

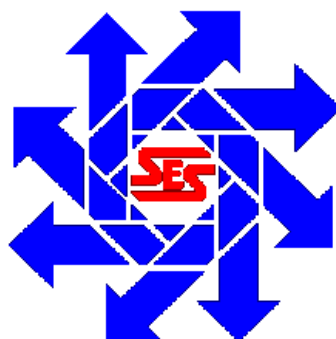
**Frontier Field Services,
AKA Durango Midstream
Caviness 8" PPL**

Closure Report

**UL O, Section 13, T18S, R32E
Lea County, New Mexico**

NAPP2101836808

May 25, 2021



Prepared for:

**Durango Midstream
4200 E. Skelly Dr
Tulsa, OK**

By:

**Safety & Environmental Solutions, Inc.
703 East Clinton
Hobbs, New Mexico 88240
(575) 397-0510**

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Caviness 8" PPL
May 25, 2021

Durango Midstream
Lea County, New Mexico

I. Company Contacts

| Representative | Company | Telephone | E-mail |
|-----------------|-------------------|--------------|--|
| Harley Everhart | Durango Midstream | 575-513-4922 | heverhart@durangomidstream.com |
| Bob Allen | SESI | 575-397-0510 | ballen@sesi-nm.com |

II. Background

Safety and Environmental Solutions, Inc., hereinafter referred to as (SESI) was engaged by Durango Midstream to assess a spill area on the Caviness 8" Pipeline ROW. This site is situated in Unit Letter O, Section 13, Township 18S and Range 32E, in Lea county New Mexico.

According to the C-141: the cause of release was due to a hole developed in the pipeline and allowed the fluid to be released..

II. Surface and Ground Water

According to research of the website for the New Mexico Office of the State Engineer records; there is no record of groundwater in the immediate vicinity of the site location. However, the records indicated an average depth to water of over 140' bgs. for Township 18S and Range 32E.

IV. Characterization

The site has been remediated according to the NMOCD NMAC 19.15.29 published guidelines (July 24, 2018). The site ranking and soil screening levels as presented in the table below:

| Table 1 Closure Criteria for Soils Impacted by a Release | | | |
|---|-------------------|----------------------------------|--------------|
| Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l | Constituent | Method* | Limit** |
| TDS | | | |
| <50 feet | Chloride*** | EPA 300.0 or SM4500 Cl B | 600 mg/kg |
| | TPH (GRO+DRO+MRO) | EPA SW-846 Method 8015B | 100 mg/kg |
| | BTEX | EPA SW-846 Method 8021B or 8260B | 50 mg/kg |
| | Benzene | EPA SW-846 Method 8021B or 8260B | 10 mg/kg |
| 51 feet-100 feet | Chloride*** | EPA 300.0 or SM4500 Cl B | 10,000 mg/kg |
| | TPH (GRO+DRO+MRO) | EPA SW-846 Method 8015B | 2,500 mg/kg |
| | BTEX | EPA SW-846 Method 8021B or 8260B | 50 mg/kg |
| | Benzene | EPA SW-846 Method 8021B or 8260B | 10 mg/kg |
| >100 feet | Chloride*** | EPA 300.0 or SM4500 Cl B | 20,000 mg/kg |
| | TPH (GRO+DRO+MRO) | EPA SW-846 Method 8015B | 2,500 mg/kg |
| | BTEX | EPA SW-846 Method 8021B or 8260B | 50 mg/kg |
| | Benzene | EPA SW-846 Method 8021B or 8260B | 10 mg/kg |

Caviness 8" PPL
May 25, 2021

Durango Midstream
Lea County, New Mexico

V. Work Performed

On January 7th, 2021, SESI personnel, together with personnel from Durango Midstream were on site to evaluate and delineate the release site. The area around the release site was designated and flagged in order to delineate the spill area vertically, and horizontally. After the Arch Survey was completed, without findings, the area was sampled. All confirmation samples were grabbed on walls and bottom hole excavation and field tested for Total Petroleum Hydrocarbons, BTEX, and Chlorides. The samples were properly packaged, preserved, and transported to Hall Laboratories for analyses of Chloride (CL Method 300.0 Anions), Total Petroleum Hydrocarbons (TPH Method 8015), and Benzene, Toluene, Ethylbenzene, and Xylene (BTEX Method 8021B). The table below is a recap of the results from the Hall Laboratory Analyses (Appendix C)

| Durango Midstream Caviness 8" PPL Soil Sample Results: Hall Environmental Analysis Laboratory 03/31/2021 | | | | | | | | | |
|--|---------|---------|-------------------|------------------|---------------|-----------|------------|------------|------------|
| SAMPLE ID | Benzene | Toluene | Ethyl- benzene | Total Xylenes | Total BTEX | Chlorides | TPH GRO | TPH DRO | TPH MRO |
| Area #1 E Wall | ND | ND | ND | ND | ND | ND | ND | 12 | ND |
| Area #1 N Wall | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Area #1 S Wall | ND | ND | ND | ND | ND | ND | ND | 110 | ND |
| Area #1 Bottom | ND | ND | ND | ND | ND | ND | ND | 22 | ND |
| | | | | | | | | | |
| Area #2 N Wall | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Area #2 S Wall | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Area #2 Bottom | ND | ND | ND | ND | ND | ND | ND | 26 | ND |
| | | | | | | | | | |
| Area #3 N Wall | ND | ND | ND | ND | ND | ND | ND | 25 | ND |
| Area #3 W Wall | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Area #3 S Wall | ND | ND | ND | ND | ND | ND | ND | ND | ND |
| Area #3 Bottom | ND | ND | ND | ND | ND | ND | ND | ND | ND |

After receiving the confirmation samples on April 12th of 2021: based on the above soil analyses, and depth to groundwater, SESI personnel together with excavation equipment and personnel from Durango Midstream returned to the site to commence soil remediation activities. Impacted soils were transported to an NMOCD approved facility for disposal.

The impacted area was excavated to depths where soil screening levels for chloride were <600 ppm in pasture areas, TPH screening levels of >2,500 ppm, and BTEX levels of <50 ppm. All impacted soil was transported to an NMOCD approved disposal facility. The affected area on the pipeline ROW was backfilled with native soil.

Caviness 8" PPL
May 25, 2021

Durango Midstream
Lea County, New Mexico

VI. Conclusions

The spill area was excavated and remediated to the NMOCD approved work plan protocol. All impacted soil was transported to an NMOCD approved facility for disposal. Local soil was transported in for backfill material of the excavated area. The pasture area was restored with native topsoil.

SESI, on behalf of Durango Midstream, respectfully submits this closure report for your consideration and conclusion of the associated remediation permit.

VII. Figures & Appendices

Figure 1 – Site Map
Appendix A – Site Photographs
Appendix B – C-141
Appendix C – Analytical

Caviness 8" PPL
May25, 2021

Durango Midstream
Lea County, New Mexico


Figure 1

Site Map

Durango Midstream

Caviness 8" PPL
DUR-21-001
O-13-T18S-R32E

Legend

 Spill Area

32E

Google Earth



300 ft

Caviness 8" PPL
May 25, 2021

Durango Midstream
Lea County, New Mexico

Appendix A

Site Photographs

1/7/2021 9:35 AM
N 32.7426°, W 103.7179°
NM



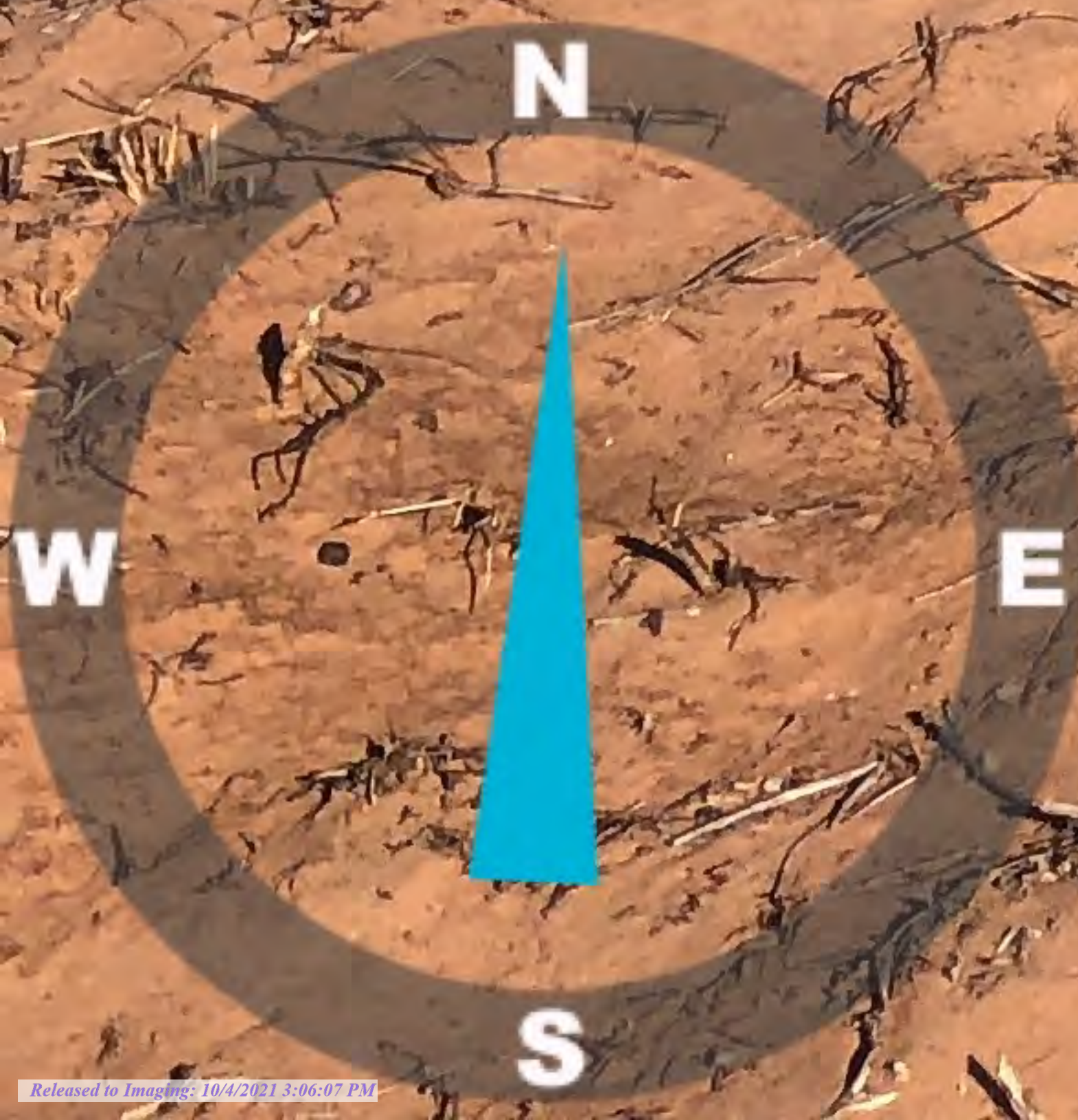
1/7/2021 9:36 AM
N 32.7427°, W 103.7181°
NM



1/7/2021 9:36 AM
N 32.7426°, W 103.7182°
NM



1/7/2021 9:37 AM
N 32.7425°, W 103.7181°
NM



1/7/2021 9:46 AM
N 32.7417°, W 103.7174°
NM

COC OPERATING LLC
CORBIN "T3-A" FEDERAL #3
1980' FEL "G" 660' FSL
SECTION 13, T18S, R32E
NM-94197
LEA COUNTY, NEW MEXICO







Network:Aug 3, 2021 at 12:39:35 PM MDT

Local:Aug 3, 2021 at 12:39:35 PM MDT

N 32° 44' 33.370", W 103° 43' 6.114"

Hobbs NM 88240

United States



Network:Aug 3, 2021 at 12:35:57 PM MDT
Local:Aug 3, 2021 at 12:35:57 PM MDT
N 32° 44' 32.402", W 103° 43' 4.944"
Hobbs NM 88240
United States



Network:Aug 3, 2021 at 12:38:27 PM MDT

Local:Aug 3, 2021 at 12:38:27 PM MDT

N 32° 44' 33.761", W 103° 43' 4.457"

Hobbs NM 88240

United States



Network:Aug 3, 2021 at 12:37:19 PM MDT

Local:Aug 3, 2021 at 12:37:19 PM MDT

N 32° 44' 33.166", W 103° 43' 4.082"

Hobbs NM 88240

United States





Caviness 8" PPL
May 25, 2021

Durango Midstream
Lea County, New Mexico

Appendix B

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 | NAPP2101836808 |
| District RP | |
| Facility ID | |
| Application ID | |

Release Notification

Responsible Party

| | | | |
|-------------------------|---|------------------------------|----------------|
| Responsible Party | Frontier Field Services | OGRID | 221115 |
| Contact Name | HARLEY EVERHART | Contact Telephone | 575-513-4922 |
| Contact email | HEVERHART@DURANGOMIDSTREAM.COM | Incident # (assigned by OCD) | NAPP2101836808 |
| Contact mailing address | 4200 EAST SKELLY DRIVE; TULSA, OK 74135 | | |

Location of Release Source

Latitude N 32.742557 Longitude W -103.718072
(NAD 83 in decimal degrees to 5 decimal places)

| | | | |
|-------------------------|---------------------|----------------------|--------------|
| Site Name | CAVINESS 8 INCH PPL | Site Type | PIPELINE ROW |
| Date Release Discovered | 01/07/2021 | API# (if applicable) | N/A |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|----------------|
| O | 13 | 18S | 32E | LEA COUNTY, NM |

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

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

| | | |
|--|--|---|
| <input checked="" type="checkbox"/> Crude Oil | Volume Released (bbls) 65 BBLS | Volume Recovered (bbls) 45 BBLS |
| <input checked="" type="checkbox"/> Produced Water | Volume Released (bbls) 20 BBLS | Volume Recovered (bbls) 10 BBLS |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| <input type="checkbox"/> Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| <input type="checkbox"/> Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |

Cause of Release

A HOLE IN AN 8 INCH PIPELINE CAUSE THE OIL AND PRODUCED WATER SPILL

| | |
|----------------|----------------|
| Incident ID | NAPP2101836808 |
| District RP | |
| Facility ID | |
| Application ID | |

| | |
|--|--|
| Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release? THE SPILL HAS A VOLUME GREATER THAN 25 BBLS |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? YES, BY HARLEY EVERHART OF FRONTIER FIELD SERVICES TO KERRY FULTNER OF NMOC D VIA TELEPHONE | |

Initial Response

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

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

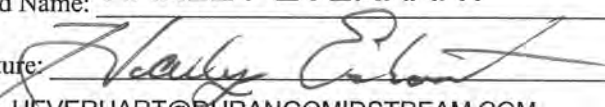
If all the actions described above have not been undertaken, explain why:

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

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

Printed Name: **HARLEY EVERHART**

Title: **EHS ANALYST**

Signature: 

Date: **01/18/21**

email: **HEVERHART@DURANGOMIDSTREAM.COM**

Telephone: **575-513-4922**

OCD Only

Received by: _____ Date: _____

Caviness 8" PPL
May 25, 2021

Durango Midstream
Lea County, New Mexico

Appendix C

Analytical Data



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

April 12, 2021

James Allen
Safety & Environmental Solutions
PO Box 1613
Hobbs, NM 88241
TEL: (575) 397-0510
FAX: (575) 393-4388

RE: Caviness 8" PPL

OrderNo.: 2104080

Dear James Allen:

Hall Environmental Analysis Laboratory received 11 sample(s) on 4/2/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

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

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2104080

Date Reported: 4/12/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: Area #1 East Wall

Project: Caviness 8" PPL

Collection Date: 3/31/2021 9:00:00 AM

Lab ID: 2104080-001

Matrix: SOIL

Received Date: 4/2/2021 7:35:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: VP |
| Chloride | ND | 60 | | mg/Kg | 20 | 4/8/2021 7:18:21 PM | 59299 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: mb |
| Diesel Range Organics (DRO) | 12 | 9.9 | | mg/Kg | 1 | 4/8/2021 12:50:43 PM | 59265 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 4/8/2021 12:50:43 PM | 59265 |
| Surr: DNOP | 93.6 | 70-130 | | %Rec | 1 | 4/8/2021 12:50:43 PM | 59265 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: CCM |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 4/7/2021 7:45:00 PM | 59180 |
| Surr: BFB | 95.0 | 70-130 | | %Rec | 1 | 4/7/2021 7:45:00 PM | 59180 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: CCM |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 4/7/2021 7:45:00 PM | 59180 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 4/7/2021 7:45:00 PM | 59180 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 4/7/2021 7:45:00 PM | 59180 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 4/7/2021 7:45:00 PM | 59180 |
| Surr: 4-Bromofluorobenzene | 89.1 | 70-130 | | %Rec | 1 | 4/7/2021 7:45:00 PM | 59180 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

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Analytical Report

Lab Order 2104080

Date Reported: 4/12/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: Area #1 North Wall

Project: Caviness 8" PPL

Collection Date: 3/31/2021 9:20:00 AM

Lab ID: 2104080-002

Matrix: SOIL

Received Date: 4/2/2021 7:35:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|---------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: VP |
| Chloride | ND | 60 | | mg/Kg | 20 | 4/8/2021 7:30:42 PM | 59299 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: mb |
| Diesel Range Organics (DRO) | ND | 9.4 | | mg/Kg | 1 | 4/8/2021 1:00:41 PM | 59265 |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 4/8/2021 1:00:41 PM | 59265 |
| Surr: DNOP | 97.9 | 70-130 | | %Rec | 1 | 4/8/2021 1:00:41 PM | 59265 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: CCM |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 4/7/2021 8:05:00 PM | 59180 |
| Surr: BFB | 94.3 | 70-130 | | %Rec | 1 | 4/7/2021 8:05:00 PM | 59180 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: CCM |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 4/7/2021 8:05:00 PM | 59180 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 4/7/2021 8:05:00 PM | 59180 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 4/7/2021 8:05:00 PM | 59180 |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 4/7/2021 8:05:00 PM | 59180 |
| Surr: 4-Bromofluorobenzene | 91.7 | 70-130 | | %Rec | 1 | 4/7/2021 8:05:00 PM | 59180 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

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Analytical Report

Lab Order 2104080

Date Reported: 4/12/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: Area #1 South Wall

Project: Caviness 8" PPL

Collection Date: 3/31/2021 9:40:00 AM

Lab ID: 2104080-003

Matrix: SOIL

Received Date: 4/2/2021 7:35:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|---------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: VP |
| Chloride | ND | 60 | | mg/Kg | 20 | 4/8/2021 7:43:03 PM | 59299 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: mb |
| Diesel Range Organics (DRO) | 110 | 9.8 | | mg/Kg | 1 | 4/8/2021 1:10:42 PM | 59265 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 4/8/2021 1:10:42 PM | 59265 |
| Surr: DNOP | 96.2 | 70-130 | | %Rec | 1 | 4/8/2021 1:10:42 PM | 59265 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: CCM |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 4/7/2021 8:25:00 PM | 59180 |
| Surr: BFB | 104 | 70-130 | | %Rec | 1 | 4/7/2021 8:25:00 PM | 59180 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: CCM |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 4/7/2021 8:25:00 PM | 59180 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 4/7/2021 8:25:00 PM | 59180 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 4/7/2021 8:25:00 PM | 59180 |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 4/7/2021 8:25:00 PM | 59180 |
| Surr: 4-Bromofluorobenzene | 92.4 | 70-130 | | %Rec | 1 | 4/7/2021 8:25:00 PM | 59180 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

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Analytical Report

Lab Order 2104080

Date Reported: 4/12/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: Area #1 Bottom Hole

Project: Caviness 8" PPL

Collection Date: 3/31/2021 10:00:00 AM

Lab ID: 2104080-004

Matrix: SOIL

Received Date: 4/2/2021 7:35:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|---------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: VP |
| Chloride | ND | 60 | | mg/Kg | 20 | 4/8/2021 7:55:26 PM | 59299 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: mb |
| Diesel Range Organics (DRO) | 22 | 9.4 | | mg/Kg | 1 | 4/8/2021 1:20:37 PM | 59265 |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 4/8/2021 1:20:37 PM | 59265 |
| Surr: DNOP | 104 | 70-130 | | %Rec | 1 | 4/8/2021 1:20:37 PM | 59265 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: CCM |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 4/7/2021 8:45:00 PM | 59180 |
| Surr: BFB | 94.6 | 70-130 | | %Rec | 1 | 4/7/2021 8:45:00 PM | 59180 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: CCM |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 4/7/2021 8:45:00 PM | 59180 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 4/7/2021 8:45:00 PM | 59180 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 4/7/2021 8:45:00 PM | 59180 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 4/7/2021 8:45:00 PM | 59180 |
| Surr: 4-Bromofluorobenzene | 90.3 | 70-130 | | %Rec | 1 | 4/7/2021 8:45:00 PM | 59180 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

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Analytical Report

Lab Order 2104080

Date Reported: 4/12/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: Area #2 North Wall

Project: Caviness 8" PPL

Collection Date: 3/31/2021 10:20:00 AM

Lab ID: 2104080-005

Matrix: SOIL

Received Date: 4/2/2021 7:35:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: VP |
| Chloride | ND | 59 | | mg/Kg | 20 | 4/8/2021 8:07:47 PM | 59299 |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 4/7/2021 8:43:09 PM | 59191 |
| Surr: BFB | 97.1 | 70-130 | | %Rec | 1 | 4/7/2021 8:43:09 PM | 59191 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: mb |
| Diesel Range Organics (DRO) | ND | 9.9 | | mg/Kg | 1 | 4/7/2021 12:30:43 PM | 59242 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 4/7/2021 12:30:43 PM | 59242 |
| Surr: DNOP | 76.5 | 70-130 | | %Rec | 1 | 4/7/2021 12:30:43 PM | 59242 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | | Analyst: JMR |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 4/7/2021 8:43:09 PM | 59191 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 4/7/2021 8:43:09 PM | 59191 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 4/7/2021 8:43:09 PM | 59191 |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 4/7/2021 8:43:09 PM | 59191 |
| Surr: 1,2-Dichloroethane-d4 | 102 | 70-130 | | %Rec | 1 | 4/7/2021 8:43:09 PM | 59191 |
| Surr: 4-Bromofluorobenzene | 88.6 | 70-130 | | %Rec | 1 | 4/7/2021 8:43:09 PM | 59191 |
| Surr: Dibromofluoromethane | 107 | 70-130 | | %Rec | 1 | 4/7/2021 8:43:09 PM | 59191 |
| Surr: Toluene-d8 | 105 | 70-130 | | %Rec | 1 | 4/7/2021 8:43:09 PM | 59191 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

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Analytical Report

Lab Order 2104080

Date Reported: 4/12/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: Area #2 South Wall

Project: Caviness 8" PPL

Collection Date: 3/31/2021 10:40:00 AM

Lab ID: 2104080-006

Matrix: SOIL

Received Date: 4/2/2021 7:35:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: VP |
| Chloride | ND | 60 | | mg/Kg | 20 | 4/8/2021 8:20:08 PM | 59299 |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 4/7/2021 10:08:56 PM | 59191 |
| Surr: BFB | 100 | 70-130 | | %Rec | 1 | 4/7/2021 10:08:56 PM | 59191 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: mb |
| Diesel Range Organics (DRO) | ND | 9.6 | | mg/Kg | 1 | 4/7/2021 1:09:30 PM | 59242 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 4/7/2021 1:09:30 PM | 59242 |
| Surr: DNOP | 76.0 | 70-130 | | %Rec | 1 | 4/7/2021 1:09:30 PM | 59242 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | | Analyst: JMR |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 4/7/2021 10:08:56 PM | 59191 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 4/7/2021 10:08:56 PM | 59191 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 4/7/2021 10:08:56 PM | 59191 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 4/7/2021 10:08:56 PM | 59191 |
| Surr: 1,2-Dichloroethane-d4 | 102 | 70-130 | | %Rec | 1 | 4/7/2021 10:08:56 PM | 59191 |
| Surr: 4-Bromofluorobenzene | 86.9 | 70-130 | | %Rec | 1 | 4/7/2021 10:08:56 PM | 59191 |
| Surr: Dibromofluoromethane | 100 | 70-130 | | %Rec | 1 | 4/7/2021 10:08:56 PM | 59191 |
| Surr: Toluene-d8 | 109 | 70-130 | | %Rec | 1 | 4/7/2021 10:08:56 PM | 59191 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

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Analytical Report

Lab Order 2104080

Date Reported: 4/12/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: Area #2 Bottom Hole

Project: Caviness 8" PPL

Collection Date: 3/31/2021 11:00:00 AM

Lab ID: 2104080-007

Matrix: SOIL

Received Date: 4/2/2021 7:35:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: VP |
| Chloride | ND | 60 | | mg/Kg | 20 | 4/9/2021 1:04:18 AM | 59301 |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | | Analyst: JMR |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 4/7/2021 10:37:25 PM | 59191 |
| Surr: BFB | 103 | 70-130 | | %Rec | 1 | 4/7/2021 10:37:25 PM | 59191 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: mb |
| Diesel Range Organics (DRO) | 26 | 9.1 | | mg/Kg | 1 | 4/7/2021 1:19:28 PM | 59242 |
| Motor Oil Range Organics (MRO) | ND | 46 | | mg/Kg | 1 | 4/7/2021 1:19:28 PM | 59242 |
| Surr: DNOP | 84.8 | 70-130 | | %Rec | 1 | 4/7/2021 1:19:28 PM | 59242 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | | Analyst: JMR |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 4/7/2021 10:37:25 PM | 59191 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 4/7/2021 10:37:25 PM | 59191 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 4/7/2021 10:37:25 PM | 59191 |
| Xylenes, Total | ND | 0.096 | | mg/Kg | 1 | 4/7/2021 10:37:25 PM | 59191 |
| Surr: 1,2-Dichloroethane-d4 | 103 | 70-130 | | %Rec | 1 | 4/7/2021 10:37:25 PM | 59191 |
| Surr: 4-Bromofluorobenzene | 94.2 | 70-130 | | %Rec | 1 | 4/7/2021 10:37:25 PM | 59191 |
| Surr: Dibromofluoromethane | 106 | 70-130 | | %Rec | 1 | 4/7/2021 10:37:25 PM | 59191 |
| Surr: Toluene-d8 | 107 | 70-130 | | %Rec | 1 | 4/7/2021 10:37:25 PM | 59191 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2104080

12-Apr-21

Client: Safety & Environmental Solutions**Project:** Caviness 8" PPL

| Sample ID: MB-59299 | SampType: MBLK | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|----------------------------|--------------------------------|---|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 59299 | RunNo: 76565 | | | | | | | | |
| Prep Date: 4/8/2021 | Analysis Date: 4/8/2021 | SeqNo: 2712576 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| Sample ID: LCS-59299 | SampType: LCS | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|--------------------------------|---|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 59299 | RunNo: 76565 | | | | | | | | |
| Prep Date: 4/8/2021 | Analysis Date: 4/8/2021 | SeqNo: 2712577 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 93.0 | 90 | 110 | | | |

| Sample ID: MB-59301 | SampType: MBLK | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|----------------------------|--------------------------------|---|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 59301 | RunNo: 76565 | | | | | | | | |
| Prep Date: 4/8/2021 | Analysis Date: 4/9/2021 | SeqNo: 2712617 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| Sample ID: LCS-59301 | SampType: LCS | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|--------------------------------|---|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 59301 | RunNo: 76565 | | | | | | | | |
| Prep Date: 4/8/2021 | Analysis Date: 4/9/2021 | SeqNo: 2712618 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 93.0 | 90 | 110 | | | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2104080

12-Apr-21

Client: Safety & Environmental Solutions**Project:** Caviness 8" PPL

| Sample ID: MB-59242 | SampType: MBLK | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|--------------------------------|--------------------------------|--|-----------|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 59242 | RunNo: 76528 | | | | | | | | |
| Prep Date: 4/6/2021 | Analysis Date: 4/7/2021 | SeqNo: 2711249 | | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | ND | 10 | | | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 50 | | | | | | | | |
| Surr: DNOP | 10 | | 10.00 | | 102 | 70 | 130 | | | |

| Sample ID: LCS-59242 | SampType: LCS | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|-----------------------------|--------------------------------|--|-----------|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 59242 | RunNo: 76528 | | | | | | | | |
| Prep Date: 4/6/2021 | Analysis Date: 4/7/2021 | SeqNo: 2711250 | | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 49 | 10 | 50.00 | 0 | 97.1 | 68.9 | 141 | | | |
| Surr: DNOP | 5.1 | | 5.000 | | 102 | 70 | 130 | | | |

| Sample ID: 2104080-005AMS | SampType: MS | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|--------------------------------------|--------------------------------|--|-----------|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: Area #2 North Wall | Batch ID: 59242 | RunNo: 76528 | | | | | | | | |
| Prep Date: 4/6/2021 | Analysis Date: 4/7/2021 | SeqNo: 2711251 | | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 58 | 9.8 | 48.88 | 7.305 | 103 | 15 | 184 | | | |
| Surr: DNOP | 4.0 | | 4.888 | | 81.7 | 70 | 130 | | | |

| Sample ID: 2104080-005AMSD | SampType: MSD | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|--------------------------------------|--------------------------------|--|-----------|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: Area #2 North Wall | Batch ID: 59242 | RunNo: 76528 | | | | | | | | |
| Prep Date: 4/6/2021 | Analysis Date: 4/7/2021 | SeqNo: 2711252 | | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 55 | 9.6 | 47.80 | 7.305 | 99.0 | 15 | 184 | 5.57 | 23.9 | |
| Surr: DNOP | 3.9 | | 4.780 | | 82.4 | 70 | 130 | 0 | 0 | |

| Sample ID: MB-59265 | SampType: MBLK | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|--------------------------------|--------------------------------|--|-----------|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 59265 | RunNo: 76564 | | | | | | | | |
| Prep Date: 4/7/2021 | Analysis Date: 4/8/2021 | SeqNo: 2712499 | | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | ND | 10 | | | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 50 | | | | | | | | |
| Surr: DNOP | 10 | | 10.00 | | 104 | 70 | 130 | | | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

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QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 2104080
12-Apr-21

Client: Safety & Environmental Solutions
Project: Caviness 8" PPL

| | | | | | | | | | | |
|-----------------------------|-------------------------|---|-----------|--------------|------|----------|-----------|------|----------|------|
| Sample ID: LCS-59265 | SampType: LCS | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
| Client ID: LCSS | Batch ID: 59265 | RunNo: 76564 | | | | | | | | |
| Prep Date: 4/7/2021 | Analysis Date: 4/8/2021 | SeqNo: 2712501 | | Units: mg/Kg | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 53 | 10 | 50.00 | 0 | 106 | 68.9 | 141 | | | |
| Surr: DNOP | 5.1 | | 5.000 | | 102 | 70 | 130 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2104080

12-Apr-21

Client: Safety & Environmental Solutions**Project:** Caviness 8" PPL

| Sample ID: ics-59180 | SampType: LCS | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-------------------------------|--------------------------------|---|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 59180 | RunNo: 76534 | | | | | | | | |
| Prep Date: 4/3/2021 | Analysis Date: 4/7/2021 | SeqNo: 2711407 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 24 | 5.0 | 25.00 | 0 | 95.1 | 78.6 | 131 | | | |
| Surr: BFB | 1100 | | 1000 | | 110 | 70 | 130 | | | |

| Sample ID: mb-59180 | SampType: MBLK | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-------------------------------|--------------------------------|---|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 59180 | RunNo: 76534 | | | | | | | | |
| Prep Date: 4/3/2021 | Analysis Date: 4/7/2021 | SeqNo: 2711408 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND | 5.0 | | | | | | | | |
| Surr: BFB | 930 | | 1000 | | 93.2 | 70 | 130 | | | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2104080

12-Apr-21

Client: Safety & Environmental Solutions**Project:** Caviness 8" PPL

| Sample ID: lcs-59180 | SampType: LCS | | | TestCode: EPA Method 8021B: Volatiles | | | | | | |
|-----------------------------|--------------------------------|-------|-----------|--|------|---------------------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 59180 | | | RunNo: 76534 | | | | | | |
| Prep Date: 4/3/2021 | Analysis Date: 4/7/2021 | | | SeqNo: 2711440 | | Units: mg/Kg | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.92 | 0.025 | 1.000 | 0 | 92.0 | 80 | 120 | | | |
| Toluene | 0.95 | 0.050 | 1.000 | 0 | 95.3 | 80 | 120 | | | |
| Ethylbenzene | 0.98 | 0.050 | 1.000 | 0 | 98.4 | 80 | 120 | | | |
| Xylenes, Total | 2.9 | 0.10 | 3.000 | 0 | 97.2 | 80 | 120 | | | |
| Surr: 4-Bromofluorobenzene | 0.93 | | 1.000 | | 92.8 | 70 | 130 | | | |

| Sample ID: mb-59180 | SampType: MBLK | | | TestCode: EPA Method 8021B: Volatiles | | | | | | |
|----------------------------|--------------------------------|-------|-----------|--|------|---------------------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 59180 | | | RunNo: 76534 | | | | | | |
| Prep Date: 4/3/2021 | Analysis Date: 4/7/2021 | | | SeqNo: 2711441 | | Units: mg/Kg | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.025 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 0.90 | | 1.000 | | 90.5 | 70 | 130 | | | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2104080

12-Apr-21

Client: Safety & Environmental Solutions**Project:** Caviness 8" PPL

| Sample ID: lcs-59191 | SampType: LCS | TestCode: EPA Method 8260B: Volatiles Short List | | | | | | | | |
|-----------------------------|--------------------------------|---|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 59191 | RunNo: 76538 | | | | | | | | |
| Prep Date: 4/3/2021 | Analysis Date: 4/7/2021 | SeqNo: 2711627 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.90 | 0.025 | 1.000 | 0 | 89.6 | 70 | 130 | | | |
| Toluene | 0.94 | 0.050 | 1.000 | 0 | 93.7 | 70 | 130 | | | |
| Surr: 1,2-Dichloroethane-d4 | 0.52 | | 0.5000 | | 103 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.46 | | 0.5000 | | 91.1 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 0.49 | | 0.5000 | | 98.3 | 70 | 130 | | | |
| Surr: Toluene-d8 | 0.53 | | 0.5000 | | 106 | 70 | 130 | | | |

| Sample ID: mb-59191 | SampType: MBLK | TestCode: EPA Method 8260B: Volatiles Short List | | | | | | | | |
|-----------------------------|--------------------------------|---|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 59191 | RunNo: 76538 | | | | | | | | |
| Prep Date: 4/3/2021 | Analysis Date: 4/7/2021 | SeqNo: 2711628 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.025 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 0.52 | | 0.5000 | | 105 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.45 | | 0.5000 | | 90.6 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 0.55 | | 0.5000 | | 110 | 70 | 130 | | | |
| Surr: Toluene-d8 | 0.54 | | 0.5000 | | 108 | 70 | 130 | | | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2104080

12-Apr-21

Client: Safety & Environmental Solutions**Project:** Caviness 8" PPL

| Sample ID: lcs-59191 | SampType: LCS | | TestCode: EPA Method 8015D Mod: Gasoline Range | | | | | | | |
|-------------------------------|--------------------------------|-----|---|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 59191 | | RunNo: 76538 | | | | | | | |
| Prep Date: 4/3/2021 | Analysis Date: 4/7/2021 | | SeqNo: 2711635 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 23 | 5.0 | 25.00 | 0 | 92.6 | 70 | 130 | | | |
| Surr: BFB | 500 | | 500.0 | | 100 | 70 | 130 | | | |

| Sample ID: mb-59191 | SampType: MBLK | | TestCode: EPA Method 8015D Mod: Gasoline Range | | | | | | | |
|-------------------------------|--------------------------------|-----|---|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 59191 | | RunNo: 76538 | | | | | | | |
| Prep Date: 4/3/2021 | Analysis Date: 4/7/2021 | | SeqNo: 2711636 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND | 5.0 | | | | | | | | |
| Surr: BFB | 490 | | 500.0 | | 97.6 | 70 | 130 | | | |

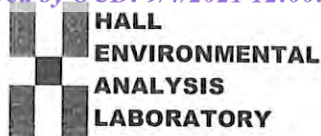
| Sample ID: 2104080-005AMS | SampType: MS | | TestCode: EPA Method 8015D Mod: Gasoline Range | | | | | | | |
|--------------------------------------|--------------------------------|-----|---|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: Area #2 North Wall | Batch ID: 59191 | | RunNo: 76538 | | | | | | | |
| Prep Date: 4/3/2021 | Analysis Date: 4/7/2021 | | SeqNo: 2711638 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 22 | 5.0 | 24.88 | 0 | 87.8 | 49.2 | 122 | | | |
| Surr: BFB | 500 | | 497.5 | | 100 | 70 | 130 | | | |

| Sample ID: 2104080-005AMSD | SampType: MSD | | TestCode: EPA Method 8015D Mod: Gasoline Range | | | | | | | |
|--------------------------------------|--------------------------------|-----|---|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: Area #2 North Wall | Batch ID: 59191 | | RunNo: 76538 | | | | | | | |
| Prep Date: 4/3/2021 | Analysis Date: 4/7/2021 | | SeqNo: 2711639 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 22 | 5.0 | 24.78 | 0 | 90.8 | 49.2 | 122 | 2.92 | 20 | |
| Surr: BFB | 500 | | 495.5 | | 100 | 70 | 130 | 0 | 0 | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: **Safety & Environmental Solutions**

Work Order Number: **2104080**

RcptNo: 1

Received By: **Juan Rojas**

4/2/2021 7:35:00 AM

Juan Rojas

Completed By: **Cheyenne Cason**

4/2/2021 9:13:00 AM

Reviewed By: *JR 4/2/21*

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by:

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☒ No ☐ NA ☒

Person Notified:

Sergio

Date: *4/2/21*

By Whom:

Erin M/Erin C.

Via: ☐ eMail ☒ Phone ☐ Fax ☐ In Person

Regarding:

Missing all "Area #3" samples.

Client Instructions:

Client has samples and will submit them on their own CDC.

16. Additional remarks:

-ENM 4/2/21

17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 3.1 | Good | | | | |
| 2 | 2.0 | Good | | | | |

Chain-of-Custody Record

Client: SESI

Mailing Address: BOX 1613

Phone #: 575-397-0510

email or Fax#: 575-393-4388

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:

☒ Standard ☐ Rush

Project Name:

CAVINESS 8" PPL

Project #:

DUR 21-001

Project Manager:

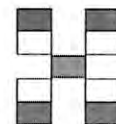
JAMES ALLEN

Sampler:

On Ice: ☒ Yes ☐ No# of Coolers: 2 3.2 - 0.1 = 3.1Cooler Temp (including CF): 2.1 - 0.1 = 2.0 (°C)

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. |
|-------|------|--------|---------------------|----------------------|-------------------|----------|
| 03/31 | 0900 | Soil | Area #1 East Wall | 402 - 1 | COOL | 001 |
| 03/31 | 0920 | | Area #1 North Wall | | | 002 |
| 03/31 | 0940 | | Area #1 South Wall | | | 003 |
| 03/31 | 1000 | | Area #1 Bottom Hole | | | 004 |
| 03/31 | 1020 | | Area #2 North Wall | | | 005 |
| 03/31 | 1040 | | Area #2 South Wall | | | 006 |
| 03/31 | 1100 | | Area #2 Bottom Hole | | | 007 |
| 03/31 | 1120 | | Area #3 North Wall | | | 008 |
| 03/31 | 1140 | | Area #3 West Wall | | | 009 |
| 03/31 | 1200 | | Area #3 South Wall | | | 010 |
| 03/31 | 1220 | | Area #3 Bottom Hole | | | 011 |

| | | | | | | |
|---------------------|-------------------|-------------------------------------|---------------------------------|-------------------------|---------------------|-------------------|
| Date: <u>4/1/21</u> | Time: <u>1400</u> | Relinquished by: <u>[Signature]</u> | Received by: <u>[Signature]</u> | Via: <u>[Signature]</u> | Date: <u>4/1/21</u> | Time: <u>1400</u> |
| Date: <u>4/1/21</u> | Time: <u>1900</u> | Relinquished by: <u>[Signature]</u> | Received by: <u>[Signature]</u> | Via: <u>[Signature]</u> | Date: <u>4/2/21</u> | Time: <u>7:35</u> |

HALL ENVIRONMENTAL
ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

| BTEX / MTBE / TMB's (8021) | TPH:8015D(GRO / DRO / MRO) | 8081 Pesticides/8082 PCB's | EDB (Method 504.1) | PAHs by 8310 or 8270SIMS | RCRA 8 Metals | Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄ | 8260 (VOA) | 8270 (Semi-VOA) | Total Coliform (Present/Absent) | TPH | CL | BTEX |
|----------------------------|----------------------------|----------------------------|--------------------|--------------------------|---------------|--|------------|-----------------|---------------------------------|-----|----|------|
| | | | | | | | | | | ✓ | ✓ | ✓ |

Remarks:
 * -008 thru -011 samples not
 Provided * -ENM 4/2/21



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

April 13, 2021

James Allen
Safety & Environmental Solutions
PO Box 1613
Hobbs, NM 88241
TEL: (575) 397-0510
FAX: (575) 393-4388

RE: Caviness 8" PPL

OrderNo.: 2104268

Dear James Allen:

Hall Environmental Analysis Laboratory received 4 sample(s) on 4/7/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2104268

Date Reported: 4/13/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: Area #3 N Wall

Project: Caviness 8" PPL

Collection Date: 3/31/2021 11:20:00 AM

Lab ID: 2104268-001

Matrix: SOIL

Received Date: 4/7/2021 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: VP |
| Chloride | ND | 60 | | mg/Kg | 20 | 4/12/2021 6:56:34 PM | 59351 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: CLP |
| Diesel Range Organics (DRO) | 25 | 9.7 | | mg/Kg | 1 | 4/9/2021 4:39:46 PM | 59293 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 4/9/2021 4:39:46 PM | 59293 |
| Surr: DNOP | 92.9 | 70-130 | | %Rec | 1 | 4/9/2021 4:39:46 PM | 59293 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 4/9/2021 5:14:17 PM | 59289 |
| Surr: BFB | 94.7 | 70-130 | | %Rec | 1 | 4/9/2021 5:14:17 PM | 59289 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 4/9/2021 5:14:17 PM | 59289 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 4/9/2021 5:14:17 PM | 59289 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 4/9/2021 5:14:17 PM | 59289 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 4/9/2021 5:14:17 PM | 59289 |
| Surr: 4-Bromofluorobenzene | 96.1 | 70-130 | | %Rec | 1 | 4/9/2021 5:14:17 PM | 59289 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Page 1 of 8

Analytical Report

Lab Order 2104268

Date Reported: 4/13/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: Area #3 W Wall

Project: Caviness 8" PPL

Collection Date: 3/31/2021 11:40:00 AM

Lab ID: 2104268-002

Matrix: SOIL

Received Date: 4/7/2021 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: VP |
| Chloride | ND | 60 | | mg/Kg | 20 | 4/12/2021 7:08:58 PM | 59351 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: CLP |
| Diesel Range Organics (DRO) | ND | 9.6 | | mg/Kg | 1 | 4/9/2021 4:49:29 PM | 59293 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 4/9/2021 4:49:29 PM | 59293 |
| Surr: DNOP | 79.8 | 70-130 | | %Rec | 1 | 4/9/2021 4:49:29 PM | 59293 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.6 | | mg/Kg | 1 | 4/9/2021 6:24:41 PM | 59289 |
| Surr: BFB | 96.0 | 70-130 | | %Rec | 1 | 4/9/2021 6:24:41 PM | 59289 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.023 | | mg/Kg | 1 | 4/9/2021 6:24:41 PM | 59289 |
| Toluene | ND | 0.046 | | mg/Kg | 1 | 4/9/2021 6:24:41 PM | 59289 |
| Ethylbenzene | ND | 0.046 | | mg/Kg | 1 | 4/9/2021 6:24:41 PM | 59289 |
| Xylenes, Total | ND | 0.093 | | mg/Kg | 1 | 4/9/2021 6:24:41 PM | 59289 |
| Surr: 4-Bromofluorobenzene | 97.2 | 70-130 | | %Rec | 1 | 4/9/2021 6:24:41 PM | 59289 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Page 2 of 8

Analytical Report

Lab Order 2104268

Date Reported: 4/13/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: Area #3 S Wall

Project: Caviness 8" PPL

Collection Date: 3/31/2021 12:00:00 PM

Lab ID: 2104268-003

Matrix: SOIL

Received Date: 4/7/2021 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: VP |
| Chloride | ND | 59 | | mg/Kg | 20 | 4/12/2021 7:21:22 PM | 59351 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: SB |
| Diesel Range Organics (DRO) | ND | 9.6 | | mg/Kg | 1 | 4/10/2021 3:11:38 PM | 59293 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 4/10/2021 3:11:38 PM | 59293 |
| Surr: DNOP | 89.7 | 70-130 | | %Rec | 1 | 4/10/2021 3:11:38 PM | 59293 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 4/9/2021 6:48:27 PM | 59289 |
| Surr: BFB | 95.6 | 70-130 | | %Rec | 1 | 4/9/2021 6:48:27 PM | 59289 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 4/9/2021 6:48:27 PM | 59289 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 4/9/2021 6:48:27 PM | 59289 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 4/9/2021 6:48:27 PM | 59289 |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 4/9/2021 6:48:27 PM | 59289 |
| Surr: 4-Bromofluorobenzene | 96.7 | 70-130 | | %Rec | 1 | 4/9/2021 6:48:27 PM | 59289 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Page 3 of 8

Analytical Report

Lab Order 2104268

Date Reported: 4/13/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Client Sample ID: Area #3 Bottom Hole

Project: Caviness 8" PPL

Collection Date: 3/31/2021 12:20:00 PM

Lab ID: 2104268-004

Matrix: SOIL

Received Date: 4/7/2021 9:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: VP |
| Chloride | ND | 60 | | mg/Kg | 20 | 4/12/2021 7:33:47 PM | 59351 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: SB |
| Diesel Range Organics (DRO) | ND | 9.5 | | mg/Kg | 1 | 4/10/2021 3:25:08 PM | 59293 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 4/10/2021 3:25:08 PM | 59293 |
| Surr: DNOP | 82.3 | 70-130 | | %Rec | 1 | 4/10/2021 3:25:08 PM | 59293 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 4/9/2021 7:11:56 PM | 59289 |
| Surr: BFB | 93.7 | 70-130 | | %Rec | 1 | 4/9/2021 7:11:56 PM | 59289 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 4/9/2021 7:11:56 PM | 59289 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 4/9/2021 7:11:56 PM | 59289 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 4/9/2021 7:11:56 PM | 59289 |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 4/9/2021 7:11:56 PM | 59289 |
| Surr: 4-Bromofluorobenzene | 96.0 | 70-130 | | %Rec | 1 | 4/9/2021 7:11:56 PM | 59289 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Page 4 of 8

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2104268

13-Apr-21

Client: Safety & Environmental Solutions**Project:** Caviness 8" PPL

| | | | | | | | | | | |
|-----------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Sample ID: MB-59351 | SampType: MBLK | TestCode: EPA Method 300.0: Anions | | | | | | | | |
| Client ID: PBS | Batch ID: 59351 | RunNo: 76621 | | | | | | | | |
| Prep Date: 4/12/2021 | Analysis Date: 4/12/2021 | SeqNo: 2714873 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| | | | | | | | | | | |
|-----------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Sample ID: LCS-59351 | SampType: LCS | TestCode: EPA Method 300.0: Anions | | | | | | | | |
| Client ID: LCSS | Batch ID: 59351 | RunNo: 76621 | | | | | | | | |
| Prep Date: 4/12/2021 | Analysis Date: 4/12/2021 | SeqNo: 2714874 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 92.9 | 90 | 110 | | | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

Page 5 of 8

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2104268

13-Apr-21

Client: Safety & Environmental Solutions**Project:** Caviness 8" PPL

| Sample ID: MB-59293 | SampType: MBLK | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|--------------------------------|--------------------------------|--|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 59293 | RunNo: 76586 | | | | | | | | |
| Prep Date: 4/8/2021 | Analysis Date: 4/9/2021 | SeqNo: 2713306 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | ND | 10 | | | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 50 | | | | | | | | |
| Surr: DNOP | 12 | | 10.00 | | 119 | 70 | 130 | | | |

| Sample ID: LCS-59293 | SampType: LCS | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|-----------------------------|--------------------------------|--|-----------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 59293 | RunNo: 76586 | | | | | | | | |
| Prep Date: 4/8/2021 | Analysis Date: 4/9/2021 | SeqNo: 2713308 Units: mg/Kg | | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 51 | 10 | 50.00 | 0 | 103 | 68.9 | 141 | | | |
| Surr: DNOP | 5.0 | | 5.000 | | 101 | 70 | 130 | | | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

Page 6 of 8

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2104268

13-Apr-21

Client: Safety & Environmental Solutions**Project:** Caviness 8" PPL

| Sample ID: mb-59289 | SampType: MBLK | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-------------------------------|--------------------------------|---|-----------|---------------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 59289 | RunNo: 76573 | | | | | | | | |
| Prep Date: 4/7/2021 | Analysis Date: 4/9/2021 | SeqNo: 2713478 | | Units: mg/Kg | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND | 5.0 | | | | | | | | |
| Surr: BFB | 980 | | 1000 | | 97.9 | 70 | 130 | | | |

| Sample ID: lcs-59289 | SampType: LCS | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-------------------------------|--------------------------------|---|-----------|---------------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 59289 | RunNo: 76573 | | | | | | | | |
| Prep Date: 4/7/2021 | Analysis Date: 4/9/2021 | SeqNo: 2713479 | | Units: mg/Kg | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 24 | 5.0 | 25.00 | 0 | 97.6 | 78.6 | 131 | | | |
| Surr: BFB | 1100 | | 1000 | | 106 | 70 | 130 | | | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit

Page 7 of 8

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2104268

13-Apr-21

Client: Safety & Environmental Solutions**Project:** Caviness 8" PPL

| Sample ID: mb-59289 | SampType: MBLK | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|----------------------------|--------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 59289 | RunNo: 76573 | | | | | | | | |
| Prep Date: 4/7/2021 | Analysis Date: 4/9/2021 | SeqNo: 2713530 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.025 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 0.98 | | 1.000 | | 97.8 | 70 | 130 | | | |

| Sample ID: LCS-59289 | SampType: LCS | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|-----------------------------|--------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 59289 | RunNo: 76573 | | | | | | | | |
| Prep Date: 4/7/2021 | Analysis Date: 4/9/2021 | SeqNo: 2713531 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.94 | 0.025 | 1.000 | 0 | 93.9 | 80 | 120 | | | |
| Toluene | 0.95 | 0.050 | 1.000 | 0 | 94.8 | 80 | 120 | | | |
| Ethylbenzene | 0.95 | 0.050 | 1.000 | 0 | 94.5 | 80 | 120 | | | |
| Xylenes, Total | 2.8 | 0.10 | 3.000 | 0 | 94.1 | 80 | 120 | | | |
| Surr: 4-Bromofluorobenzene | 0.99 | | 1.000 | | 99.3 | 70 | 130 | | | |

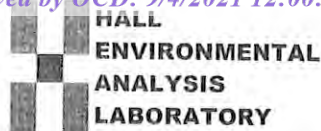
| Sample ID: 2104268-001AMS | SampType: MS | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|----------------------------------|--------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: Area #3 N Wall | Batch ID: 59289 | RunNo: 76573 | | | | | | | | |
| Prep Date: 4/7/2021 | Analysis Date: 4/9/2021 | SeqNo: 2713533 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.90 | 0.024 | 0.9785 | 0 | 91.8 | 76.3 | 120 | | | |
| Toluene | 0.92 | 0.049 | 0.9785 | 0 | 93.9 | 78.5 | 120 | | | |
| Ethylbenzene | 0.92 | 0.049 | 0.9785 | 0 | 93.8 | 78.1 | 124 | | | |
| Xylenes, Total | 2.7 | 0.098 | 2.935 | 0 | 92.6 | 79.3 | 125 | | | |
| Surr: 4-Bromofluorobenzene | 0.96 | | 0.9785 | | 97.8 | 70 | 130 | | | |

| Sample ID: 2104268-001AMSD | SampType: MSD | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|-----------------------------------|--------------------------------|--|---------------------|-------------|------|----------|-----------|--------|----------|------|
| Client ID: Area #3 N Wall | Batch ID: 59289 | RunNo: 76573 | | | | | | | | |
| Prep Date: 4/7/2021 | Analysis Date: 4/9/2021 | SeqNo: 2713534 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.90 | 0.023 | 0.9251 | 0 | 97.0 | 80 | 120 | 0.0729 | 20 | |
| Toluene | 0.91 | 0.046 | 0.9251 | 0 | 98.4 | 80 | 120 | 0.890 | 20 | |
| Ethylbenzene | 0.90 | 0.046 | 0.9251 | 0 | 97.5 | 80 | 120 | 1.76 | 20 | |
| Xylenes, Total | 2.7 | 0.093 | 2.775 | 0 | 96.7 | 80 | 120 | 1.33 | 20 | |
| Surr: 4-Bromofluorobenzene | 0.91 | | 0.9251 | | 98.2 | 70 | 130 | 0 | 0 | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical Quantitative Limit
S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank
E Value above quantitation range
J Analyte detected below quantitation limits
P Sample pH Not In Range
RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: **Safety & Environmental Solutions**

Work Order Number: **2104268**

RcptNo: 1

Received By: **Juan Rojas**

4/7/2021 9:50:00 AM

Juan Rojas

Completed By: **Cheyenne Cason**

4/7/2021 11:16:16 AM

Reviewed By: **JR 4/7/21**

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: **SPA 4.7.21**

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

| Cooler No | Temp $^{\circ}\text{C}$ | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|-------------------------|-----------|-------------|---------|-----------|-----------|
| 1 | 1.0 | Good | | | | |

Caviness 8" PPL
May 25, 2021

Durango Midstream
Lea County, New Mexico

Appendix D

Arch Survey

NMCRIS No.: 147288

NMCRIS INVESTIGATION ABSTRACT FORM (NIAF)

| | | | |
|---|---|------------------------------------|---|
| 1. NMCRIS Activity No.: 147288 | 2a. Lead Agency: US Bureau of Land Management Carlsbad Field Office | 2b. Other Agency(ies): | 3. Lead Agency Report No.: |
| 4. Title of Report: A Class III Archaeological Survey for the A Class III Archaeological Survey for the Durango Midstream Caviness 8" Pipeline Produced Water Release, Lea County, New Mexico Author(s) Galassini, Stacy K. and Joshua W. Broxson | | | 5. Type of Report <input checked="" type="checkbox"/> Negative <input type="checkbox"/> Positive |
| 6. Investigation Type <input type="checkbox"/> Research Design <input checked="" type="checkbox"/> Archaeological Survey/Inventory <input type="checkbox"/> Architectural Survey/Inventory <input type="checkbox"/> Test Excavation <input type="checkbox"/> Excavation <input type="checkbox"/> Collections/Non-Field Study <input type="checkbox"/> Compliance Decision Based on Previous Inventory <input type="checkbox"/> Overview/Lit Review <input type="checkbox"/> Monitoring <input type="checkbox"/> Ethnographic Study <input type="checkbox"/> Site/Property Specific Visit <input type="checkbox"/> Historic Structures Report <input type="checkbox"/> Other | | | |
| 7. Description of Undertaking (what does the project entail?): A pedestrian cultural resources survey was conducted at the request of Safety and Environmental Solutions, Inc. for a produced water release on federal land in Section 13 of T18S R32E. The release was confined to a blowout within the buried pipeline right-of-way and totals 0.02 acres. At the time of survey, the pipeline had been excavated (see Figures 1 and 2). | | | |
| [] Continuation | | | |
| 8. Dates of Investigation: from: 18-Jan-2021 to: 18-Jan-2021 | | 9. Report Date: 26-Jan-2021 | |
| 10. Performing Agency/Consultant: Boone Archaeological Resource Consultants, LLC. Principal Investigator: Stacy K. Galassini Field Supervisor: Erick Martinez Field Personnel Names: Erick Martinez Historian / Other: | | | |
| 11. Performing Agency/Consultant Report No.: BARC 01-21-06 | | | |
| 12. Applicable Cultural Resource Permit No(s): BLM Permit No.: 190-2920-20-AA | | | |

NMCRIS No.: 147288**13. Client/Customer (project proponent):**

Safety and Environmental Solutions, Inc.

Contact: Kathy Purvis**Address:****Phone:** 575-397-0510**14. Client/Customer Project No.:****15. Land Ownership Status (must be indicated on project map):****Land Owner (By Agency)****Acres Surveyed Acres in APE**

| | | |
|--|------|------|
| US Bureau of Land Management Carlsbad Field Office | 1.30 | 1.30 |
| TOTALS | 1.30 | 1.30 |

16. Records Search(es):

| | | |
|--|-------------------------------------|---------|
| Date(s) of HPD/ARMS File Review: 15 Jan 2021 | Name of Reviewer(s): S.K. Galassini | |
| Date(s) of Other Agency File Review: | Name of Reviewer(s): | Agency: |

17. Survey Data:**a. Source Graphics** [] NAD 27 [x] NAD 83 **Note: NAD 83 is the NMCRIS standard.**☒ **USGS 7.5' (1:24,000) topo map** ☐ **Other topo map, Scale:**☒ **GPS Unit Accuracy** ☒ <1.0m ☐ 1-10m ☐ 10-100m ☐ >100m☐ **Aerial Photo(s)****Other Source Graphic(s):****b. USGS 7.5' Topographic Map Name****USGS Quad Code**

| | |
|----------------------|----------|
| Laguna Gatuna NW, NM | 32103-F6 |
|----------------------|----------|

c. County(ies): LEA**d. Nearest City or Town:** Lovington, NM**e. Legal Description:****Township (N/S)****Range (E/W)****Section**

| | | |
|-----|-----|----|
| 18S | 32E | 13 |
|-----|-----|----|

Projected legal description? [] Yes [x] No [] Unplatted**f. Other Description (e.g. well pad footages, mile markers, plats, land grant name, etc.):**

[] Continuation

18. Survey Field Methods:**Intensity:**

100% coverage



<100% coverage

NMCRIS No.: 147288

Configuration: ☒ block survey units ☐ linear survey units (l x w):
☐ other survey units (specify):

Scope: ☒ non-selective (all sites/properties recorded) ☐ selective/thematic (selected sites/properties recorded)

Coverage Method: ☒ systematic pedestrian coverage
☐ other method (describe):

Survey Interval (m): 15 **Crew Size:** 1 **Fieldwork Dates:** from: 18-Jan-2021 to: 18-Jan-2021

Survey Person Hours: 0.50 **Recording Person Hours:** 0.00 **Total Hours:** 0.50

Additional Narrative:

A 238 ft. x 238 ft. block survey was conducted using 50 ft. parallel transects across and beyond the release providing at least 100 ft. of clearance. The survey area totals 1.30 acres.

There is one previously recorded cultural resource within ¼ mile of the release area, LA 98839.

[] Continuation

19. Environmental Setting (NRCS soil designation; vegetative community; elevation; etc.):

According to the Natural Resources Conservation Service' online database, the release area soils consist of Kimbrough soils. These soils are associated with the Very Shallow 12-17" PZ ecological site (R077DY049TX) which typically supports black and blue grama grasslands with a sparse distribution of feather dalea, catclaw, and vine ephedra. The current vegetative community consists of mesquite, yucca, prickly pear, broom snakeweed, and desert forbs and grasses. The survey area falls on desert scrubland with low coppice dunes. The elevation ranges from 3,820 ft. to 3,830 ft. above mean sea level.

[] Continuation

20.a. Percent Ground Visibility: 51%-75% **b. Condition of Survey Area (grazed, bladed, undistributed, etc.):**

The survey area has been affected by a buried pipeline, tank battery, well pad, produced water release, pipeline excavation, cattle grazing, and erosion.

[] Continuation

21. CULTURAL RESOURCE FINDINGS ☒ **Yes, see next report section** ☐ **No, discuss why:**

One isolated manifestation was recorded during the survey. For a detailed description of the isolates, see Table 1.

[] Continuation

22. Attachments (check all appropriate boxes):

- ☒ USGS 7.5 Topographic Map with sites, isolates, and survey area clearly drawn (required)
- ☒ Copy of NMCRIS Map Check (required)
- ☐ LA Site Forms - new sites (with sketch map & topographic map) if applicable
- ☐ LA Site Forms (update) - previously recorded & un-relocated sites (first 2 pages minimum)
- ☐ Historic Cultural Property Inventory Forms, if applicable
- ☒ List and Description of Isolates, if applicable
- ☐ List and Description of Collections, if applicable

23. Other Attachments:

☒ **Photographs and Log:** Release Photographs

[] **Other Attachments (Describe):**

NMCRIS No.: 147288**24. I certify the information provided above is correct and accurate and meets all applicable agency standards.****Principal Investigator/Qualified Supervisor:** Printed Name: Stacy K. Galassini**Signature:** Stacy K. Galassini **Date:** 1/25/21 **Title:** Principal Investigator**25. Reviewing Agency****Reviewer's Name/Date:****Accepted** []**Rejected** []**26. SHPO****Reviewer's Name/Date:****HPD Log #:****Date sent to ARMS:****CULTURAL RESOURCE FINDINGS***[fill in appropriate section(s)]***SURVEY RESULTS:****Archaeological Sites discovered and registered:** 0**Archaeological Sites discovered and NOT registered:** 0**Previously recorded archaeological sites revisited (site update form required):** 0**Previously recorded archaeological sites not relocated (site update form required):** 0**TOTAL ARCHAEOLOGICAL SITES (visited & recorded):** 0**Total isolates recorded:** 1☒ **Non-selective isolate recording?****HCPI properties discovered and registered:** 0**HCPI properties discovered and NOT registered:** 0**Previously recorded HCPI properties revisited:** 0**Previously recorded HCPI properties not relocated:** 0**TOTAL HCPI PROPERTIES (visited & recorded, including acequias):** 0**MANAGEMENT SUMMARY:**

One isolated manifestation was recorded during the survey. Completion of the release remediation will result in no effect to cultural resources which are eligible for listing to the NRHP. The release remediation is recommended for approval. If cultural materials are encountered during the remediation process, work should be halted and archaeologists with the BLM/CFO should be notified immediately.

[] Continuation

IF REPORT IS NEGATIVE, YOU ARE DONE AT THIS POINT.**SURVEY LA/HCPI NUMBER LOG****Sites/Properties Discovered:****LA/HCPI No.****Field/Agency No.****Eligible? (Y/N/U, applicable criteria)**

NMCRIS No.: 147288

Previously recorded revisited sites/HCPI properties:

LA/HCPI No. Field/Agency No. Eligible? (Y/N/U, applicable criteria)

MONITORING LA NUMBER LOG (site form required)

Sites Discovered (site form required):

Previously recorded sites (site update form required):

LA No. Field/Agency No.

LA No. Field/Agency No.

Areas outside known nearby site boundaries monitored? [] Yes

[] No, Explain why:

TESTING & EXCAVATION LA NUMBER LOG (site form required)

Tested LA number(s)

Excavated LA number(s)

Table 1. Isolated Manifestations.

| IM No. | Description | Easting | Northing |
|--------|--------------------------------------|---------|----------|
| IM01 | Primary flake, tan quartzite, > 4 cm | 620084 | 3623473 |



Figure 1. Release and Pipeline Excavation, View East.



Figure 2. Release and Pipeline Excavation, View West.

A Class III Archaeological Survey for the A Class III Archaeological Survey for the
Durango Midstream Caviness 8" Pipeline Produced Water Release, Lea County, New Mexico

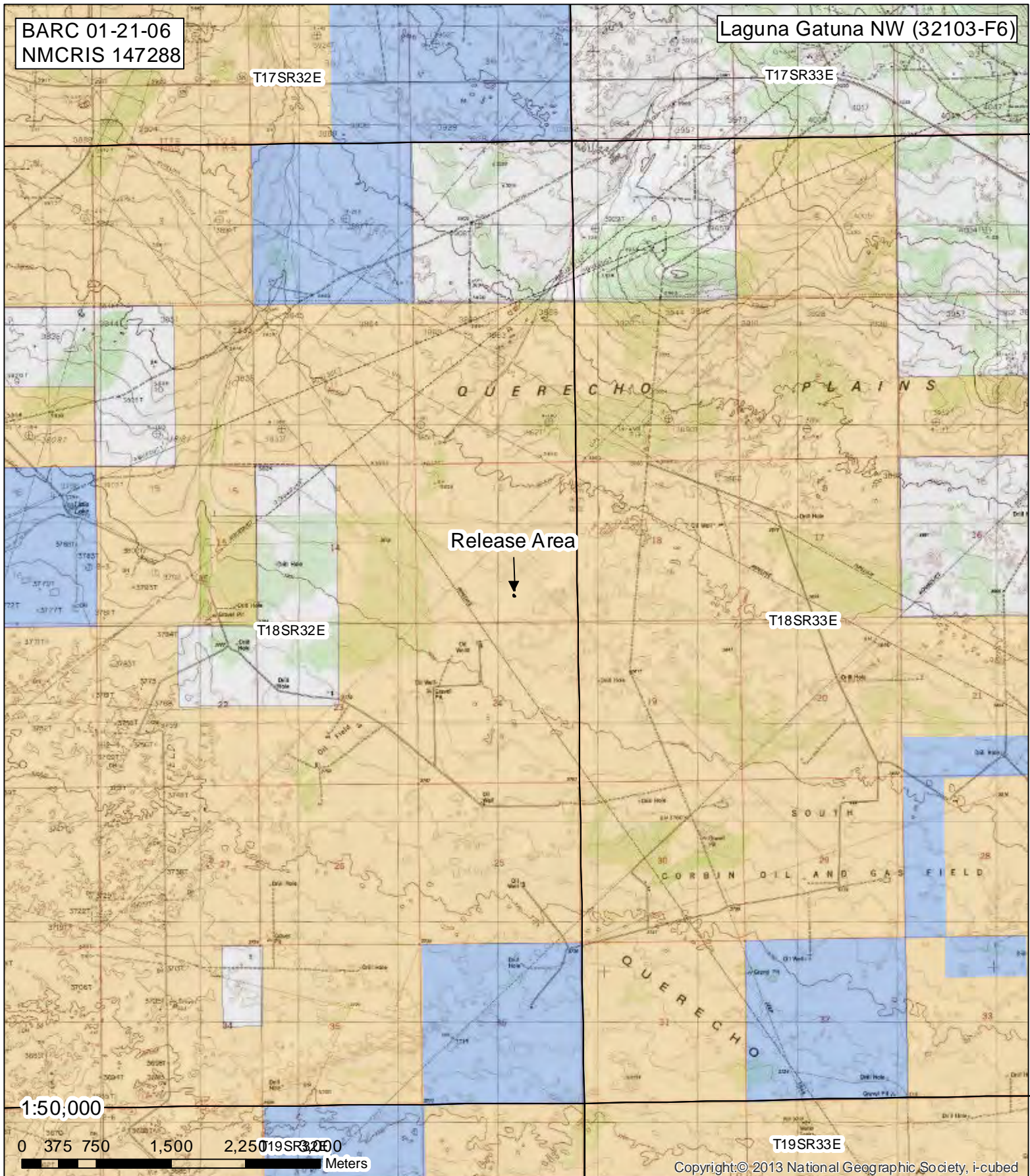
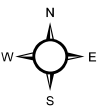


Figure 1. Project Area

Release Area
 BLM
 Private
 NM State

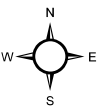


A Class III Archaeological Survey for the A Class III Archaeological Survey for the
Durango Midstream Caviness 8" Pipeline Produced Water Release, Lea County, New Mexico



Figure 2. Current & Previous Survey

Survey Area Previous Survey BLM Private NM State



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 | NAPP2101836808 |
| District RP | |
| Facility ID | |
| Application ID | |

Release Notification

Responsible Party

| | | | |
|-------------------------|---|------------------------------|----------------|
| Responsible Party | Frontier Field Services | OGRID | 221115 |
| Contact Name | HARLEY EVERHART | Contact Telephone | 575-513-4922 |
| Contact email | HEVERHART@DURANGOMIDSTREAM.COM | Incident # (assigned by OCD) | NAPP2101836808 |
| Contact mailing address | 4200 EAST SKELLY DRIVE; TULSA, OK 74135 | | |

Location of Release Source

Latitude N 32.742557 Longitude W -103.718072
(NAD 83 in decimal degrees to 5 decimal places)

| | | | |
|-------------------------|---------------------|----------------------|--------------|
| Site Name | CAVINESS 8 INCH PPL | Site Type | PIPELINE ROW |
| Date Release Discovered | 01/07/2021 | API# (if applicable) | N/A |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|----------------|
| O | 13 | 18S | 32E | LEA COUNTY, NM |

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

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

| | | |
|--|--|---|
| <input checked="" type="checkbox"/> Crude Oil | Volume Released (bbls) 65 BBLS | Volume Recovered (bbls) 45 BBLS |
| <input checked="" type="checkbox"/> Produced Water | Volume Released (bbls) 20 BBLS | Volume Recovered (bbls) 10 BBLS |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| <input type="checkbox"/> Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| <input type="checkbox"/> Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |

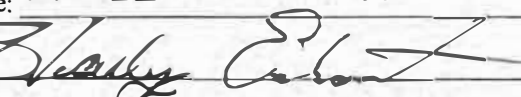
Cause of Release

A HOLE IN AN 8 INCH PIPELINE CAUSE THE OIL AND PRODUCED WATER SPILL

| | |
|---|--|
| Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="checked" type="checkbox"/> Yes <input type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release? THE SPILL HAS A VOLUME GREATER THAN 25 BBLS |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? YES, BY HARLEY EVERHART OF FRONTIER FIELD SERVICES TO KERRY FULTNER OF NMOCD VIA TELEPHONE | |

Initial Response

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

| | |
|---|---|
| <p><input type="checkbox"/> The source of the release has been stopped.</p> <p><input type="checkbox"/> The impacted area has been secured to protect human health and the environment.</p> <p><input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.</p> <p><input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.</p> | |
| <p>If all the actions described above have <u>not</u> been undertaken, explain why:</p> | |
| <p>Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.</p> | |
| <p>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.</p> | |
| <p>Printed Name: <u>HARLEY EVERHART</u></p> <p>Signature: <u></u></p> <p>email: <u>HEVERHART@DURANGOMIDSTREAM.COM</u></p> | <p>Title: <u>EHS ANALYST</u></p> <p>Date: <u>01/18/21</u></p> <p>Telephone: <u>575-513-4922</u></p> |
| <p><u>OCD Only</u></p> | |
| <p>Received by: <u>Ramona Marcus</u> Date: <u>9/10/2021</u></p> | |

| | |
|----------------|----------------|
| Incident ID | NAPP2101836808 |
| District RP | |
| Facility ID | |
| Application ID | |

Closure

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

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

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

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

Printed Name: Harley Everhart Title: EHS Analyst
Signature: Harley Everhart Date: 8/4/2021
email: heverhart@durangomidstream.com Telephone: 575-513-4922

OCD Only

Received by: Chad Hensley Date: 10/04/2021

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Chad Hensley Date: 10/04/2021
Printed Name: Chad Hensley Title: Environmental Specialist Advanced

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 46308

CONDITIONS

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|--|---|
| Operator: FRONTIER FIELD SERVICES, LLC 10077 Grogans Mill Rd. The Woodlands, TX 77380 | OGRID: 221115 |
| | Action Number: 46308 |
| | Action Type: [C-141] Release Corrective Action (C-141) |

CONDITIONS

| | | |
|------------|-----------|----------------|
| Created By | Condition | Condition Date |
| chensley | None | 10/4/2021 |