | 110 | 106 | |
| 880-21018-2 | B-8E (0-3.5') | 121 | 119 | |
| 880-21018-3 | B-8W (0-3.5') | 120 | 109 | |
| LCS 880-38465/1-A | Lab Control Sample | 95 | 99 | |
| LCSD 880-38465/2-A | Lab Control Sample Dup | 98 | 94 | |
| MB 880-38465/5-A | Method Blank | 98 | 91 | |

DFBZ = 1,4-Difluorobenzene (Surr)

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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) | |
| 880-21018-1 | B-8 (3.5') | 77 | 83 | |
| 880-21018-1 MS | B-8 (3.5') | 80 | 82 | |
| 880-21018-1 MSD | B-8 (3.5') | 80 | 78 | |
| 880-21018-2 | B-8E (0-3.5') | 76 | 86 | |
| 880-21018-3 | B-8W (0-3.5') | 81 | 93 | |
| LCS 880-38587/2-A | Lab Control Sample | 82 | 96 | |
| LCSD 880-38587/3-A | Lab Control Sample Dup | 81 | 92 | |
| MB 880-38587/1-A | Method Blank | 88 | 105 | |

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: Crain Environmental Job ID: 880-21018-1 Project/Site: Blinebry Sat #1 SDG: Lea Co. NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-38465/5-A

Matrix: Solid Analysis Batch: 38581 Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 38465

| | MB | MB | | | | | | | |
|---------------------|------------|-----------|---------|----------|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | <0.000385 | U | 0.00200 | 0.000385 | mg/Kg | | 11/02/22 15:00 | 11/03/22 10:56 | |
| Toluene | <0.000456 | U | 0.00200 | 0.000456 | mg/Kg | | 11/02/22 15:00 | 11/03/22 10:56 | |
| Ethylbenzene | <0.000565 | U | 0.00200 | 0.000565 | mg/Kg | | 11/02/22 15:00 | 11/03/22 10:56 | |
| m-Xylene & p-Xylene | <0.00101 | U | 0.00400 | 0.00101 | mg/Kg | | 11/02/22 15:00 | 11/03/22 10:56 | |
| o-Xylene | < 0.000344 | U | 0.00200 | 0.000344 | mg/Kg | | 11/02/22 15:00 | 11/03/22 10:56 | |
| Xylenes, Total | < 0.00101 | U | 0.00400 | 0.00101 | mg/Kg | | 11/02/22 15:00 | 11/03/22 10:56 | |
| | | | | | | | | | |

MB MB

MD MD

| Surrogate | %Recovery (| Qualifier Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-------------|------------------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 98 | 70 - 130 | 11/02/22 15:00 | 11/03/22 10:56 | 1 |
| 1,4-Difluorobenzene (Surr) | 91 | 70 - 130 | 11/02/22 15:00 | 11/03/22 10:56 | 1 |

Lab Sample ID: LCS 880-38465/1-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 38581

Prep Type: Total/NA Prep Batch: 38465

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.07921 mg/Kg 79 70 - 130 Toluene 0.100 0.08140 mg/Kg 81 70 - 130 0.100 0.08324 83 Ethylbenzene mg/Kg 70 - 130 0.200 82 70 - 130 m-Xylene & p-Xylene 0.1632 mg/Kg 0.100 0.09295 93 70 - 130 o-Xylene mg/Kg

LCS LCS

| Surrogate | %Recovery Qualifier | Limits |
|-----------------------------|---------------------|----------|
| 4-Bromofluorobenzene (Surr) | 95 | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 99 | 70 - 130 |

Lab Sample ID: LCSD 880-38465/2-A

Matrix: Solid

Analysis Batch: 38581

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 38465

| | Spike | LCSD | LCSD | | | | %Rec | | RPD | |
|---------------------|-------|---------|-----------|-------|---|------|----------|-----|-------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit | |
| Benzene | 0.100 | 0.08528 | | mg/Kg | | 85 | 70 - 130 | 7 | 35 | |
| Toluene | 0.100 | 0.08804 | | mg/Kg | | 88 | 70 - 130 | 8 | 35 | |
| Ethylbenzene | 0.100 | 0.09032 | | mg/Kg | | 90 | 70 - 130 | 8 | 35 | |
| m-Xylene & p-Xylene | 0.200 | 0.1781 | | mg/Kg | | 89 | 70 - 130 | 9 | 35 | |
| o-Xylene | 0.100 | 0.1002 | | mg/Kg | | 100 | 70 - 130 | 8 | 35 | |

LCSD LCSD

| Surrogate | %Recovery Qu | alifier | Limits |
|-----------------------------|--------------|---------|----------|
| 4-Bromofluorobenzene (Surr) | 98 | | 70 - 130 |
| 1.4-Difluorobenzene (Surr) | 94 | | 70 - 130 |

Lab Sample ID: 880-20981-A-1-B MS

Matrix: Solid

Analysis Batch: 38581

Client Sample ID: Matrix Spike Prep Type: Total/NA

Prep Batch: 38465

| - | Sample | Sample | Spike | MS | MS | | | | %Rec | |
|---------|-----------|-----------|--------|---------|-----------|-------|---|------|----------|--|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Benzene | 0.000966 | J F2 F1 | 0.0990 | 0.07448 | | mg/Kg | | 74 | 70 - 130 | |
| Toluene | <0.000460 | U F1 | 0.0990 | 0.07129 | | mg/Kg | | 72 | 70 - 130 | |

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Page 9 of 20

Prep Batch: 38465

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70 - 130

70 - 130

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69

70 - 130

QC Sample Results

Client: Crain Environmental Job ID: 880-21018-1 Project/Site: Blinebry Sat #1 SDG: Lea Co. NM

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

Lab Sample ID: 880-20981-A-1-B MS Client Sample ID: Matrix Spike Prep Type: Total/NA

Matrix: Solid Analysis Batch: 38581

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Ethylbenzene <0.000570 U F2 F1 0.0990 0.06359 F1 64 70 - 130 mg/Kg m-Xylene & p-Xylene 0.00417 F2 F1 0.198 0.1265 F1 mg/Kg 62 70 - 130

0.06683 F1

0.06178 F2 F1

0.03257 F2 F1

0.0990

MS MS

<0.000347 U F2 F1

0.00417 F2 F1

71

| Surrogate | %Recovery Qua | alifier Limits |
|-----------------------------|---------------|----------------|
| 4-Bromofluorobenzene (Surr) | 91 | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 93 | 70 - 130 |

Lab Sample ID: 880-20981-A-1-C MSD Client Sample ID: Matrix Spike Duplicate Prep Type: Total/NA

Matrix: Solid

m-Xylene & p-Xylene

o-Xylene

Prep Batch: 38465 Analysis Batch: 38581 Sample Sample Spike MSD MSD RPD RPD Limit Analyte Result Qualifier babbA Result Qualifier %Rec Limits Unit Benzene 0.000966 JF2F1 0.0994 0.03522 F2 F1 mg/Kg 34 70 - 130 72 35 Toluene <0.000460 UF1 0.0994 0.05260 F1 mg/Kg 53 70 - 130 30 35 Ethylbenzene <0.000570 U F2 F1 0.0994 38 70 - 130 52 35 0.03748 F2 F1 mg/Kg

0.199

70 - 130

<0.000347 U F2 F1 0.0994 o-Xylene MSD MSD Surrogate Qualifier Limits %Recovery S1-70 - 130 4-Bromofluorobenzene (Surr) 46

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

Lab Sample ID: MB 880-38587/1-A

Matrix: Solid

Analysis Batch: 38572

1,4-Difluorobenzene (Surr)

Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 38587 MR MR

mg/Kg

mg/Kg

mg/Kg

| ı | | | | | | | | | | |
|---|-----------------------------------|--------|-----------|------|------|-------|---|----------------|----------------|---------|
| | Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| | Gasoline Range Organics | 19.32 | J | 50.0 | 15.0 | mg/Kg | | 11/03/22 08:39 | 11/03/22 22:42 | 1 |
| | (GRO)-C6-C10 | | | | | | | | | |
| | Diesel Range Organics (Over | 15.05 | J | 50.0 | 15.0 | mg/Kg | | 11/03/22 08:39 | 11/03/22 22:42 | 1 |
| | C10-C28) | | | | | | | | | |
| | OII Range Organics (Over C28-C36) | 15.30 | J | 50.0 | 15.0 | mg/Kg | | 11/03/22 08:39 | 11/03/22 22:42 | 1 |
| ı | | | | | | | | | | |

MB MB

| Surrogate | %Recovery | Qualifier | Limits | | Prepared | Analyzed | Dil Fac |
|----------------|-----------|-----------|----------|---|---------------|----------------|---------|
| 1-Chlorooctane | 88 | | 70 - 130 | 1 | 1/03/22 08:39 | 11/03/22 22:42 | 1 |
| o-Terphenyl | 105 | | 70 - 130 | 1 | 1/03/22 08:39 | 11/03/22 22:42 | 1 |

Lab Sample ID: LCS 880-38587/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

C10-C28)

| Analysis Batch: 38572 | | | | | | | Prep | Batch: 38587 |
|-----------------------------|-------|--------|-----------|-------|---|------|----------|--------------|
| | Spike | LCS | LCS | | | | %Rec | |
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Gasoline Range Organics | 1000 | 1017 | | mg/Kg | | 102 | 70 - 130 | |
| (GRO)-C6-C10 | | | | | | | | |
| Diesel Range Organics (Over | 1000 | 946.9 | | mg/Kg | | 95 | 70 - 130 | |

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Prep Type: Total/NA

Job ID: 880-21018-1

Client: Crain Environmental Project/Site: Blinebry Sat #1

SDG: Lea Co. NM

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

Lab Sample ID: LCS 880-38587/2-A

Matrix: Solid

Analysis Batch: 38572

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 38587

LCS LCS

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 82 70 - 130 o-Terphenyl 96 70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 38587

Lab Sample ID: LCSD 880-38587/3-A **Matrix: Solid** Analysis Batch: 38572

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits **RPD** Limit 1000 1113 111 70 - 1309 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 1149 mg/Kg 115 70 - 13019 20 C10-C28)

LCSD LCSD

Surrogate %Recovery Qualifier Limits 70 - 130 1-Chlorooctane 81 92 70 - 130 o-Terphenyl

Lab Sample ID: 880-21018-1 MS Client Sample ID: B-8 (3.5') **Matrix: Solid**

Analysis Batch: 38572

Prep Type: Total/NA

Prep Batch: 38587

Sample Sample MS MS Spike Added Analyte Result Qualifier Result Qualifier Unit D %Rec Limits Gasoline Range Organics 21.9 JF2B 997 1234 mg/Kg 122 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <15.0 U 997 975.4 mg/Kg 98 70 - 130 C10-C28)

MS MS %Recovery Qualifier Surrogate Limits 70 - 130 1-Chlorooctane 80 o-Terphenyl 82 70 - 130

Lab Sample ID: 880-21018-1 MSD Client Sample ID: B-8 (3.5')

Matrix: Solid

Analysis Batch: 38572

Prep Type: Total/NA

Prep Batch: 38587 RPD

Sample Sample MSD MSD %Rec Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits **RPD** Limit JF2B 999 867.6 F2 85 Gasoline Range Organics 21.9 mg/Kg 70 - 130 35 20 (GRO)-C6-C10 Diesel Range Organics (Over <15.0 U 999 954.1 mg/Kg 96 70 - 130 2 20 C10-C28)

MSD MSD

%Recovery Qualifier Surrogate Limits 1-Chlorooctane 80 70 - 130 78 70 - 130 o-Terphenyl

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QC Sample Results

Client: Crain Environmental Job ID: 880-21018-1 Project/Site: Blinebry Sat #1 SDG: Lea Co. NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-38521/1-A

Matrix: Solid

Analysis Batch: 38782

Client Sample ID: Method Blank **Prep Type: Soluble**

мв мв Dil Fac Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Chloride <0.395 U 5.00 0.395 mg/Kg 11/05/22 18:57

Lab Sample ID: LCS 880-38521/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 38782

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 260.8 mg/Kg 104 90 - 110

Lab Sample ID: LCSD 880-38521/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 38782

LCSD LCSD %Rec RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 263.3 105 90 - 110 mg/Kg

Lab Sample ID: 880-21018-2 MS Client Sample ID: B-8E (0-3.5') **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 38782

MS MS Sample Sample Spike %Rec Analyte Result Qualifier Added Qualifier Unit %Rec Result Limits Chloride 97.7 249 343.7 90 - 110 mg/Kg

Lab Sample ID: 880-21018-2 MSD Client Sample ID: B-8E (0-3.5')

Matrix: Solid

Analysis Batch: 38782

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 249 97.7 340.4 mg/Kg 97 90 - 110 20

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Prep Type: Soluble

QC Association Summary

Client: Crain Environmental
Project/Site: Blinebry Sat #1

SDG: Lea Co. NM

GC VOA

Prep Batch: 38465

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-21018-1 | B-8 (3.5') | Total/NA | Solid | 5035 | |
| 880-21018-2 | B-8E (0-3.5') | Total/NA | Solid | 5035 | |
| 880-21018-3 | B-8W (0-3.5') | Total/NA | Solid | 5035 | |
| MB 880-38465/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-38465/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-38465/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-20981-A-1-B MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 880-20981-A-1-C MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

Analysis Batch: 38581

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-21018-1 | B-8 (3.5') | Total/NA | Solid | 8021B | 38465 |
| 880-21018-2 | B-8E (0-3.5') | Total/NA | Solid | 8021B | 38465 |
| 880-21018-3 | B-8W (0-3.5') | Total/NA | Solid | 8021B | 38465 |
| MB 880-38465/5-A | Method Blank | Total/NA | Solid | 8021B | 38465 |
| LCS 880-38465/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 38465 |
| LCSD 880-38465/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 38465 |
| 880-20981-A-1-B MS | Matrix Spike | Total/NA | Solid | 8021B | 38465 |
| 880-20981-A-1-C MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 38465 |

Analysis Batch: 38668

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-21018-1 | B-8 (3.5') | Total/NA | Solid | Total BTEX | |
| 880-21018-2 | B-8E (0-3.5') | Total/NA | Solid | Total BTEX | |
| 880-21018-3 | B-8W (0-3.5') | Total/NA | Solid | Total BTEX | |

GC Semi VOA

Analysis Batch: 38572

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-21018-1 | B-8 (3.5') | Total/NA | Solid | 8015B NM | 38587 |
| 880-21018-2 | B-8E (0-3.5') | Total/NA | Solid | 8015B NM | 38587 |
| 880-21018-3 | B-8W (0-3.5') | Total/NA | Solid | 8015B NM | 38587 |
| MB 880-38587/1-A | Method Blank | Total/NA | Solid | 8015B NM | 38587 |
| LCS 880-38587/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 38587 |
| LCSD 880-38587/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 38587 |
| 880-21018-1 MS | B-8 (3.5') | Total/NA | Solid | 8015B NM | 38587 |
| 880-21018-1 MSD | B-8 (3.5') | Total/NA | Solid | 8015B NM | 38587 |

Prep Batch: 38587

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 880-21018-1 | B-8 (3.5') | Total/NA | Solid | 8015NM Prep | |
| 880-21018-2 | B-8E (0-3.5') | Total/NA | Solid | 8015NM Prep | |
| 880-21018-3 | B-8W (0-3.5') | Total/NA | Solid | 8015NM Prep | |
| MB 880-38587/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-38587/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-38587/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 880-21018-1 MS | B-8 (3.5') | Total/NA | Solid | 8015NM Prep | |
| 880-21018-1 MSD | B-8 (3.5') | Total/NA | Solid | 8015NM Prep | |

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QC Association Summary

Client: Crain Environmental Job ID: 880-21018-1
Project/Site: Blinebry Sat #1 SDG: Lea Co. NM

GC Semi VOA

Analysis Batch: 38731

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-21018-1 | B-8 (3.5') | Total/NA | Solid | 8015 NM | |
| 880-21018-2 | B-8E (0-3.5') | Total/NA | Solid | 8015 NM | |
| 880-21018-3 | B-8W (0-3.5') | Total/NA | Solid | 8015 NM | |

HPLC/IC

Leach Batch: 38521

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-21018-1 | B-8 (3.5') | Soluble | Solid | DI Leach | |
| 880-21018-2 | B-8E (0-3.5') | Soluble | Solid | DI Leach | |
| 880-21018-3 | B-8W (0-3.5') | Soluble | Solid | DI Leach | |
| MB 880-38521/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-38521/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-38521/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 880-21018-2 MS | B-8E (0-3.5') | Soluble | Solid | DI Leach | |
| 880-21018-2 MSD | B-8E (0-3.5') | Soluble | Solid | DI Leach | |

Analysis Batch: 38782

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-21018-1 | B-8 (3.5') | Soluble | Solid | 300.0 | 38521 |
| 880-21018-2 | B-8E (0-3.5') | Soluble | Solid | 300.0 | 38521 |
| 880-21018-3 | B-8W (0-3.5') | Soluble | Solid | 300.0 | 38521 |
| MB 880-38521/1-A | Method Blank | Soluble | Solid | 300.0 | 38521 |
| LCS 880-38521/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 38521 |
| LCSD 880-38521/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 38521 |
| 880-21018-2 MS | B-8E (0-3.5') | Soluble | Solid | 300.0 | 38521 |
| 880-21018-2 MSD | B-8E (0-3.5') | Soluble | Solid | 300.0 | 38521 |

Eurofins Midland

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Client: Crain Environmental Project/Site: Blinebry Sat #1

Lab Sample ID: 880-21018-1

Client Sample ID: B-8 (3.5') Date Collected: 10/31/22 09:15

Matrix: Solid

Date Received: 11/01/22 15:00

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 38465 | 11/02/22 15:00 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 38581 | 11/03/22 11:38 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 38668 | 11/03/22 16:34 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 38731 | 11/04/22 11:23 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.01 g | 10 mL | 38587 | 11/03/22 08:39 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 38572 | 11/03/22 23:47 | SM | EET MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 38521 | 11/02/22 14:40 | СН | EET MIC |
| Soluble | Analysis | 300.0 | | 1 | 50 mL | 50 mL | 38782 | 11/05/22 20:53 | CH | EET MID |

Client Sample ID: B-8E (0-3.5')

Lab Sample ID: 880-21018-2

Matrix: Solid

Date Collected: 10/31/22 09:30 Date Received: 11/01/22 15:00

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 5035 Total/NA 4.98 g 5 mL 38465 11/02/22 15:00 MNR EET MID Total/NA 8021B 5 mL 11/03/22 11:59 **EET MID** Analysis 1 5 mL 38581 MNR Total/NA Total BTEX 38668 11/03/22 16:34 Analysis 1 SM **EET MID** Total/NA Analysis 8015 NM 38731 11/04/22 11:23 SM **EET MID** Total/NA 38587 Prep 8015NM Prep 10.04 g 10 mL 11/03/22 08:39 DM **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 38572 11/04/22 00:52 SM **EET MID** Soluble Leach 11/02/22 14:40 DI Leach 5.02 g 50 mL 38521 CH EET MID Soluble Analysis 300.0 50 mL 50 mL 38782 11/05/22 21:00 СН **EET MID**

Client Sample ID: B-8W (0-3.5')

Lab Sample ID: 880-21018-3

CH

СН

11/02/22 14:40

11/05/22 21:21

Date Collected: 10/31/22 09:50 Date Received: 11/01/22 15:00

Matrix: Solid

EET MID

EET MID

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|-------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 38465 | 11/02/22 15:00 | MNR | EET MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 38581 | 11/03/22 12:20 | MNR | EET MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 38668 | 11/03/22 16:34 | SM | EET MID |
| Total/NA | Analysis | 8015 NM | | 1 | | | 38731 | 11/04/22 11:23 | SM | EET MID |
| Total/NA | Prep | 8015NM Prep | | | 10.02 g | 10 mL | 38587 | 11/03/22 08:39 | DM | EET MID |
| Total/NA | Analysis | 8015B NM | | 1 | 1 uL | 1 uL | 38572 | 11/04/22 01:14 | SM | EET MID |

5.02 g

50 mL

50 mL

50 mL

38521

38782

Laboratory References:

Soluble

Soluble

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

DI Leach

300.0

Eurofins Midland

Leach

Analysis

Accreditation/Certification Summary

Client: Crain Environmental Job ID: 880-21018-1
Project/Site: Blinebry Sat #1 SDG: Lea Co. NM

Laboratory: Eurofins Midland

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

| Authority | | ogram | Identification Number | Expiration Date |
|------------------------|--------------------------------|-----------------------------------|---|-----------------------------|
| Texas | NE | ELAP | T104704400-22-24 | 06-30-23 |
| The following analytes | are included in this report hi | it the laboratory is not certific | ed by the governing authority. This list ma | v include analytes for y |
| the agency does not of | ' ' | it the laboratory is not certify | ed by the governing additionty. This list the | ay illolude allalytes for v |
| 0 , | ' ' | Matrix | Analyte | ay include analytes for v |
| the agency does not of | fer certification. | • | , , , | ay include analytes for v |

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Method Summary

Client: Crain Environmental Project/Site: Blinebry Sat #1 Job ID: 880-21018-1

SDG: Lea Co. NM

| Method | Method Description | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B | Volatile Organic Compounds (GC) | SW846 | EET MID |
| Total BTEX | Total BTEX Calculation | TAL SOP | EET MID |
| 8015 NM | Diesel Range Organics (DRO) (GC) | SW846 | EET MID |
| 8015B NM | Diesel Range Organics (DRO) (GC) | SW846 | EET MID |
| 300.0 | Anions, Ion Chromatography | 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

Eurofins Midland

Sample Summary

Client: Crain Environmental Project/Site: Blinebry Sat #1 Job ID: 880-21018-1

SDG: Lea Co. NM

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | |
|---------------|------------------|--------|----------------|----------------|-------|
| 880-21018-1 | B-8 (3.5') | Solid | 10/31/22 09:15 | 11/01/22 15:00 | 3. |
| 880-21018-2 | B-8E (0-3.5') | Solid | 10/31/22 09:30 | 11/01/22 15:00 | 0-3 |
| 880-21018-3 | B-8W (0-3.5') | Solid | 10/31/22 09:50 | 11/01/22 15:00 | 0-3.5 |

Project Manager

Company Name:

29,25 Wessa

1879 X

City, State ZIP-

Midland. P.O. Box

K 53570 Sylconmestal

Company Name: Bill to: (if different)

City, State ZIP

Xenco

Environment Testing

13

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296

Hobbs, NM (575) 392-7550 Carlsbad, NM (575) 988-3199

| | | 11 | | | | | 11 1 |
|--|--------|------------|---------------------|--------|----------|----------------------|----------|
| | Other: | ADaPT 🗍 🕠 | ADal | EDD] | | Deliverables. | |
| Reporting Level II Level III PST/UST TRRP Level IV | TRRP | ST/UST 🗌 | | Leve | Level II | Reporting | |
| | | | | 7 | oject: , | State of Project: NM | |
| Program. UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐ | RRC 🗌 | wnfields 🗌 | P☐ Bro | I PR | UST/PS | Program. | |
| | | omments | Work Order Comments | Work | | | |
| f / | / 0 | Page / | www.xenco.com | www.xe | | | |

| hnegotiated. Received by: (Signature) Date/Time | 30 4 | 100 | | | | | |
|--|--|---|--|---|---|--|--|
| Received by (Signature) | | | - | | | | 0) |
| Received by (Signature) | 27 2 | | 1 | 8 | | | way save |
| ontrol h megatiated. | Relinquished by (Signature) | Date/Time | | Received by: (Signature) | Received b | lature) | Relipquished by (Signature) |
| ditions | www.c. sylvature or uns occument and remiquatment or samples constructs a value purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously megotiated: | expenses incurred by the systems of | r from client company to sibility for any losses or o xreach sample submitte | alia purchase ordel assume any respon nd a charge of \$5 fo | ples constitutes a v ples and shall not to each project a | ble only for the cost of same tension to the cost of same tension tens | ervice. Eurofins Xenco will be la eurofins Xenco will be la eurofins Xenco will be la eurofins Xenco. A minimum charge |
| Mn Mo Ni K Se Ag SiO ₂ Na Sr II Sn U V Zn 8 Ag Tl U Hg 1631/2451/7470/7471 | 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U | CRA Sb As Ba Be (| LP 6010 8RCR | TCLP / SPLP 6010 | alyzed | Metal(s) to be an | Circle Method(s) and Metal(s) to be analyzed |
| 4- N. V.C. A. C.O. N. C. H.C. G.V.J. | Cd C2 C2 C2 C3 Db M2 | Sh As Ba Ba | Tayse 11 | SBCBA 13DDM | 18 | 200.8 / 6020: | Total 200.7 / 6010 |
| | | | | | | | |
| 880-21018 Chain of Customy | | | | | | *************************************** | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | X | 0.3.5. C | | 10/31/22 0950 | 5.50 | B-8W (0-3 |
| | | X | 0.3.5° C | 0930 | 10/31/22 | 3.51) 5 | (0. |
| 700 | | XX | 3.5' C | | 10/31/22 | S | B-8 (3.5) |
| Sample Comments | CH | Cont * of 77 | Depth Grab/ Comp C | Time Sampled | Date Sampled | ×. | Sample Identification |
| NaOH+Ascorbic Acid SAPC | 10 | PH TE | 7.7 | emperature: | Corrected Temperature | | Total Containers. |
| Zn Acetate+NaOH Zn | ick | | O,S | Reading | Temperature Reading | Yes No N/A | Sample Custody Seals. |
| Na ₂ S ₂ O ₃ NaSO ₃ | ~S | Pa 201: | 1.08 | actor | Correction Factor | Yes No (I/A) | Cooler Custody Seals: |
| NaHSO 4 NABIS | | | 上る | ġ. | Thermometer ID: | (res No | Samples Received Intact: |
| - | | H M | (Yes) No | Wet Ice | Yes No | Temp Blank: | SAMPLE RECEIPT |
| 2 | | • | ved by 4:30pm | the lab, if received by 4:30pm | \ | , | PO# |
| | | | lay received by | TAT starts the day received by | | indy Cain | Sampler's Name: |
| | | | | Due Date | | ea G. NM | Project Location. |
| None NO DI Water H ₂ O | | Pres. | Rush | X Routine | | , | Project Number: |
| Preservative Codes | ANALYSIS REQUEST | | round | Turn Around | #/ | Blinebry Sat # | Project Name 3 |
| בייי ניסיבי. בסקב מימון בו כמוכו | | Coop, Ciario di ani | Ciony, C | Finding | 37) | | |

Work Order No: 21018

Login Sample Receipt Checklist

Client: Crain Environmental Job Number: 880-21018-1 SDG Number: Lea Co. NM

Login Number: 21018 **List Source: Eurofins Midland**

List Number: 1

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 C: Final Form 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 | |
|----------------|--|
| District RP | |
| Facility ID | |
| Application ID | |

Release Notification

Responsible Party

| Responsible | Party: Chev | ron USA, Inc. | | | OGRID: 4323 | |
|---------------------------------|--------------|---------------------------------|------------------|----------|--|----------|
| Contact Name: Josepha DeLeon | | Contact Telephone: 432-425-1528 | | | | |
| Contact email: jdxd@chevron.com | | Incident # (assigned by OCD) | | | | |
| Contact mail 88240 | ing address: | 1616 E. Bender F | Blvd., Hobbs, NM | | | |
| | | | Location | of R | elease Source | |
| | | | | | | |
| | | La | titude 32.360 | | Longitude -103.086 | <u>5</u> |
| | | <u>La</u> | | cimal de | Longitude -103.086 grees to 5 decimal places) | <u>5</u> |
| Site Name: B | Blinebry Sat | | | cimal de | | <u>5</u> |
| Site Name: E | | #1 | | rimal de | grees to 5 decimal places) | 5 |
| | | #1 | | cimal de | grees to 5 decimal places) Site Type: Battery | 5 |
| | | #1 | | cimal de | grees to 5 decimal places) Site Type: Battery | 5 |

Nature and Volume of Release

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

Volume Released (bbls): 4.78 BO

Volume Recovered (bbls): 2 BO

| Volume Released (bbls): 79.8 BW | Volume Recovered (bbls): 10.99 BW |
|--|---|
| Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | ☐ Yes ☐ No |
| Volume Released (bbls) | Volume Recovered (bbls) |
| Volume Released (Mcf) | Volume Recovered (Mcf) |
| Volume/Weight Released (provide units): | Volume/Weight Recovered (provide units) |
| | |
| xternal corrosion resulting in spill. Well isolated, vacu | um truck to pick up water and haul to disposal. |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? Volume Released (bbls) Volume/Weight Released (provide units): |

Crude Oil

Surface Owner: State Federal Tribal Private (Name: _

Form C-141 Page 2

State of New Mexico Oil Conservation Division

| Incident ID | |
|----------------|--|
| District RP | |
| Facility ID | |
| Application ID | |

| Was this a major release as defined by | If YES, for what reason(s) does the responsible party consider this a major release? Greater than 25 bbls | |
|--|--|--|
| 19.15.29.7(A) NMAC? | | |
| ⊠ Yes □ No | | |
| | | |
| | e notice given to the OCD? By whom? To whom? When and by what means (phone, ep. Jim Griswold (NMOCD) and Jim Amos (BLM), voicemail and email 11/22/2019 as ls. | |
| | Initial Response | |
| The responsible | ole party must undertake the following actions immediately unless they could create a safety hazard that woul | d result in injury |
| The source of the rele | elease has been stopped. | |
| ☐ The impacted area ha | has been secured to protect human health and the environment. | |
| Released materials ha | have been contained via the use of berms or dikes, absorbent pads, or other containmer | nt devices. |
| All free liquids and re | recoverable materials have been removed and managed appropriately. | |
| If all the actions describe | bed above have not been undertaken, explain why: | |
| | | |
| | | |
| | | |
| | | |
| | | |
| has begun, please attach | MAC the responsible party may commence remediation immediately after discovery of a narrative of actions to date. If remedial efforts have been successfully completed then area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for classical efforts. | or if the release occurred |
| regulations all operators are public health or the environ failed to adequately investig | aformation given above is true and complete to the best of my knowledge and understand that pur- ure required to report and/or file certain release notifications and perform corrective actions for re- part. The acceptance of a C-141 report by the OCD does not relieve the operator of liability si- tigate and remediate contamination that pose a threat to groundwater, surface water, human healt the of a C-141 report does not relieve the operator of responsibility for compliance with any other for | leases which may endanger hould their operations have h or the environment. In |
| Gal | le Lem Date: November 28, 2019 | |
| Signature: | Date: November 28, 2019 | |
| Printed Name: Josepha l | a DeLeon Title: Environmental Compliance Spe | ecialist |
| email: jdxd@chevron.cor | Telephone: 432-425-1528 | |
| OCD Only | | |
| | ~ . | |
| Keceived by: | Date: | |

Received by OCD: 12/1/2022 3:27:45 PM
State of New Mexico
Page 3
Oil Conservation Division

NCE2026733719

Incident ID

District RP

Facility ID

Application ID

Site Assessment/Characterization

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

| What is the shallowest depth to groundwater beneath the area affected by the release? | >104.5 (ft bgs) |
|---|-----------------------|
| Did this release impact groundwater or surface water? | Yes X No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | Yes X No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | Yes X No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | Yes X No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | Yes X No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | Yes X No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | Yes X No |
| Are the lateral extents of the release within 300 feet of a wetland? | Yes X No |
| Are the lateral extents of the release overlying a subsurface mine? | Yes X No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | Yes X No |
| Are the lateral extents of the release within a 100-year floodplain? | Yes X No |
| Did the release impact areas not on an exploration, development, production, or storage site? | Yes X No |
| Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver | tical extents of soil |

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.

<u>Characterization Report Checklist</u>: Each of the following items must be included in the report.

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

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

Received by OCD: 12/1/2022 3:27:45 PM
State of New Mexico
Page 4
Oil Conservation Division

NCE2026733719
Page 59 of 63
Incident ID
District RP
Facility ID
Application ID

| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. | | | |
|--|-----------------------------------|--|--|
| Printed Name: Amy Barnhill | Title: Waste and Water Specialist | | |
| Signature: | Date: 3/19/2020 | | |
| email: ABarnhill@chevron.com | Telephone: 432-687-7108 | | |
| | | | |
| OCD Only | | | |
| Received by: Cristina Eads | Date: 01/19/2021 | | |
| | | | |

Papage/6006f/63

| Incident ID | nCE2026733719 |
|----------------|---------------|
| District RP | |
| Facility ID | |
| Application ID | |

Remediation Plan

| Remediation Plan Checklist: Each of the following items must be included in the plan | an. |
|--|---|
| ☑ 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 9 | 0 days OCD approval is required) |
| <u>Deferral Requests Only</u> : Each of the following items must be confirmed as part of a | ny request for deferral of remediation. |
| $\overline{\mathbf{X}}$ Contamination must be in areas immediately under or around production equipment deconstruction. | t where remediation could cause a major facility |
| X Extents of contamination must be fully delineated. | |
| X 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 rules and regulations all operators are required to report and/or file certain release notifi which may endanger public health or the environment. The acceptance of a C-141 repoliability should their operations have failed to adequately investigate and remediate consurface water, human health or the environment. In addition, OCD acceptance of a C-1 responsibility for compliance with any other federal, state, or local laws and/or regulation | cations and perform corrective actions for releases rt by the OCD does not relieve the operator of tamination that pose a threat to groundwater, 41 report does not relieve the operator of |
| Printed Name: Cynthia K. Crain Title: Agent | for Southwest Royalties, Inc. |
| Printed Name: Cynthia K. Crain Title: Agent Signature: Date: 6/1/22 | |
| email:cindy.crain@gmail.com Telephone:(| 575) 441-7244 |
| OCD Only | |
| Received by: Date: | |
| ☐ Approved ☐ Approved with Attached Conditions of Approval ☐ | Denied Deferral Approved |
| Signature: Quantiler Nobiu Date: 06/02/20. | 22 |

Received by OCD: 12/1/2022 3:27:45 PM State of New Mexico Page 6 Oil Conservation Division

P@Page/6106f/63

| | 5 6 7 7 |
|----------------|---------------|
| Incident ID | nCE2026733719 |
| 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 inc | luded in the closure report. | | |
|---|---|--|--|--|
| X A scaled site and sampling diagram as described in 19.15.29.11 NMAC | | | | |
| X Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection) | s of the liner integ | rity if applicable (Note: appropriate OCD District office | | |
| X Laboratory analyses of final sampling (Note: appropriate OD | C District office n | nust be notified 2 days prior to final sampling) | | |
| X Description of remediation activities | | | | |
| | | | | |
| I hereby certify that the information given above is true and compland regulations all operators are required to report and/or file certa may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rehuman health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regulatestore, reclaim, and re-vegetate the impacted surface area to the coaccordance with 19.15.29.13 NMAC including notification to the Coaccordance with Including Name: Cynthia K. Crain Signature: Cynthia K. Crain | in release notificate f a C-141 report by the mediate contamine f a C-141 report do lations. The responditions that exist OCD when reclam | tions and perform corrective actions for releases which y the OCD does not relieve the operator of liability ation that pose a threat to groundwater, surface water, sees not relieve the operator of responsibility for insible party acknowledges they must substantially ted prior to the release or their final land use in ation and re-vegetation are complete. for Southwest Royalties, Inc. | | |
| email:cindy.crain@gmail.com | Telephone: | (575) 441-7244 | | |
| ogn o I | | | | |
| OCD Only | | | | |
| Received by: | _ Date: | | | |
| Closure approval by the OCD does not relieve the responsible party remediate contamination that poses a threat to groundwater, surface party of compliance with any other federal, state, or local laws and | water, human hea | | | |
| Closure Approved by: | Date: | 01/05/2023 | | |
| Printed Name: Jennifer Nobui | Title: | Environmental Specialist A | | |

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

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

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

CONDITIONS

Action 107769

CONDITIONS

| Operator: | OGRID: |
|-------------------------|---|
| SOUTHWEST ROYALTIES INC | 21355 |
| P O BOX 53570 | Action Number: |
| Midland, TX 79710 | 107769 |
| | Action Type: |
| | [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition | Condition Date |
|---------------|---|-------------------|
| jnobui | Remediation Plan Approved with Conditions. OCD approves backfilling excavations and approves request for a variance for a liner. OCD also approves Deferral Request to address impact in service road after excavations have been backfilled. OCD requests the deferral be in place for 90 days to address impacts in service road from date of backfill. | 6/2/2022 |

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

CONDITIONS

Action 163123

CONDITIONS

| Operator: | OGRID: |
|-------------------------|---|
| SOUTHWEST ROYALTIES INC | 21355 |
| P O BOX 53570 | Action Number: |
| Midland, TX 79710 | 163123 |
| | Action Type: |
| | [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | | Condition Date |
|---------------|-------------------|-------------------|
| jnobui | Closure Approved. | 1/5/2023 |