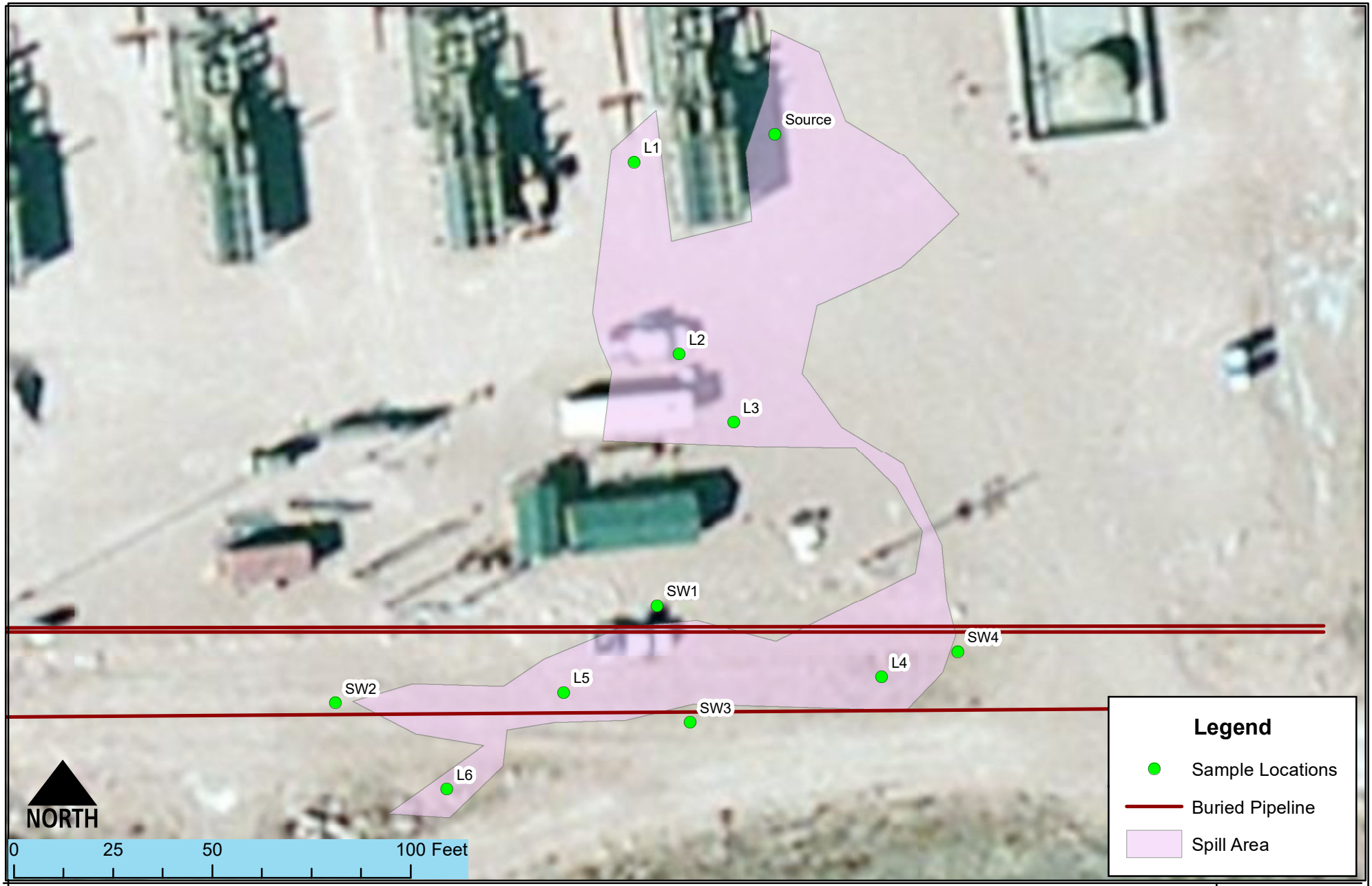


*Site and Sample Location Map*
*Coyote Compressor Station - Lucid*
*C 9-T25S-R27E, New Mexico*

Figure 2

Date Saved: 6/19/2017

Revisions
By: Date: Descr:
By: Date: Descr:



Drawn Heather Patterson
Checked
Approved

SMA
201 South Halaguena Street
Carlsbad, New Mexico 88221
(575) 689-7040
www.soudermiller.com
Serving the Southwest & Rocky Mountains

# Coyote Station Sample Summary

Table 3.

| Sample Number on Figure 2 | Sample Date | Depth (feet bgs) | Proposed Action | BTEX ppm | Benzene mg/Kg | GRO mg/Kg | DRO mg/Kg | MRO mg/Kg | **Total TPH** mg/Kg | Cl- Laboratory mg/Kg |
|---|---|---|---|---|---|---|---|---|---|---|
| NMOCD RRAL's for Site Ranking 0 | | | | 50 mg/Kg | 10 mg/Kg | | | | 5000 mg/Kg | |
| Source | 5/31/2017 | 0.5 | excavated | <0.094 | <0.024 | <4.7 | 160 | 210 | 370 | **5700** |
| L1 | 6/9/2017 | 0.5 | excavated | <0.096 | <0.024 | | | | 3500 | 790 |
| | 6/9/2017 | 1 | excavated | 0.46 | <0.023 | | | | **11000** | 1000 |
| L2 | 6/9/2017 | 0.5 | excavated | -- | -- | -- | -- | -- | -- | 91 |
| | 6/9/2017 | 1 | in-situ | -- | -- | -- | -- | -- | -- | 130 |
| | 6/9/2017 | 2 | in-situ | <0.098 | <0.024 | | | | 21 | 220 |
| L3 | 6/9/2017 | 1 | in-situ | -- | -- | -- | -- | -- | **--** | 55 |
| | 6/9/2017 | 3 | in-situ | -- | -- | -- | -- | -- | **--** | 35 |
| | 6/9/2017 | 4.5 | in-situ | -- | -- | -- | -- | -- | 38 | 49 |
| L4 | 6/9/2017 | 0.5 | excavated | -- | -- | -- | -- | -- | -- | **4000** |
| | 6/9/2017 | 1.5 | excavated | -- | -- | -- | -- | -- | -- | 510 |
| | 6/9/2017 | 2.5 | excavated | <0.094 | <0.023 | | | | 4500 | 720 |
| | 9/14/2017 | 3 | excavated | -- | -- | 6.2 | 3500 | 2400 | **5906.2** | -- |
| | 10/16/2017 | 3.5 | in-situ | -- | -- | <4.7 | 16 | <44 | 16 | -- |
| L5 | 6/9/2017 | 0.5 | excavated | -- | -- | -- | -- | -- | -- | 280 |
| | 6/9/2017 | 2 | excavated | -- | -- | -- | -- | -- | -- | 73 |
| | 6/9/2017 | 3.5 | excavated | 5.5 | <0.12 | | | | **25000** | 80 |
| | 9/14/2017 | 4 | in-situ | -- | -- | <4.7 | 1100 | 960 | 2060 | -- |
| L6 | 6/9/2017 | 0.5 | in-situ | <0.096 | <0.024 | | | | 110 | 830 |
| SW1 | 6/9/2017 | comp | in-situ | <0.094 | <0.023 | | | | <19 | 120 |
| SW2 | 6/9/2017 | comp | in-situ | <0.096 | <0.024 | | | | 61 | 40 |
| SW3 | 6/9/2017 | comp | in-situ | <0.097 | <0.024 | | | | <19 | 39 |
| SW4 | 6/9/2017 | comp | in-situ | <0.095 | <0.024 | | | | 42 | <30 |
| BG1 | 6/9/2017 | 1 | in-situ | -- | -- | -- | -- | -- | -- | 170 |
| | 6/9/2017 | 2 | in-situ | -- | -- | -- | -- | -- | -- | 120 |

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

September 21, 2017

Austin Weyant

Souder, Miller & Associates
201 S Halagueno
Carlsbad, NM 88221
TEL: (575) 689-7040
FAX

RE: Coyote OrderNo.: 1709919

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 2 sample(s) on 9/15/2017 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 #NM0190

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

**Analytical Report**
Lab Order **1709919**
Date Reported: **9/21/2017**

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Souder, Miller & Associates
**Client Sample ID:** L4-3
**Project:** Coyote
**Collection Date:** 9/14/2017 9:05:00 AM
**Lab ID:** 1709919-001 **Matrix:** SOIL **Received Date:** 9/15/2017 9:30:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **JME** | |
| Diesel Range Organics (DRO) | 3500 | 92 | | mg/Kg | 10 | 9/20/2017 5:37:23 PM | 33944 |
| Motor Oil Range Organics (MRO) | 2400 | 460 | | mg/Kg | 10 | 9/20/2017 5:37:23 PM | 33944 |
| Surr: DNOP | 0 | 70-130 | S | %Rec | 10 | 9/20/2017 5:37:23 PM | 33944 |
| **EPA METHOD 8015D: GASOLINE RANGE** | | | | | | Analyst: **NSB** | |
| Gasoline Range Organics (GRO) | 6.2 | 4.8 | | mg/Kg | 1 | 9/19/2017 2:41:39 PM | 33919 |
| Surr: BFB | 126 | 54-150 | | %Rec | 1 | 9/19/2017 2:41:39 PM | 33919 |

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 Quanitative Limit | RL | Reporting Detection Limit |
| S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Souder, Miller & Associates
**Client Sample ID:** L5-4
**Project:** Coyote
**Collection Date:** 9/14/2017 9:07:00 AM
**Lab ID:** 1709919-002
**Matrix:** SOIL
**Received Date:** 9/15/2017 9:30:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **JME** | |
| Diesel Range Organics (DRO) | 1100 | 93 | | mg/Kg | 10 | 9/20/2017 6:05:59 PM | 33944 |
| Motor Oil Range Organics (MRO) | 960 | 470 | | mg/Kg | 10 | 9/20/2017 6:05:59 PM | 33944 |
| Surr: DNOP | 0 | 70-130 | S | %Rec | 10 | 9/20/2017 6:05:59 PM | 33944 |
| **EPA METHOD 8015D: GASOLINE RANGE** | | | | | | Analyst: **NSB** | |
| Gasoline Range Organics (GRO) | ND | 4.7 | | mg/Kg | 1 | 9/19/2017 8:09:35 PM | 33919 |
| Surr: BFB | 98.3 | 54-150 | | %Rec | 1 | 9/19/2017 8:09:35 PM | 33919 |

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 Quanitative Limit | RL | Reporting Detection Limit |
| S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **1709919**

***21-Sep-17***

**Client:** Souder, Miller & Associates

**Project:** Coyote

| Sample ID | **MB-33944** | SampType: | **MBLK** | TestCode: | **EPA Method 8015M/D: Diesel Range Organics** |
|---|---|---|---|---|---|
| Client ID: | **PBS** | Batch ID: | **33944** | RunNo: | **45741** |
| Prep Date: | **9/19/2017** | Analysis Date: | **9/20/2017** | SeqNo: | **1452485** 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-33944** | SampType: | **LCS** | TestCode: | **EPA Method 8015M/D: Diesel Range Organics** |
|---|---|---|---|---|---|
| Client ID: | **LCSS** | Batch ID: | **33944** | RunNo: | **45741** |
| Prep Date: | **9/19/2017** | Analysis Date: | **9/20/2017** | SeqNo: | **1453129** Units: **mg/Kg** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | 47 | 10 | 50.00 | 0 | 93.9 | 73.2 | 114 | | | |
| Surr: DNOP | 4.8 | | 5.000 | | 95.3 | 70 | 130 | | | |

**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 Quanitative Limit | RL | Reporting Detection Limit |
| S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **1709919**

***21-Sep-17***

**Client:** Souder, Miller & Associates

**Project:** Coyote

| Sample ID | **MB-33919** | SampType: | **MBLK** | TestCode: | **EPA Method 8015D: Gasoline Range** | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | **PBS** | Batch ID: | **33919** | RunNo: | **45719** | | | | | |
| Prep Date: | **9/18/2017** | Analysis Date: | **9/19/2017** | SeqNo: | **1452000** | 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 | 990 | | 1000 | | 99.2 | 54 | 150 | | | |

| Sample ID | **LCS-33919** | SampType: | **LCS** | TestCode: | **EPA Method 8015D: Gasoline Range** | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | **LCSS** | Batch ID: | **33919** | RunNo: | **45719** | | | | | |
| Prep Date: | **9/18/2017** | Analysis Date: | **9/19/2017** | SeqNo: | **1452001** | Units: | **mg/Kg** | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 31 | 5.0 | 25.00 | 0 | 123 | 76.4 | 125 | | | |
| Surr: BFB | 1200 | | 1000 | | 121 | 54 | 150 | | | |

| Sample ID | **MB-33922** | SampType: | **MBLK** | TestCode: | **EPA Method 8015D: Gasoline Range** | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | **PBS** | Batch ID: | **33922** | RunNo: | **45719** | | | | | |
| Prep Date: | **9/18/2017** | Analysis Date: | **9/19/2017** | SeqNo: | **1452007** | Units: | **%Rec** | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: BFB | 1000 | | 1000 | | 104 | 54 | 150 | | | |

| Sample ID | **LCS-33922** | SampType: | **LCS** | TestCode: | **EPA Method 8015D: Gasoline Range** | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | **LCSS** | Batch ID: | **33922** | RunNo: | **45719** | | | | | |
| Prep Date: | **9/18/2017** | Analysis Date: | **9/19/2017** | SeqNo: | **1452008** | Units: | **%Rec** | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: BFB | 1200 | | 1000 | | 116 | 54 | 150 | | | |

**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 Quanitative Limit | RL | Reporting Detection Limit |
| S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

# Sample Log-In Check List

Client Name: SMA-CARLSBAD Work Order Number: 1709919 RcptNo: 1

Received By: **Isaiah Ortiz** 9/15/2017 9:30:00 AM

Completed By: **Sophia Campuzano** 9/18/2017 11:47:11 AM

Reviewed By: IMO 9/18/2017

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Custody seals intact on sample bottles? | Yes ☐ | No ☐ | Not Present ☑ |
| 2. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 3. How was the sample delivered? | UPS | | |

## Log In

| | | | |
|---|---|---|---|
| 4. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 5. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☑ | No ☐ | NA ☐ |
| 6. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | |
| 7. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 8. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 9. Was preservative added to bottles? | Yes ☐ | No ☑ | NA ☐ |
| 10. VOA vials have zero headspace? | Yes ☐ | No ☐ | No VOA Vials ☑ |
| 11. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 12. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | # of preserved bottles checked for pH: _____ (<2 or >12 unless noted) |
| 13. Are matrices correctly identified on Chain of Custody? | Yes ☑ | No ☐ | Adjusted? |
| 14. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 15. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ☑ | No ☐ | Checked by: |

## Special Handling (if applicable)

16. 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: _____

17. Additional remarks:

18. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 1.7 | Good | Yes | | | |

# Chain-of-Custody Record

Client: SMA - Carlsbad

Mailing Address:

Phone #:

email or Fax#:

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

Accreditation
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time: 5 day turn
☒ Standard ☐ Rush

Project Name: Coyote

Project #:

Project Manager: Austin Weygant

Sampler: Heather Patterson

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.7


**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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


**Analysis Request**

| Date | Time | Matrix | Sample Request ID | Container Type and # | Preservative Type | HEAL No. 1709919 | BTEX + MTBE + TMB's (8021) | BTEX + MTBE + TPH (Gas only) | TPH 8015B (GRO / DRO / MRO) | TPH (Method 418.1) | EDB (Method 504.1) | PAH's (8310 or 8270 SIMS) | RCRA 8 Metals | Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$) | 8081 Pesticides / 8082 PCB's | 8260B (VOA) | 8270 (Semi-VOA) | | | | | Air Bubbles (Y or N) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9/14/17 | 9:05 | Soil | L4-@3 | 4oz | | -001 | | | X | | | | | | | | | | | | | |
| 9/14/17 | 9:07 | Soil | L5-4 | 4oz | | -002 | | | X | | | | | | | | | | | | | |

Date: 9/14/17 Time: Relinquished by:

Received by: Date: 9/15/17 Time: 0930

Date: Time: Relinquished by:

Received by: Date: Time:

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

UPS

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

October 17, 2017

Austin Weyant
Souder, Miller & Associates
201 S Halagueno
Carlsbad, NM 88221
TEL: (575) 689-7040
FAX

RE: Coyote OrderNo.: 1710762

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 1 sample(s) on 10/13/2017 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 #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

**Analytical Report**
Lab Order **1710762**
Date Reported: **10/17/2017**

**CLIENT:** Souder, Miller & Associates
**Client Sample ID:** L4
**Project:** Coyote
**Collection Date:** 10/11/2017 12:08:00 PM
**Lab ID:** 1710762-001 **Matrix:** SOIL **Received Date:** 10/13/2017 9:15:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** | | | | | | Analyst: **TOM** | |
| Diesel Range Organics (DRO) | 16 | 8.9 | | mg/Kg | 1 | 10/16/2017 11:45:12 AM | 34401 |
| Motor Oil Range Organics (MRO) | ND | 44 | | mg/Kg | 1 | 10/16/2017 11:45:12 AM | 34401 |
| Surr: DNOP | 92.6 | 70-130 | | %Rec | 1 | 10/16/2017 11:45:12 AM | 34401 |
| **EPA METHOD 8015D: GASOLINE RANGE** | | | | | | Analyst: **NSB** | |
| Gasoline Range Organics (GRO) | ND | 4.7 | | mg/Kg | 1 | 10/16/2017 9:56:25 AM | 34399 |
| Surr: BFB | 97.8 | 54-150 | | %Rec | 1 | 10/16/2017 9:56:25 AM | 34399 |

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 Quanitative Limit | RL | Reporting Detection Limit |
| S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **1710762**

***17-Oct-17***

**Client:** Souder, Miller & Associates

**Project:** Coyote

| Sample ID | **LCS-34401** | SampType: | **LCS** | | TestCode: | **EPA Method 8015M/D: Diesel Range Organics** | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | **LCSS** | Batch ID: | **34401** | | RunNo: | **46361** | | | | |
| Prep Date: | **10/13/2017** | Analysis Date: | **10/16/2017** | | SeqNo: | **1476752** | Units: | **mg/Kg** | | |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Diesel Range Organics (DRO) | 46 | 10 | 50.00 | 0 | 92.3 | 73.2 | 114 | | | |
| Surr: DNOP | 4.6 | | 5.000 | | 92.8 | 70 | 130 | | | |

| Sample ID | **MB-34401** | SampType: | **MBLK** | | TestCode: | **EPA Method 8015M/D: Diesel Range Organics** | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | **PBS** | Batch ID: | **34401** | | RunNo: | **46361** | | | | |
| Prep Date: | **10/13/2017** | Analysis Date: | **10/16/2017** | | SeqNo: | **1476753** | 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 | 8.9 | | 10.00 | | 89.0 | 70 | 130 | | | |

**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 Quanitative Limit | RL | Reporting Detection Limit |
| S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **1710762**

***17-Oct-17***

**Client:** Souder, Miller & Associates

**Project:** Coyote

| Sample ID | **MB-34399** | SampType: | **MBLK** | TestCode: | **EPA Method 8015D: Gasoline Range** | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | **PBS** | Batch ID: | **34399** | RunNo: | **46367** | | | | | |
| Prep Date: | **10/13/2017** | Analysis Date: | **10/16/2017** | SeqNo: | **1477828** | 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 | 970 | | 1000 | | 96.9 | 54 | 150 | | | |

| Sample ID | **LCS-34399** | SampType: | **LCS** | TestCode: | **EPA Method 8015D: Gasoline Range** | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | **LCSS** | Batch ID: | **34399** | RunNo: | **46367** | | | | | |
| Prep Date: | **10/13/2017** | Analysis Date: | **10/16/2017** | SeqNo: | **1477829** | Units: | **mg/Kg** | | | |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Gasoline Range Organics (GRO) | 29 | 5.0 | 25.00 | 0 | 116 | 75.9 | 131 | | | |
| Surr: BFB | 1100 | | 1000 | | 108 | 54 | 150 | | | |

**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 Quanitative Limit | RL | Reporting Detection Limit |
| S | % Recovery outside of range due to dilution or matrix | W | Sample container temperature is out of limit as specified |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

# Sample Log-In Check List

Client Name: **SMA-CARLSBAD** Work Order Number: **1710762** RcptNo: **1**

Received By: **Richie Eriacho** **10/13/2017 9:15:00 AM**

Completed By: **Ashley Gallegos** **10/13/2017 9:32:10 AM**

Reviewed By: DDS 10/13/17

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Custody seals intact on sample bottles? | Yes ☐ | No ☐ | Not Present ☑ |
| 2. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 3. How was the sample delivered? | Courier | | |

## Log In

| | | | |
|---|---|---|---|
| 4. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 5. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☑ | No ☐ | NA ☐ |
| 6. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | |
| 7. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 8. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 9. Was preservative added to bottles? | Yes ☐ | No ☑ | NA ☐ |
| 10. VOA vials have zero headspace? | Yes ☐ | No ☐ | No VOA Vials ☑ |
| 11. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 12. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | |
| 13. Are matrices correctly identified on Chain of Custody? | Yes ☑ | No ☐ | |
| 14. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 15. 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)

16. 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: _____

17. Additional remarks:

18. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 4.1 | Good | Yes | | | |

# Chain-of-Custody Record

Client: SMA

Mailing Address:

Phone #:

email or Fax#:

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

Accreditation
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard ☒ Rush

Project Name: Coyote

Project #:

Project Manager: Austin Weigant

Sampler: TMF

On Ice: ☒ Yes ☐ No

Sample Temperature: 4.


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4901 Hawkins NE - Albuquerque, NM 87109

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


| Date | Time | Matrix | Sample Request ID | Container Type and # | Preservative Type | HEAL No. |
|---|---|---|---|---|---|---|
| 10/11/17 | 12:08 | Soil | L4 | 4oz | | 1710762 -001 |

Analysis Request

| BTEX + MTBE + TMB's (8021) | BTEX + MTBE + TPH (Gas only) | TPH 8015B (GRO / DRO / MRO) | TPH (Method 418.1) | EDB (Method 504.1) | PAH's (8310 or 8270 SIMS) | RCRA 8 Metals | Anions ($F,Cl,NO_3,NO_2,PO_4,SO_4$) | 8081 Pesticides / 8082 PCB's | 8260B (VOA) | 8270 (Semi-VOA) | | | | | Air Bubbles (Y or N) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | X | | | | | | | | | | | | | |

| Date | Time | Relinquished by: | Received by: | Date | Time |
|---|---|---|---|---|---|
| 10/11/17 | ~~1702~~ 0900 | | | 10/12/17 | 0900 |
| Date: | Time: | Relinquished by: | Received by: | Date | Time |
| 10/12/17 | 1900 | | | 10/13/17 | 0915 |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.