



May 14, 2019

#5E27960 – BG6

NMOCD District 2
 811 S. First St.
 Artesia, NM 88210

SUBJECT: Remediation Closure Report for the Janie Conner Tank Battery Release (2RP-5289), Eddy County New Mexico

To Whom it May Concern:

On behalf of Matador Resources, Souder, Miller & Associates (SMA) has prepared this Remediation Closure Report that describes the remediation of a release of liquids related to oil and gas production activities at the Janie Conner Tank Battery. The site is in Unit A, Section 14, Township 24S, Range 28E, Eddy County, New Mexico, on private land. Figure 1 illustrates the vicinity and site location on an USGS 7.5-minute quadrangle map.

Table 1 summarizes release information and Closure Criteria.

| Table 1: Release Information and Closure Criteria | | | |
|--|---|------------------------|---------------------------------------|
| Name | Janie Conner Tank Battery | Company | Matador Resources |
| API Number | N/A | Location | 32.2219634, -104.0504256 |
| Incident Number | 2RP-5289 | | |
| Estimated Date of Release | 2/19/2019 | Date Reported to NMOCD | 2/20/2019 |
| Land Owner | Private | Reported To | NMOCD District II |
| Source of Release | Equipment Failure at the Heater Treater | | |
| Released Volume | 24 bbls | Released Material | Crude Oil w/ traces of Produced Water |
| Recovered Volume | 6 bbls | Net Release | 18 bbls |
| NMOCD Closure Criteria | <50 feet to groundwater | | |
| SMA Response Dates | 2/19/2019 4/2/2019 4/25/2019 4/26/2019 | | |

1.0 Background

On February 19, 2019, a release was discovered at the Janie Conner Tank Battery due to equipment failure at the heater treater. The release traveled down surface lines to the west and eventually to the buried production pipeline to the buried pipeline right-of-way (ROW) directly south of location. Initial response activities were conducted by the operator, and included source elimination, site security and stabilization activities which led to the recovery six barrels of standing fluid that was disposed of at an NMOCD approved facility. Figures 1 and 2 illustrate the vicinity and site location, Figure 3 illustrates the release location. The C-141 form is included in Appendix A.

2.0 Site Information and Closure Criteria

The Janie Conner Tank Battery is located in Malaga, New Mexico on privately-owned land at an elevation of approximately 2981 feet above mean sea level (amsl).

Based upon New Mexico Office of the State Engineer (NMOSE) data (Appendix B), depth to groundwater in the area is estimated to be 35-40 feet below grade surface (bgs). There are five known water sources within ½-mile of the location, according to NMOSE online water well database (https://gis.ose.state.nm.us/gisapps/ose_pod_locations/; accessed 2/22/2019) and the USGS online water well database. The nearest significant watercourse is an unnamed canal, located approximately 230 feet to the north. Figure 2 illustrates the site with 200 and 300-foot radii to indicate that it lies within a sensitive area as described in 19.15.29.12.C(4) NMAC; however, this does not change the NMOCD Closure Criteria Stands for this site.

Based on the information presented herein, the applicable NMOCD Closure Criteria for this site is for a groundwater depth of less than 50 feet bgs. The site has been restored to meet the standards of Table I of 19.15.29.12 NMAC and NMOCD District II approved background chloride concentrations.

Table 2 demonstrates the Closure Criteria applicable to this location. Pertinent well data is attached in Appendix B.

3.0 Release Characterization and Remediation Activities

On February 19, 2019, SMA personnel arrived on site in response to the release associated with Janie Conner Tank Battery. SMA performed site delineation activities by collecting soil samples around the release site and throughout the visibly stained area. A total of three sample locations (L1-L3) were investigated using a hand-auger, to depths up to 2 feet bgs. A minimum of two samples were collected at each sampling location. A total of eight samples were collected for laboratory analysis of total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel and gasoline range organics (MRO, DRO, and GRO) by EPA Method 8015D. Table 3 itemizes the samples and field-screening results as well as identifying any variances from the typical specification of two samples per boring. Locations for initial samples are depicted on Figure 4A.

Because the site is located in an irrigated river valley which has been characterized by naturally high chloride concentrations in the past, SMA returned to the location to establish several background locations to document this trend. On April 2nd, SMA conducted a background sampling event, establishing four background sample locations up- and down-gradient of the site, to depths up to 10 and 12 feet bgs (JC, JC2, JC3 and JC4). Thirteen of the collected samples were submitted for laboratory analysis for total chloride using EPA Method 300.0. Resulting chloride concentrations varied from 130 mg/kg to 9900 mg/kg (Table 3 & Figure 3).

Prior to the construction of the Janie Conner Tank Battery, SMA conducted a baseline sampling event for Matador Resources in late 2016. Three sample locations were established on undisturbed land during this sampling event (P1-P3; Figure 3) and returned the chloride concentrations of 170 mg/kg, 1600 mg/kg and 1800 mg/kg, respectively (Table 3). The data was a portion of a collective report on the Background Soil Data around Malaga/Loving, Eddy County, New Mexico that has been previously submitted to NMOCD in conjunction with other projects (Appendix F).

The data collected from the background and baseline sampling events was discussed in a meeting with NMOCD District II in Artesia, NM on April 15th, 2019. During the meeting, it was discussed that several soil types and soil type mixtures in the Loving and Malaga area will return high sodium chloride levels in the absence of oil and gas production activities. This is not only naturally occurring in several saline soil types in the area, but also a result of poor agricultural and irrigation practices in the area over the past century. This also explains why samples at different depths and different sample locations can range from such a low level to drastically higher. At the conclusion of the meeting, it was understood by SMA that NMOCD would accept an adjusted closure criteria of 1800 mg/kg for chloride reflective of the baseline samples collected prior to oil and gas activity at the location of the Janie Conner Tank Battery.

On April 25 and 26, 2019, SMA returned to the site to oversee the excavation and hydro excavation of contaminated soil. Any part of the release area what was within 2 feet of buried or surface pipelines was removed using hydro-excavation, as per Matador's safety policy. SMA guided the excavation activities by collecting confirmation soil samples for field screening. The walls and base were excavated until field screening results indicated that the NMOCD Closure Criteria specific to the location would be met. The area around sample location L1 was excavated to 3 feet bgs, while the remainder of the release area (represented by L2 and L3) was excavated to a depth of 2 feet bgs. NMOCD was notified on April 23, 2019 that closure samples were expected to be collected in two (2) business days.

The confirmation samples were collected from within the excavation in accordance with a systematic sampling approach detailed in Appendix C. This systematic method meets the EPA's data quality assessment standards (DQA) for composite sampling as defined by (Myers 1997). Confirmation samples were comprised of five-point composites of the base (BH1-BH4) and walls (SW1 – SW5).

Laboratory results indicated that the sample area represented by location BH2 exceeded the site-specific standard for chloride. On May 5, 2019, SMA returned to the location to collect another composite sample from the bottom of the excavation. No further excavation was required.

A total of nine samples were collected for laboratory analysis for total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel and gasoline range organics (MRO, DRO, and GRO) by EPA Method 8015D. Laboratory samples were collected in accordance with the sampling protocol included in Appendix C. Samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to Hall Environmental Analysis Laboratory in Albuquerque, New Mexico (Appendix D).

Figure 4B shows the extent of the excavation and confirmation sample locations. Laboratory results are summarized in Table 3. Laboratory reports are included in Appendix D.

Contaminated soils were removed and replaced with clean backfill material to return the surface to previous contours. The contaminated soil was transported and disposed of at an NMOCD permitted disposal facility.

4.0 Scope and Limitations

The scope of our services included: assessment sampling; verifying release stabilization; regulatory liaison; remediation; and preparing this closure report. All work has been performed in accordance with generally accepted professional environmental consulting practices for oil and gas releases in the Permian Basin in New Mexico.

If there are any questions regarding this report, please contact either Melodie R. Sanjari at 574-370-9782 or Shawna Chubbuck at 505-325-7535.

Submitted by:
SOUDER, MILLER & ASSOCIATES

Reviewed by:



Melodie Sanjari
Staff Scientist

Shawna Chubbuck
Senior Scientist

ATTACHMENTS:

Figures:

Figure 1: Vicinity and Well Head Protection Map

Figure 2: Surface Water Radius Map

Figure 3: Background Sample Locations

Figure 4A: Initial Site and Sample Location Map

Figure 4B: Excavation and Confirmation Closure Sample Map

Tables:

Table 2: NMOCD Closure Criteria Justification

Table 3: Summary of Sample Results

Appendices:

Appendix A: C141: Initial & Final

Appendix B: NMOSE Wells Report

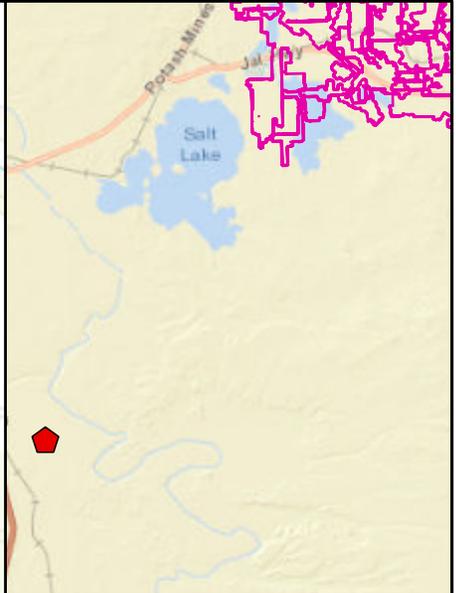
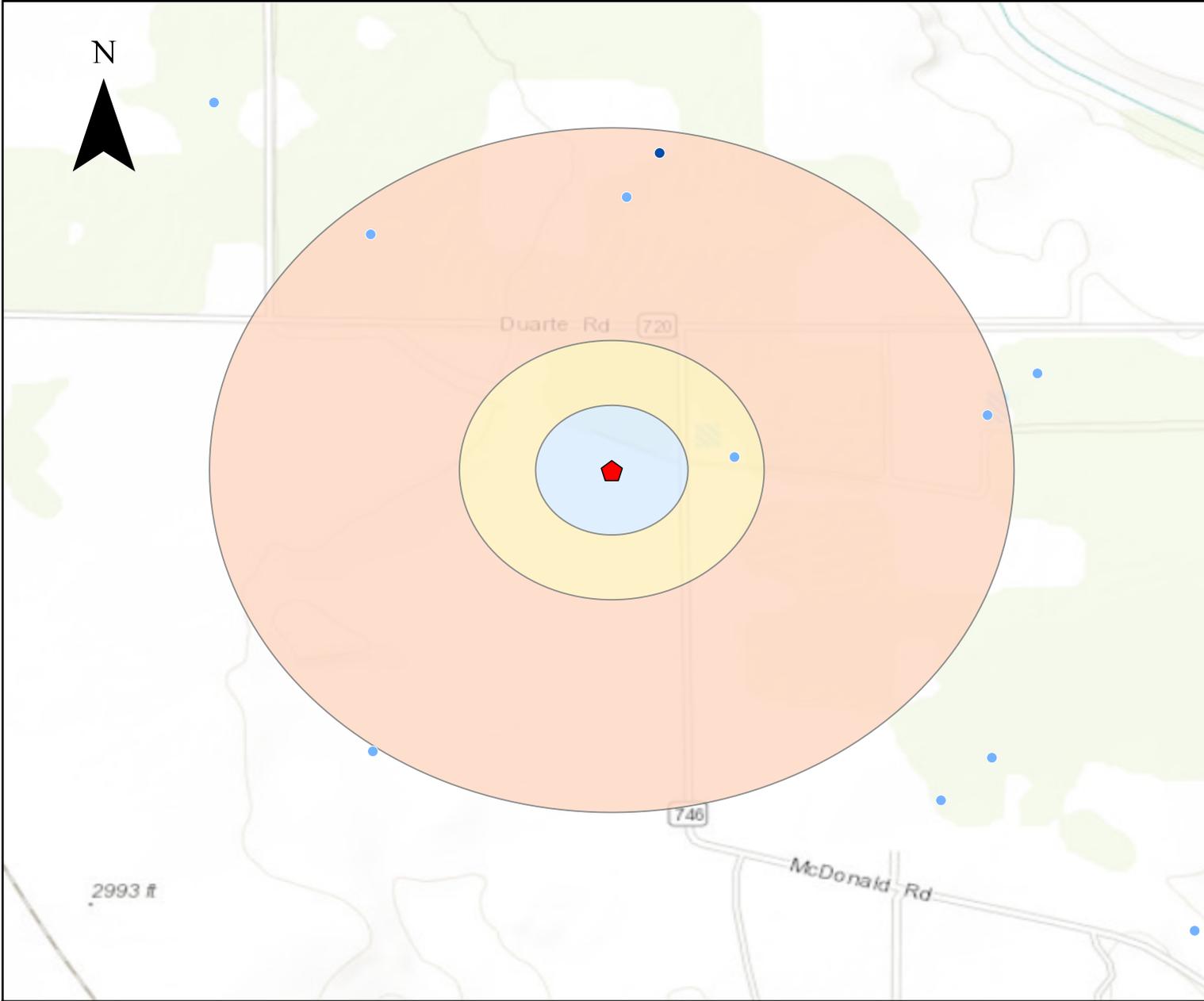
Appendix C: VSP Sampling Protocol

Appendix D: Laboratory Analytical Reports

Appendix E: Excavation Photo

Appendix F: Background Soil Data Report in the Loving/Malaga Area of Eddy County, NM

FIGURES



— Mine Workings
▣ Point of Release
● OSE Waterwells
● USGS Waterwells

Buffer Distance

.5 Mile
 1000 Feet
 500 Feet

1,000
 Feet

Regional Vicinity & Wellhead Protection Map
Janie Conner Tank Battery - Matador Resources

Figure 1

P:\5-Matador 2019 MSA (5E27961)\GIS\ARC\GIS\MATADOR_MIT.aprx

| Revisions | | |
|-----------|-------------|--------------|
| By: _____ | Date: _____ | Descr: _____ |
| By: _____ | Date: _____ | Descr: _____ |

Date Saved: 2/21/2019

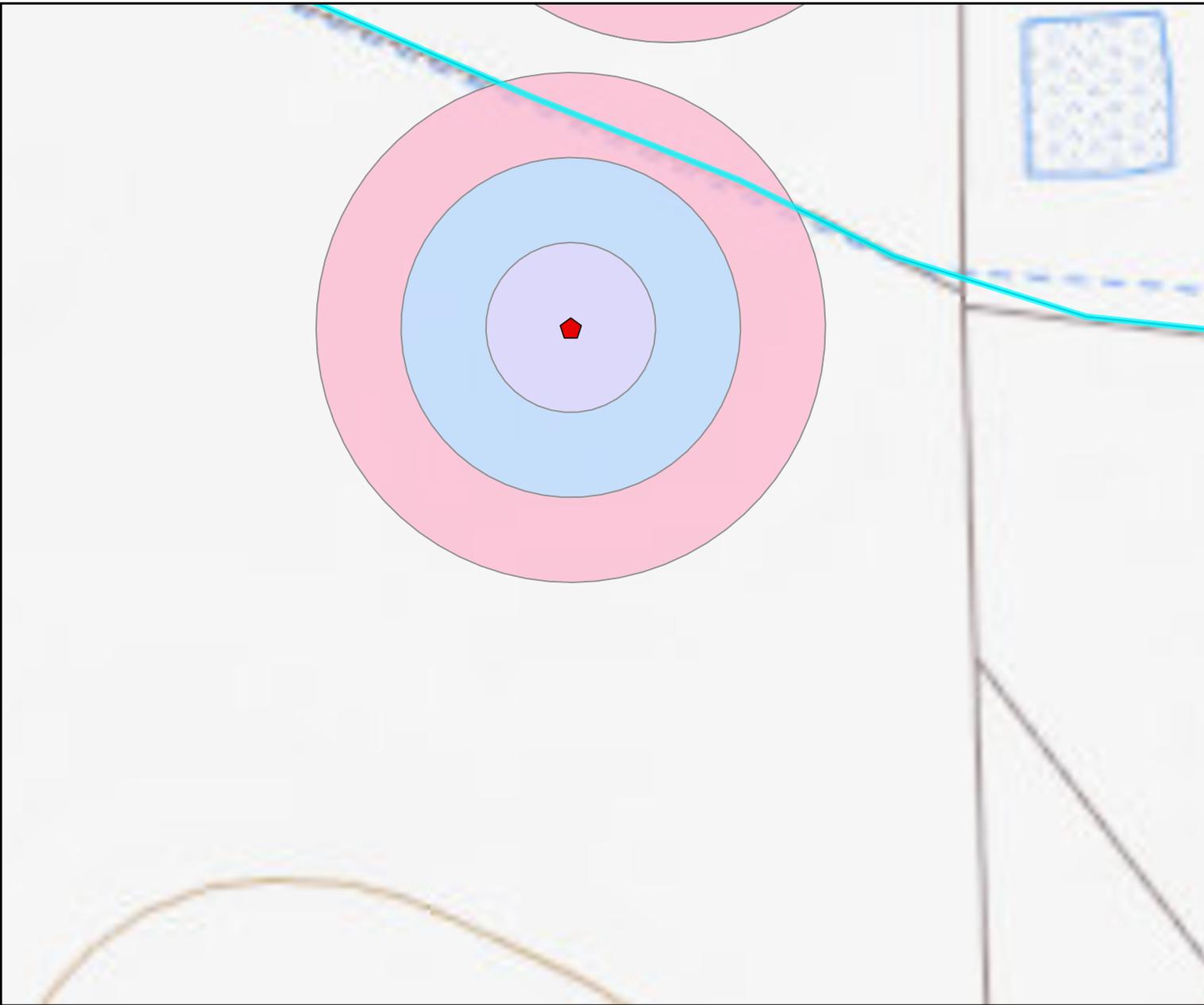
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| | |
|----------|-----------|
| Drawn | MRS |
| Date | 2/21/2019 |
| Checked | _____ |
| Approved | _____ |

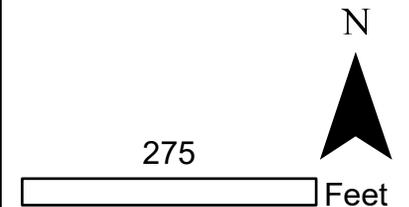


201 South Halaguena Street
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-  Point of Release
 -  Springs Seeps
 -  Streams Canals
 -  Rivers
 -  NM Wetlands
 -  Lakes Playas
 -  FEMA Flood Zones 2011
- Buffer Distance**
-  100 Feet
 -  200 Feet
 -  300 Feet



*Janie Conner Tank Battery - Matador Resources
Surface Water Protection Map*

Figure 2

| Revisions | | |
|-----------|-------------|--------------|
| By: _____ | Date: _____ | Descr: _____ |
| By: _____ | Date: _____ | Descr: _____ |

Date Saved:
2/21/2019

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| | |
|----------|------------------|
| Drawn | _____ |
| Date | <u>2/21/2019</u> |
| Checked | _____ |
| Approved | _____ |



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- Background Sample Locations
- Release Area



380
 Feet

*Background Sample Location Map
 Janie Conner Tank Battery- Matador Resources*

Figure 3

Revisions

| By: | Date: | Descr: |
|-------|-------|--------|
| _____ | _____ | _____ |
| _____ | _____ | _____ |

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| | |
|----------|----------------------|
| Drawn | _____ |
| Date | 5/14/2019 |
| Checked | _____ |
| Approved | _____ |



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- Sample Locations
- Point of Release
- Pipelines
- Release Area



71
 Feet

*Matador Resources
 Janie Conner Tank Battery -
 Initial Site & Sample Location Map*

Figure 4A

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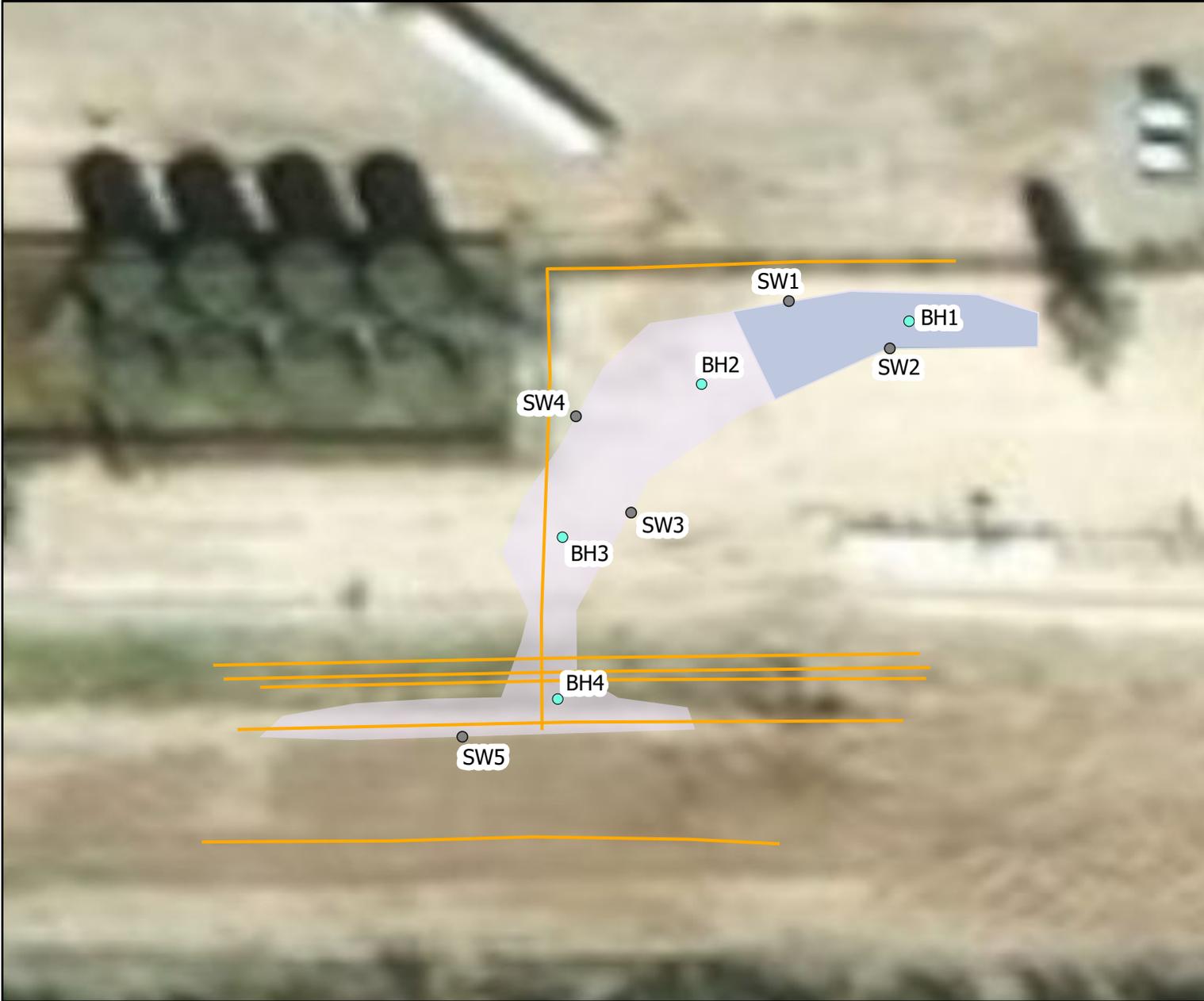
| Revisions | | |
|-----------|-------------|--------------|
| By: _____ | Date: _____ | Descr: _____ |
| By: _____ | Date: _____ | Descr: _____ |

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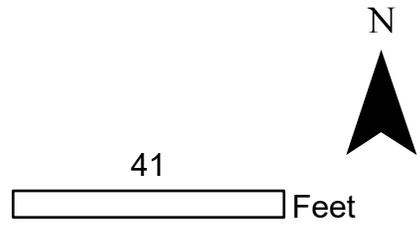
| | |
|----------|-----------|
| Drawn | _____ |
| Date | 2/26/2019 |
| Checked | _____ |
| Approved | _____ |



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- SW Sample Locations
- BH Sample Locations
- Pipelines
- Excavated to 2'
- Excavated to 3'



Closure Sample and Excavation Map
 Janie Conner Tank Battery - Matador Resources
 Malaga, New Mexico

Figure 4B

Revisions

| By: | Date: | Descr: |
|-----|-------|--------|
| | | |
| | | |

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| | |
|----------|----------|
| Drawn | |
| Date | 5/2/2019 |
| Checked | |
| Approved | |



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TABLES

Table 2:
NMOCD Closure Criteria

Matador Resources
Janie Conner Tank Battery

| Site Information (19.15.29.11.A(2, 3, and 4) NMAC) | | Source/Notes |
|---|-------|----------------------------------|
| Depth to Groundwater (feet bgs) | 35-40 | OSE |
| Horizontal Distance From All Water Sources Within 1/2 Mile (ft) | | 810; 2160; 2490; 2550 OSE & USGS |
| Horizontal Distance to Nearest Significant Watercourse (ft) | 230 | Canal to the North |

| Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC) | | | | | | |
|---|-----------|---|------|-----------|------|---------|
| Depth to Groundwater | | Closure Criteria (units in mg/kg) | | | | |
| | | Chloride *numerical limit or background, whichever is greater | TPH | GRO + DRO | BTEX | Benzene |
| < 50' BGS | | 1800 | 100 | | 50 | 10 |
| 51' to 100' | | 10000 | 2500 | 1000 | 50 | 10 |
| >100' | | 20000 | 2500 | 1000 | 50 | 10 |
| Surface Water | yes or no | if yes, then | | | | |
| <300' from continuously flowing watercourse or other significant watercourse? | yes | 600 | 100 | | 50 | 10 |
| <200' from lakebed, sinkhole or playa lake? | no | | | | | |
| Water Well or Water Source | | | | | | |
| <500 feet from spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes? | no | | | | | |
| <1000' from fresh water well or spring? | yes | | | | | |
| Human and Other Areas | | | | | | |
| <300' from an occupied permanent residence, school, hospital, institution or church? | no | | | | | |
| within incorporated municipal boundaries or within a defined municipal fresh water well field? | no | | | | | |
| <100' from wetland? | no | | | | | |
| within area overlying a subsurface mine | no | | | | | |
| within an unstable area? | no | | | | | |
| within a 100-year floodplain? | no | | | | | |

Table 3:
Summary of Sample Results

| Sample ID | Sample Date | Depth (feet bgs) | Action | BTEX mg/Kg | Benzene mg/Kg | GRO mg/Kg | DRO mg/Kg | MRO mg/Kg | Total TPH mg/Kg | Cl- mg/Kg |
|---|-------------|------------------|------------|---------------|------------------|--------------|--------------|--------------|-----------------------|--------------|
| NMOCD Closure Criteria | | | | 50 | 10 | 1000 | | | 100 | 1800 |
| INITIAL SAMPLE ANALYSIS | | | | | | | | | | |
| L1 | 2/19/2019 | 0.5 | excavated | 0.801 | <0.023 | 23 | 310 | 99 | 432 | 900 |
| | | 1 | excavated | -- | -- | <4.8 | 54 | <49 | 54 | 1100 |
| | | 2 | excavated | -- | -- | <4.9 | 120 | <50 | 120 | 1500 |
| L2 | | 0.5 | excavated | 94.2 | 1.4 | 2600 | 7300 | 1800 | 11700 | 620 |
| | | 1 | excavated | -- | -- | 31 | 420 | 150 | 601 | 510 |
| L3 | | 2 | excavated | -- | -- | 5.4 | <9.9 | <49 | 5.2 | 1300 |
| | 1 | excavated | 608 | 29 | 12000 | 27,000 | 8,300 | 47300 | 98 | |
| | | 2 | excavated | -- | -- | 5000 | 13,000 | 4,000 | 22000 | <60 |
| BASELINE SAMPLE ANALYSIS FROM BACKGROUND SOIL REPORT | | | | | | | | | | |
| P1 | 7/22/2016 | 0.5 | -- | -- | -- | -- | -- | -- | -- | 170 |
| P2 | | 0.5 | -- | -- | -- | -- | -- | -- | -- | 1600 |
| P3 | | 0.5 | -- | -- | -- | -- | -- | -- | -- | 1800 |
| RECENT BACKGROUND SAMPLE ANALYSIS | | | | | | | | | | |
| JC | 4/2/2019 | 2 | -- | -- | -- | -- | -- | -- | -- | 990 |
| | | 6 | -- | -- | -- | -- | -- | -- | -- | 290 |
| | | 10 | -- | -- | -- | -- | -- | -- | -- | 160 |
| | | 12 | -- | -- | -- | -- | -- | -- | -- | 130 |
| JC2 | | 2 | -- | -- | -- | -- | -- | -- | -- | 170 |
| | | 4 | -- | -- | -- | -- | -- | -- | -- | 190 |
| | | 10 | -- | -- | -- | -- | -- | -- | -- | 100 |
| JC3 | | 2 | -- | -- | -- | -- | -- | -- | -- | 4900 |
| | | 4 | -- | -- | -- | -- | -- | -- | -- | 2200 |
| | | 6 | -- | -- | -- | -- | -- | -- | -- | 1400 |
| | | 10 | -- | -- | -- | -- | -- | -- | -- | 750 |
| JC4 | | 2 | -- | -- | -- | -- | -- | -- | -- | 9900 |
| | 6 | -- | -- | -- | -- | -- | -- | -- | 4900 | |
| | 10 | -- | -- | -- | -- | -- | -- | -- | 3600 | |
| CONFIRMATION CLOSURE SAMPLE ANALYSIS | | | | | | | | | | |
| BH1 | 4/25/2019 | 3 | sample | <0.22 | <0.024 | <4.9 | <8.8 | <44 | <57.7 | 470 |
| BH2 | 4/25/2019 | 2 | sample | <0.222 | <0.025 | <4.9 | <10 | <50 | <64.9 | 2300 |
| | 5/5/2019 | 2 | sample | -- | -- | -- | -- | -- | -- | 1100 |
| BH3 | 4/25/2019 | 2 | sample | <0.217 | <0.024 | <4.8 | <9.2 | <46 | <60.0 | 1100 |
| BH4 | 4/26/2019 | 2 | sample | <0.225 | <0.025 | <5.0 | 31 | <47 | 31 | 1400 |
| SW1 | 4/25/2019 | surface - 3 | sample | <0.225 | <0.025 | <5.0 | <9.7 | <48 | <62.7 | 150 |
| SW2 | | surface - 3 | sample | <0.215 | <0.024 | <4.8 | <9.4 | <47 | <61.2 | 530 |
| SW3 | | surface - 2 | sample | <0.217 | <0.024 | <4.8 | <8.7 | <44 | <57.5 | 370 |
| SW4 | | surface -2 | sample | <0.225 | <0.025 | <5.0 | <9.8 | <49 | <63.8 | 550 |
| SW5 | 4/26/2019 | surface - 2 | sample | <0.224 | <0.025 | <5.0 | <9.1 | <45 | <59.1 | 1200 |

"--" = Not Analyzed

* = per Reclamation Standard (19.15.29.13.D(1) NMAC)

APPENDIX A
C141: INITIAL & FINAL

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

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

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

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

Release Notification

Responsible Party

| | |
|---|---------------------------------|
| Responsible Party: Matador Resources | OGRID: 228937 |
| Contact Name: John Hurt | Contact Telephone: 972-371-5200 |
| Contact email: JHurt@matadorresources.com | Incident # (assigned by OCD) |
| Contact mailing address 5400 LBJ Freeway, Suite 1500 Dallas, TX 75240 | |

Location of Release Source

Latitude 32.2219634

Longitude -104.0504256
(NAD 83 in decimal degrees to 5 decimal places)

| | |
|--------------------------------------|-------------------------|
| Site Name: Janie Conner Tank Battery | Site Type: Tank Battery |
| Date Release Discovered 2/19/2019 | API# (if applicable) |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| A | 14 | 24S | 28E | EDDY |

Surface Owner: State Federal Tribal Private (Name: McDonald)

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) 24 | Volume Recovered (bbls) 6 |
| <input type="checkbox"/> Produced Water | Volume Released (bbls) | Volume Recovered (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: Equipment Failure – Fire Tube on Heater Treater

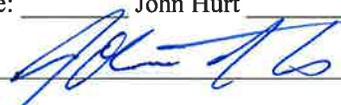
** 24 bbls of a crude oil and water mixture

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

| | |
|---|--|
| Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release? <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 SMA on 2/20/2019 to NMOCD District II via email | |

Initial Response

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

| |
|--|
| <input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately. |
| If all the actions described above have <u>not</u> been undertaken, explain why: _____ _____ _____ |
| 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: <u>John Hurt</u> Title: <u>RES Specialist</u> Signature:  Date: <u>3/4/19</u> email: <u>JHurt@matadorresources.com</u> Telephone: <u>972-371-5200</u> |
| <u>OCD Only</u> Received by: _____ Date: _____ |

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

| | |
|----------------|----------|
| Incident ID | |
| District RP | 2RP-5289 |
| Facility ID | |
| Application ID | |

Release Notification

Responsible Party

| | |
|---|---------------------------------|
| Responsible Party: Matador Resources | OGRID: 228937 |
| Contact Name: John Hurt | Contact Telephone: 972-371-5200 |
| Contact email: JHurt@matadorresources.com | Incident # (assigned by OCD) |
| Contact mailing address 5400 LBJ Freeway, Suite 1500 Dallas, TX 75240 | |

Location of Release Source

Latitude 32.2219634

Longitude -104.0504256
(NAD 83 in decimal degrees to 5 decimal places)

| | |
|--------------------------------------|-------------------------|
| Site Name: Janie Conner Tank Battery | Site Type: Tank Battery |
| Date Release Discovered 2/19/2019 | API# (if applicable) |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| A | 14 | 24S | 28E | EDDY |

Surface Owner: State Federal Tribal Private (Name: McDonald)

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) 24 | Volume Recovered (bbls) 6 |
| <input type="checkbox"/> Produced Water | Volume Released (bbls) | Volume Recovered (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: Equipment Failure – Fire Tube on Heater Treater

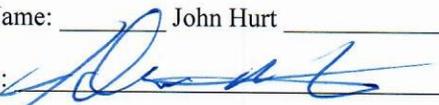
** 24 bbls of a crude oil and water mixture

| | |
|----------------|----------|
| Incident ID | |
| District RP | 2RP-5289 |
| Facility ID | |
| Application ID | |

| | |
|---|--|
| Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release? <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 SMA on 2/20/2019 to NMOCD District II via email | |

Initial Response

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

| |
|--|
| <input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately. |
| If all the actions described above have <u>not</u> been undertaken, explain why: _____ _____ _____ |
| 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: <u>John Hurt</u> Title: <u>RES Specialist</u> Signature:  Date: <u>5/14/19</u> email: <u>JHurt@matadorresources.com</u> Telephone: <u>972-371-5200</u> |
| <u>OCD Only</u> Received by: _____ Date: _____ |

| | |
|----------------|----------|
| Incident ID | |
| District RP | 2RP-5289 |
| Facility ID | |
| Application ID | |

Site Assessment/Characterization

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

| | |
|---|---|
| What is the shallowest depth to groundwater beneath the area affected by the release? | 35-40 (ft bgs) |
| Did this release impact groundwater or surface water? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Did the release impact areas not on an exploration, development, production, or storage site? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |

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

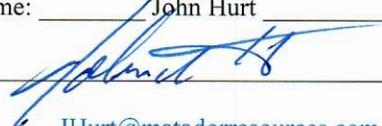
| | |
|--|---|
| Characterization Report Checklist: <i>Each of the following items must be included in the report.</i> | |
| <input checked="" type="checkbox"/> | Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. |
| <input type="checkbox"/> | Field data |
| <input checked="" type="checkbox"/> | Data table of soil contaminant concentration data |
| <input checked="" type="checkbox"/> | Depth to water determination |
| <input checked="" type="checkbox"/> | Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release |
| <input type="checkbox"/> | Boring or excavation logs |
| <input type="checkbox"/> | Photographs including date and GIS information |
| <input checked="" type="checkbox"/> | Topographic/Aerial maps |
| <input checked="" type="checkbox"/> | Laboratory data including chain of custody |

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

| | |
|----------------|----------|
| Incident ID | |
| District RP | 2RP-5289 |
| Facility ID | |
| Application ID | |

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

Printed Name: John Hurt Title: RES Specialist

Signature:  Date: 5/14/19

email: JHurt@matadorresources.com Telephone: 972-371-5200

OCD Only

Received by: _____ Date: _____

| | |
|----------------|----------|
| Incident ID | |
| District RP | 2RP-5289 |
| Facility ID | |
| Application ID | |

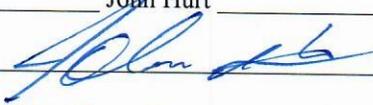
Closure

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: John Hurt Title: RES Specialist
 Signature:  Date: 5/14/19
 email: JHurt@matadorresources.com Telephone: 972-371-5200

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

APPENDIX B
NMOSE WELLS REPORT



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

| POD Number | POD Sub-Code | basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X | Y | Distance | Depth Well | Depth Water | Water Column |
|-------------------------|--------------|-------|--------|------|------|-----|-----|-----|-----|--------|----------|----------|------------|-------------|--------------|
| C 00738 | CUB | ED | | 3 | 1 | 1 | 13 | 24S | 28E | 589673 | 3565472* | 237 | 125 | 12 | 113 |
| C 00574 | CUB | ED | | 2 | 4 | 4 | 11 | 24S | 28E | 589452 | 3566081* | 439 | 200 | 20 | 180 |
| C 00903 | C | ED | | | 2 | 1 | 13 | 24S | 28E | 590178 | 3565575* | 670 | 57 | 30 | 27 |
| C 00464 | CUB | ED | | 2 | 2 | 1 | 13 | 24S | 28E | 590277 | 3565674* | 765 | 111 | 28 | 83 |

Average Depth to Water: **22 feet**
 Minimum Depth: **12 feet**
 Maximum Depth: **30 feet**

Record Count: 4

UTMNAD83 Radius Search (in meters):

Easting (X): 589511.6

Northing (Y): 3565645.69

Radius: 804

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

APPENDIX C
VSP SAMPLING PROTOCOL

VSP Sample Design Report for Using Stratified Sampling to Estimate the Population Proportion

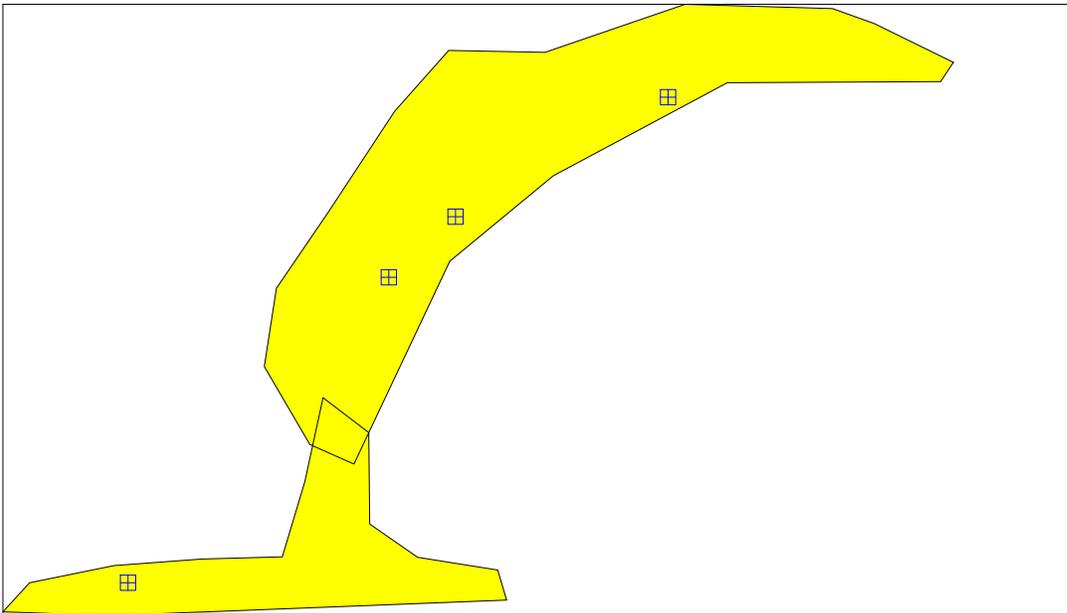
Summary

This report summarizes the stratified sampling design used, associated statistical assumptions, as well as general guidelines for conducting post-sampling data analysis. Sampling plan components presented here include how many sampling locations to choose and where within the sampling area to collect those samples. The type of medium to sample (i.e., soil, groundwater, etc.) and how to analyze the samples (in-situ, fixed laboratory, etc.) are addressed in other sections of the sampling plan. It is important to note that the decision for sample size calculation is determined for the combined strata, rather than any individual strata.

The following table summarizes the proportion stratified sampling design developed. A figure that shows sampling locations in the field and a table that lists sampling location coordinates are also provided below.

| SUMMARY OF SAMPLING DESIGN | |
|---|--|
| Primary Objective of Design | Estimate the population proportion of all strata combined |
| Criteria for Determining Total Number of Samples | Achieve pre-specified precision of the estimated proportion for specified stratum costs, but no restriction on total costs |
| Sample Placement (Location) in the Field | Random sampling within grids within each stratum |
| Formula for calculating number of sampling locations | From Gilbert (1987, page 51) |
| Method for calculating number of sampling locations in each stratum | Optimal Allocation |
| Calculated total number of samples | 4 |
| Stratum 1 | 3 |
| Stratum 2 | 1 |
| Total area of all strata | 2418.42 ft ² |
| | |

^a Including measurement analyses and fixed overhead costs. See the Cost of Sampling section for an explanation of the costs presented here.



| Area: Area 1 | | | | | | |
|--------------|-------------|-------|-------|----------------|------------|-------------|
| X Coord | Y Coord | Label | Value | Type | Historical | Sample Area |
| 628585.1635 | 444589.1800 | | | Random in Grid | | |
| 628594.4880 | 444597.6741 | | | Random in Grid | | |
| 628624.2165 | 444614.3863 | | | Random in Grid | | |

| Area: Area 2 | | | | | | |
|--------------|-------------|-------|-------|----------------|------------|-------------|
| X Coord | Y Coord | Label | Value | Type | Historical | Sample Area |
| 628548.6948 | 444546.4220 | | | Random in Grid | | |

Primary Sampling Objective

The primary purpose of sampling at this site is to estimate the proportion for the entire site, i.e., for all strata combined, such that the estimated proportion has the minimum possible standard deviation under the condition that the sampling and measurement costs cannot exceed a specified amount. Preexisting information was used to divide the site into 2 non-overlapping strata that were expected to be more homogeneous internally than for the entire site (all strata combined). The expected variability of values within each stratum was estimated or approximated, and the stratum weights, W_h , were determined so that the total number of samples could be allocated appropriately among the strata.

Number of Total Samples: Calculation Equation and Inputs

The total number of samples is computed to achieve the pre-specified precision of the estimated population proportion for specified stratum costs, but no restriction on total costs. *Note that the calculation is for the total number of samples, i.e., for combined strata, rather than individual strata.*

The formula used to calculate the total number of samples is:

$$n = \frac{\left(\sum_{h=1}^L W_h \sqrt{P_h(1-P_h)} \sqrt{c_h} \right) \sum_{h=1}^L \frac{W_h \sqrt{P_h(1-P_h)}}{\sqrt{c_h}}}{V + \frac{1}{N} \sum_{h=1}^L W_h P_h (1-P_h)}$$

where

L is the number of strata, $h=1,2,\dots,L$,

P_h is the estimated proportion of measurements in stratum h ,

$W_h = N_h / N$ is the weight associated with stratum h ,

N_h is the total number of possible sampling locations (units) in stratum h ,

N is the total number of possible units in all strata combined,

$$N = \sum_{h=1}^L N_h$$

V is the pre-specified variance or precision, and

c_h is the cost of collecting and measuring a sample in stratum h .

The values of these inputs that result in the calculated number of sampling locations are:

| Parameter | Stratum | |
|-----------|---------|---------|
| | 1 | 2 |
| P_h | 0.2 | 0.2 |
| W_h | 1778.03 | 640.391 |

| Parameter | Input Value |
|-----------|-------------|
| V | 1 |

Allocation of Samples to Strata

The total number of samples is allocated to the individual strata on an optimal basis using the formula:

$$n_h = n \frac{N_h \sqrt{P_h(1-P_h)} / \sqrt{c_h}}{\sum_{h=1}^L N_h \sqrt{P_h(1-P_h)} / \sqrt{c_h}}$$

where

n_h is the number of samples allocated to stratum h ,

L is the number of strata,

N_h is the total number of units in stratum h ,

P_h is the proportion in stratum h ,

c_h is the cost per population unit in stratum h .

n is the total number of units sampled in all strata,
$$n = \sum_{h=1}^L n_h$$

Using this formula, the number of samples allocated to each stratum is:

| Stratum | Number of Samples |
|----------------------|-------------------|
| 1 | 3 |
| 2 | 1 |
| Total Samples | 4 |

Method for Determining Sampling Locations

Five methods for determining sample locations are provided in VSP: 1) simple random sampling, 2) random sampling within grids, 3) systematic sampling with a random start, 4) systematic sampling with a fixed start and 5) adaptive grid sampling. One may use a different method for each stratum, based on the conceptual site model and decision to be made for a given stratum. For this site, sample locations were chosen using random sampling within grids in each stratum.

Locating the sample points using a random sampling within grids method combines appealing aspects of both the random and the systematic grid methods. It provides data that are separated by many distances, providing information about the spatial structure of the potential contamination. It also ensures good coverage of the entire site, although not as completely as if systematic grid sampling were performed.

Statistical Assumptions

The assumptions associated with the formulas for computing the number of samples are:

1. The estimated stratum proportions, P_h , are reasonable and representative of the stratum populations being sampled.
2. The sampling locations are selected using simple random sampling.
3. The stratum costs, C_h , and the fixed cost C_0 , are accurate.

The first and third assumptions will be assessed in a post data collection analysis. The second assumption, although not strictly valid for strata where systematic grid sampling was used rather than simple random sampling, is not expected to significantly affect conclusions of the study because (1) the gridded sample locations were selected based on a random start and (2) any patterns of contamination in the field that may exist are not expected to coincide with the regularity of the grid sampling pattern.

Recommended Data Analysis Activities

Post data collection activities generally follow those outlined in EPA's Guidance for Data Quality Assessment (EPA, 2000). The data analysts will become familiar with the context of the problem and goals for data collection and assessment. The data will be verified and validated before being subjected to statistical or other analyses. Graphical and analytical tools will be used to verify to the extent possible the assumptions of any statistical analyses that are performed as well as to achieve a general understanding of the data. The data will be assessed to determine whether they are adequate in both quality and quantity to support the primary objective of sampling.

Estimates for the proportion of the population values will be calculated using the formulas appropriate for stratified sampling; these formulas are found in EPA QA/G-5S (EPA, 2001). Results of the exploratory and quantitative assessments of the data will be reported, along with conclusions that may be supported by them.

This report was automatically produced* by Visual Sample Plan (VSP) software version 7.11b.

This design was last modified 4/15/2019 4:54:01 PM.

Software and documentation available at <http://vsp.pnnl.gov>

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* - The report contents may have been modified or reformatted by end-user of software.

APPENDIX D
LABORATORY ANALYTICAL
REPORTS



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

February 28, 2019

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

RE: Janie Conner TB

OrderNo.: 1902896

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 8 sample(s) on 2/21/2019 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 light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1902896

Date Reported: 2/28/2019

CLIENT: Souder, Miller & Associates

Client Sample ID: L1-0.5

Project: Janie Conner TB

Collection Date: 2/19/2019 10:00:00 AM

Lab ID: 1902896-001

Matrix: SOIL

Received Date: 2/21/2019 8:40:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: smb |
| Chloride | 900 | 60 | | mg/Kg | 20 | 2/22/2019 7:13:43 PM | 43302 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: lrm |
| Diesel Range Organics (DRO) | 310 | 9.7 | | mg/Kg | 1 | 2/22/2019 10:13:03 AM | 43278 |
| Motor Oil Range Organics (MRO) | 99 | 49 | | mg/Kg | 1 | 2/22/2019 10:13:03 AM | 43278 |
| Surr: DNOP | 116 | 70-130 | | %Rec | 1 | 2/22/2019 10:13:03 AM | 43278 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | 23 | 4.7 | | mg/Kg | 1 | 2/22/2019 3:05:51 PM | 43274 |
| Surr: BFB | 236 | 73.8-119 | S | %Rec | 1 | 2/22/2019 3:05:51 PM | 43274 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.023 | | mg/Kg | 1 | 2/22/2019 3:05:51 PM | 43274 |
| Toluene | 0.081 | 0.047 | | mg/Kg | 1 | 2/22/2019 3:05:51 PM | 43274 |
| Ethylbenzene | 0.060 | 0.047 | | mg/Kg | 1 | 2/22/2019 3:05:51 PM | 43274 |
| Xylenes, Total | 0.66 | 0.093 | | mg/Kg | 1 | 2/22/2019 3:05:51 PM | 43274 |
| Surr: 4-Bromofluorobenzene | 99.1 | 80-120 | | %Rec | 1 | 2/22/2019 3:05:51 PM | 43274 |

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 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.

Analytical Report

Lab Order 1902896

Date Reported: 2/28/2019

CLIENT: Souder, Miller & Associates

Client Sample ID: L1-1

Project: Janie Conner TB

Collection Date: 2/19/2019 10:05:00 AM

Lab ID: 1902896-002

Matrix: SOIL

Received Date: 2/21/2019 8:40:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CJS |
| Chloride | 1100 | 60 | | mg/Kg | 20 | 2/25/2019 12:47:09 PM | 43327 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: Irm |
| Diesel Range Organics (DRO) | 54 | 9.9 | | mg/Kg | 1 | 2/25/2019 4:03:18 PM | 43303 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 2/25/2019 4:03:18 PM | 43303 |
| Surr: DNOP | 83.6 | 70-130 | | %Rec | 1 | 2/25/2019 4:03:18 PM | 43303 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 2/23/2019 3:24:24 PM | 43294 |
| Surr: BFB | 97.2 | 73.8-119 | | %Rec | 1 | 2/23/2019 3:24:24 PM | 43294 |

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 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.

Analytical Report

Lab Order 1902896

Date Reported: 2/28/2019

CLIENT: Souder, Miller & Associates

Client Sample ID: L1-2

Project: Janie Conner TB

Collection Date: 2/19/2019 10:10:00 AM

Lab ID: 1902896-003

Matrix: SOIL

Received Date: 2/21/2019 8:40:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CJS |
| Chloride | 1500 | 60 | | mg/Kg | 20 | 2/25/2019 12:59:33 PM | 43327 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: Irm |
| Diesel Range Organics (DRO) | 120 | 9.9 | | mg/Kg | 1 | 2/25/2019 1:06:37 PM | 43303 |
| Motor Oil Range Organics (MRO) | ND | 50 | | mg/Kg | 1 | 2/25/2019 1:06:37 PM | 43303 |
| Surr: DNOP | 91.4 | 70-130 | | %Rec | 1 | 2/25/2019 1:06:37 PM | 43303 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 2/23/2019 4:32:25 PM | 43294 |
| Surr: BFB | 106 | 73.8-119 | | %Rec | 1 | 2/23/2019 4:32:25 PM | 43294 |

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 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.

Analytical Report

Lab Order 1902896

Date Reported: 2/28/2019

CLIENT: Souder, Miller & Associates

Client Sample ID: L2-0.5

Project: Janie Conner TB

Collection Date: 2/19/2019 10:15:00 AM

Lab ID: 1902896-004

Matrix: SOIL

Received Date: 2/21/2019 8:40:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: smb |
| Chloride | 620 | 60 | | mg/Kg | 20 | 2/22/2019 7:26:08 PM | 43302 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: lrm |
| Diesel Range Organics (DRO) | 7300 | 100 | | mg/Kg | 10 | 2/22/2019 1:26:38 PM | 43278 |
| Motor Oil Range Organics (MRO) | 1800 | 500 | | mg/Kg | 10 | 2/22/2019 1:26:38 PM | 43278 |
| Surr: DNOP | 0 | 70-130 | S | %Rec | 10 | 2/22/2019 1:26:38 PM | 43278 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | 2600 | 240 | | mg/Kg | 50 | 2/22/2019 12:34:36 PM | 43274 |
| Surr: BFB | 239 | 73.8-119 | S | %Rec | 50 | 2/22/2019 12:34:36 PM | 43274 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | 1.4 | 1.2 | | mg/Kg | 50 | 2/22/2019 12:34:36 PM | 43274 |
| Toluene | 20 | 2.4 | | mg/Kg | 50 | 2/22/2019 12:34:36 PM | 43274 |
| Ethylbenzene | 5.8 | 2.4 | | mg/Kg | 50 | 2/22/2019 12:34:36 PM | 43274 |
| Xylenes, Total | 67 | 4.8 | | mg/Kg | 50 | 2/22/2019 12:34:36 PM | 43274 |
| Surr: 4-Bromofluorobenzene | 116 | 80-120 | | %Rec | 50 | 2/22/2019 12:34:36 PM | 43274 |

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 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.

Analytical Report

Lab Order 1902896

Date Reported: 2/28/2019

CLIENT: Souder, Miller & Associates

Client Sample ID: L2-1

Project: Janie Conner TB

Collection Date: 2/19/2019 10:20:00 AM

Lab ID: 1902896-005

Matrix: SOIL

Received Date: 2/21/2019 8:40:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CJS |
| Chloride | 510 | 60 | | mg/Kg | 20 | 2/25/2019 1:36:46 PM | 43327 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: Irm |
| Diesel Range Organics (DRO) | 420 | 9.9 | | mg/Kg | 1 | 2/25/2019 1:28:38 PM | 43303 |
| Motor Oil Range Organics (MRO) | 150 | 49 | | mg/Kg | 1 | 2/25/2019 1:28:38 PM | 43303 |
| Surr: DNOP | 99.2 | 70-130 | | %Rec | 1 | 2/25/2019 1:28:38 PM | 43303 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | 31 | 4.7 | | mg/Kg | 1 | 2/23/2019 4:55:03 PM | 43294 |
| Surr: BFB | 269 | 73.8-119 | S | %Rec | 1 | 2/23/2019 4:55:03 PM | 43294 |

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 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.

Analytical Report

Lab Order 1902896

Date Reported: 2/28/2019

CLIENT: Souder, Miller & Associates

Client Sample ID: L2-2

Project: Janie Conner TB

Collection Date: 2/19/2019 10:25:00 AM

Lab ID: 1902896-006

Matrix: SOIL

Received Date: 2/21/2019 8:40:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CJS |
| Chloride | 1300 | 60 | | mg/Kg | 20 | 2/25/2019 1:49:11 PM | 43327 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: Irm |
| Diesel Range Organics (DRO) | ND | 9.9 | | mg/Kg | 1 | 2/25/2019 1:50:41 PM | 43303 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 2/25/2019 1:50:41 PM | 43303 |
| Surr: DNOP | 74.5 | 70-130 | | %Rec | 1 | 2/25/2019 1:50:41 PM | 43303 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | 5.4 | 4.9 | | mg/Kg | 1 | 2/23/2019 5:17:42 PM | 43294 |
| Surr: BFB | 112 | 73.8-119 | | %Rec | 1 | 2/23/2019 5:17:42 PM | 43294 |

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 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.

Analytical Report

Lab Order 1902896

Date Reported: 2/28/2019

CLIENT: Souder, Miller & Associates

Client Sample ID: L3-1

Project: Janie Conner TB

Collection Date: 2/19/2019 10:30:00 AM

Lab ID: 1902896-007

Matrix: SOIL

Received Date: 2/21/2019 8:40:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|-----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: smb |
| Chloride | 98 | 60 | | mg/Kg | 20 | 2/22/2019 8:03:21 PM | 43302 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: lrm |
| Diesel Range Organics (DRO) | 27000 | 960 | | mg/Kg | 100 | 2/22/2019 1:50:52 PM | 43278 |
| Motor Oil Range Organics (MRO) | 8300 | 4800 | | mg/Kg | 100 | 2/22/2019 1:50:52 PM | 43278 |
| Surr: DNOP | 0 | 70-130 | S | %Rec | 100 | 2/22/2019 1:50:52 PM | 43278 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | 12000 | 490 | | mg/Kg | 100 | 2/22/2019 12:57:31 PM | 43274 |
| Surr: BFB | 255 | 73.8-119 | S | %Rec | 100 | 2/22/2019 12:57:31 PM | 43274 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | 29 | 2.4 | | mg/Kg | 100 | 2/22/2019 12:57:31 PM | 43274 |
| Toluene | 190 | 4.9 | | mg/Kg | 100 | 2/22/2019 12:57:31 PM | 43274 |
| Ethylbenzene | 29 | 4.9 | | mg/Kg | 100 | 2/22/2019 12:57:31 PM | 43274 |
| Xylenes, Total | 360 | 9.8 | | mg/Kg | 100 | 2/22/2019 12:57:31 PM | 43274 |
| Surr: 4-Bromofluorobenzene | 118 | 80-120 | | %Rec | 100 | 2/22/2019 12:57:31 PM | 43274 |

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 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.

Analytical Report

Lab Order 1902896

Date Reported: 2/28/2019

CLIENT: Souder, Miller & Associates

Client Sample ID: L3-2

Project: Janie Conner TB

Collection Date: 2/19/2019 10:35:00 AM

Lab ID: 1902896-008

Matrix: SOIL

Received Date: 2/21/2019 8:40:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: CJS |
| Chloride | ND | 60 | | mg/Kg | 20 | 2/25/2019 2:01:36 PM | 43327 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: Irm |
| Diesel Range Organics (DRO) | 13000 | 190 | | mg/Kg | 20 | 2/25/2019 3:19:04 PM | 43303 |
| Motor Oil Range Organics (MRO) | 4000 | 970 | | mg/Kg | 20 | 2/25/2019 3:19:04 PM | 43303 |
| Surr: DNOP | 0 | 70-130 | S | %Rec | 20 | 2/25/2019 3:19:04 PM | 43303 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | 5000 | 240 | | mg/Kg | 50 | 2/23/2019 5:40:19 PM | 43294 |
| Surr: BFB | 247 | 73.8-119 | S | %Rec | 50 | 2/23/2019 5:40:19 PM | 43294 |

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 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#: 1902896

28-Feb-19

Client: Souder, Miller & Associates

Project: Janie Conner TB

| Sample ID: MB-43302 | SampType: MBLK | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 43302 | RunNo: 57905 | | | | | | | | |
| Prep Date: 2/22/2019 | Analysis Date: 2/22/2019 | SeqNo: 1939513 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| Sample ID: LCS-43302 | SampType: LCS | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 43302 | RunNo: 57905 | | | | | | | | |
| Prep Date: 2/22/2019 | Analysis Date: 2/22/2019 | SeqNo: 1939514 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 94.7 | 90 | 110 | | | |

| Sample ID: MB-43327 | SampType: MBLK | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 43327 | RunNo: 57937 | | | | | | | | |
| Prep Date: 2/25/2019 | Analysis Date: 2/25/2019 | SeqNo: 1940123 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| Sample ID: LCS-43327 | SampType: LCS | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 43327 | RunNo: 57937 | | | | | | | | |
| Prep Date: 2/25/2019 | Analysis Date: 2/25/2019 | SeqNo: 1940124 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 94.4 | 90 | 110 | | | |

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 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#: 1902896

28-Feb-19

Client: Souder, Miller & Associates

Project: Janie Conner TB

| Sample ID: LCS-43278 | SampType: LCS | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|-----------------------------|---------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 43278 | | RunNo: 57896 | | | | | | | |
| Prep Date: 2/21/2019 | Analysis Date: 2/22/2019 | | SeqNo: 1938482 | | 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 | 63.9 | 124 | | | |
| Surr: DNOP | 5.2 | | 5.000 | | 104 | 70 | 130 | | | |

| Sample ID: MB-43278 | SampType: MBLK | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|--------------------------------|---------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 43278 | | RunNo: 57896 | | | | | | | |
| Prep Date: 2/21/2019 | Analysis Date: 2/22/2019 | | SeqNo: 1938483 | | 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 | 11 | | 10.00 | | 109 | 70 | 130 | | | |

| Sample ID: 1902896-001AMS | SampType: MS | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|----------------------------------|---------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: L1-0.5 | Batch ID: 43278 | | RunNo: 57896 | | | | | | | |
| Prep Date: 2/21/2019 | Analysis Date: 2/22/2019 | | SeqNo: 1938485 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 360 | 9.7 | 48.50 | 311.8 | 91.4 | 53.5 | 126 | | | |
| Surr: DNOP | 4.6 | | 4.850 | | 93.9 | 70 | 130 | | | |

| Sample ID: 1902896-001AMSD | SampType: MSD | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|-----------------------------------|---------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: L1-0.5 | Batch ID: 43278 | | RunNo: 57896 | | | | | | | |
| Prep Date: 2/21/2019 | Analysis Date: 2/22/2019 | | SeqNo: 1938486 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 380 | 10 | 49.75 | 311.8 | 140 | 53.5 | 126 | 6.88 | 21.7 | S |
| Surr: DNOP | 5.9 | | 4.975 | | 118 | 70 | 130 | 0 | 0 | |

| Sample ID: LCS-43303 | SampType: LCS | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|-----------------------------|---------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 43303 | | RunNo: 57917 | | | | | | | |
| Prep Date: 2/22/2019 | Analysis Date: 2/25/2019 | | SeqNo: 1939464 | | 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 | 97.2 | 63.9 | 124 | | | |
| Surr: DNOP | 4.3 | | 5.000 | | 87.0 | 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 Detection Limit
- W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1902896

28-Feb-19

Client: Souder, Miller & Associates

Project: Janie Conner TB

| Sample ID: MB-43303 | SampType: MBLK | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|-----------------------------|---------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 43303 | RunNo: 57917 | | | | | | | | |
| Prep Date: 2/22/2019 | Analysis Date: 2/25/2019 | SeqNo: 1939465 | 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 | 8.3 | | 10.00 | | 83.3 | 70 | 130 | | | |

| Sample ID: 1902896-002AMS | SampType: MS | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|----------------------------------|---------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: L1-1 | Batch ID: 43303 | RunNo: 57917 | | | | | | | | |
| Prep Date: 2/22/2019 | Analysis Date: 2/25/2019 | SeqNo: 1940338 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |

| | | | | | | | | | | |
|-----------------------------|-----|-----|-------|-------|------|------|-----|--|--|---|
| Diesel Range Organics (DRO) | 73 | 9.7 | 48.40 | 54.43 | 38.8 | 53.5 | 126 | | | S |
| Surr: DNOP | 3.9 | | 4.840 | | 80.5 | 70 | 130 | | | |

| Sample ID: 1902896-002AMSD | SampType: MSD | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|-----------------------------------|---------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: L1-1 | Batch ID: 43303 | RunNo: 57917 | | | | | | | | |
| Prep Date: 2/22/2019 | Analysis Date: 2/25/2019 | SeqNo: 1940339 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |

| | | | | | | | | | | |
|-----------------------------|-----|-----|-------|-------|------|------|-----|------|------|---|
| Diesel Range Organics (DRO) | 65 | 9.7 | 48.50 | 54.43 | 21.9 | 53.5 | 126 | 11.9 | 21.7 | S |
| Surr: DNOP | 3.8 | | 4.850 | | 78.1 | 70 | 130 | 0 | 0 | |

| Sample ID: LCS-43309 | SampType: LCS | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|-----------------------------|---------------------------------|--|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 43309 | RunNo: 57917 | | | | | | | | |
| Prep Date: 2/22/2019 | Analysis Date: 2/25/2019 | SeqNo: 1940344 | Units: %Rec | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |

| | | | | | | | | | | |
|------------|-----|--|-------|--|------|----|-----|--|--|--|
| Surr: DNOP | 4.0 | | 5.000 | | 79.3 | 70 | 130 | | | |
|------------|-----|--|-------|--|------|----|-----|--|--|--|

| Sample ID: MB-43309 | SampType: MBLK | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
|-----------------------------|---------------------------------|--|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 43309 | RunNo: 57917 | | | | | | | | |
| Prep Date: 2/22/2019 | Analysis Date: 2/25/2019 | SeqNo: 1940345 | Units: %Rec | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |

| | | | | | | | | | | |
|------------|-----|--|-------|--|------|----|-----|--|--|--|
| Surr: DNOP | 9.3 | | 10.00 | | 93.3 | 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 Detection Limit
- W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1902896

28-Feb-19

Client: Souder, Miller & Associates

Project: Janie Conner TB

| Sample ID: MB-43271 | SampType: MBLK | | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | |
|-----------------------------|---------------------------------|-----|---|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 43271 | | RunNo: 57873 | | | | | | | |
| Prep Date: 2/21/2019 | Analysis Date: 2/22/2019 | | SeqNo: 1937710 | | Units: %Rec | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: BFB | 870 | | 1000 | | 87.3 | 73.8 | 119 | | | |

| Sample ID: LCS-43271 | SampType: LCS | | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | |
|-----------------------------|---------------------------------|-----|---|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 43271 | | RunNo: 57873 | | | | | | | |
| Prep Date: 2/21/2019 | Analysis Date: 2/22/2019 | | SeqNo: 1937711 | | Units: %Rec | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: BFB | 1000 | | 1000 | | 104 | 73.8 | 119 | | | |

| Sample ID: MB-43274 | SampType: MBLK | | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | |
|-------------------------------|---------------------------------|-----|---|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 43274 | | RunNo: 57872 | | | | | | | |
| Prep Date: 2/21/2019 | Analysis Date: 2/22/2019 | | SeqNo: 1937715 | | 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 | 1000 | | 1000 | | 104 | 73.8 | 119 | | | |

| Sample ID: LCS-43274 | SampType: LCS | | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | |
|-------------------------------|---------------------------------|-----|---|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 43274 | | RunNo: 57872 | | | | | | | |
| Prep Date: 2/21/2019 | Analysis Date: 2/22/2019 | | SeqNo: 1937716 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 26 | 5.0 | 25.00 | 0 | 106 | 80.1 | 123 | | | |
| Surr: BFB | 1100 | | 1000 | | 113 | 73.8 | 119 | | | |

| Sample ID: MB-43294 | SampType: MBLK | | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | |
|-------------------------------|---------------------------------|-----|---|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 43294 | | RunNo: 57911 | | | | | | | |
| Prep Date: 2/22/2019 | Analysis Date: 2/23/2019 | | SeqNo: 1938951 | | 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 | 860 | | 1000 | | 86.1 | 73.8 | 119 | | | |

| Sample ID: LCS-43294 | SampType: LCS | | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | |
|-------------------------------|---------------------------------|-----|---|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 43294 | | RunNo: 57911 | | | | | | | |
| Prep Date: 2/22/2019 | Analysis Date: 2/23/2019 | | SeqNo: 1938952 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 26 | 5.0 | 25.00 | 0 | 103 | 80.1 | 123 | | | |
| Surr: BFB | 1100 | | 1000 | | 107 | 73.8 | 119 | | | |

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 Detection Limit
- W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1902896

28-Feb-19

Client: Souder, Miller & Associates

Project: Janie Conner TB

| Sample ID: 1902896-002AMS | SampType: MS | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|----------------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: L1-1 | Batch ID: 43294 | RunNo: 57911 | | | | | | | | |
| Prep Date: 2/22/2019 | Analysis Date: 2/23/2019 | SeqNo: 1938954 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 31 | 4.8 | 23.76 | 2.371 | 121 | 69.1 | 142 | | | |
| Surr: BFB | 1100 | | 950.6 | | 118 | 73.8 | 119 | | | |

| Sample ID: 1902896-002AMSD | SampType: MSD | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-----------------------------------|---------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: L1-1 | Batch ID: 43294 | RunNo: 57911 | | | | | | | | |
| Prep Date: 2/22/2019 | Analysis Date: 2/23/2019 | SeqNo: 1938955 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 34 | 5.0 | 25.00 | 2.371 | 128 | 69.1 | 142 | 10.2 | 20 | |
| Surr: BFB | 1200 | | 1000 | | 119 | 73.8 | 119 | 0 | 0 | S |

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 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#: 1902896

28-Feb-19

Client: Souder, Miller & Associates

Project: Janie Conner TB

| Sample ID: MB-43274 | SampType: MBLK | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|-----------------------------|---------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 43274 | RunNo: 57872 | | | | | | | | |
| Prep Date: 2/21/2019 | Analysis Date: 2/22/2019 | SeqNo: 1938745 | 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 | 0.99 | | 1.000 | | 98.6 | 80 | 120 | | | |

| Sample ID: LCS-43274 | SampType: LCS | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|-----------------------------|---------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 43274 | RunNo: 57872 | | | | | | | | |
| Prep Date: 2/21/2019 | Analysis Date: 2/22/2019 | SeqNo: 1938746 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.91 | 0.025 | 1.000 | 0 | 90.8 | 80 | 120 | | | |
| Toluene | 0.95 | 0.050 | 1.000 | 0 | 94.7 | 80 | 120 | | | |
| Ethylbenzene | 0.94 | 0.050 | 1.000 | 0 | 94.0 | 80 | 120 | | | |
| Xylenes, Total | 2.9 | 0.10 | 3.000 | 0 | 95.4 | 80 | 120 | | | |
| Surr: 4-Bromofluorobenzene | 0.99 | | 1.000 | | 98.8 | 80 | 120 | | | |

| Sample ID: MB-43294 | SampType: MBLK | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|-----------------------------|---------------------------------|--|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 43294 | RunNo: 57911 | | | | | | | | |
| Prep Date: 2/22/2019 | Analysis Date: 2/23/2019 | SeqNo: 1938999 | Units: %Rec | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: 4-Bromofluorobenzene | 0.94 | | 1.000 | | 93.8 | 80 | 120 | | | |

| Sample ID: LCS-43294 | SampType: LCS | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|-----------------------------|---------------------------------|--|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 43294 | RunNo: 57911 | | | | | | | | |
| Prep Date: 2/22/2019 | Analysis Date: 2/23/2019 | SeqNo: 1939000 | Units: %Rec | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: 4-Bromofluorobenzene | 1.1 | | 1.000 | | 109 | 80 | 120 | | | |

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 Detection Limit
- W Sample container temperature is out of limit as specified

Sample Log-In Check List

Client Name: **SMA-CARLSBAD**

Work Order Number: **1902896**

RcptNo: **1**

Received By: **Isaiah Ortiz** **2/21/2019 8:40:00 AM** **IO**
 Completed By: **Isaiah Ortiz** **2/21/2019 8:49:38 AM** **IO**
 Reviewed By: **IO** **2/21/19**
LB: ENM 2/21/19

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° 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. VOA vials have zero headspace? Yes No No VOA Vials
 10. Were any sample containers received broken? Yes No
 11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
 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? Yes No
 (If no, notify customer for authorization.)

ENM 2/21/19
 # of preserved bottles checked for pH: _____
 Adjusted: _____
 Checked by: _____

Special Handling (if applicable)

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

| | | | |
|----------------------|----------------------|-------|---|
| Person Notified: | <input type="text"/> | Date: | <input type="text"/> |
| By Whom: | <input type="text"/> | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding: | <input type="text"/> | | |
| Client Instructions: | <input type="text"/> | | |

16. Additional remarks:

Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 2.1 | Good | Yes | | | |



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

August 05, 2016

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

RE: Janie Connor 201

OrderNo.: 1607D21

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 3 sample(s) on 7/26/2016 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 qualifers 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a white background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1607D21

Date Reported: 8/5/2016

CLIENT: Souder, Miller & Associates

Client Sample ID: P1

Project: Janie Connor 201

Collection Date: 7/22/2016 12:00:00 PM

Lab ID: 1607D21-001

Matrix: SOIL

Received Date: 7/26/2016 10:00:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: LGT |
| Chloride | 170 | 30 | | mg/Kg | 20 | 8/1/2016 10:24:48 PM | 26731 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | 11 | 9.6 | | mg/Kg | 1 | 8/1/2016 12:02:53 PM | 26694 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 8/1/2016 12:02:53 PM | 26694 |
| Surr: DNOP | 53.9 | 70-130 | S | %Rec | 1 | 8/1/2016 12:02:53 PM | 26694 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: RAA |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 7/27/2016 3:59:13 PM | 26606 |
| Surr: BFB | 106 | 80-120 | | %Rec | 1 | 7/27/2016 3:59:13 PM | 26606 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: RAA |
| Methyl tert-butyl ether (MTBE) | ND | 0.097 | | mg/Kg | 1 | 7/27/2016 3:59:13 PM | 26606 |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 7/27/2016 3:59:13 PM | 26606 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 7/27/2016 3:59:13 PM | 26606 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 7/27/2016 3:59:13 PM | 26606 |
| Xylenes, Total | ND | 0.097 | | mg/Kg | 1 | 7/27/2016 3:59:13 PM | 26606 |
| Surr: 4-Bromofluorobenzene | 99.9 | 80-120 | | %Rec | 1 | 7/27/2016 3:59:13 PM | 26606 |

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 |
| R | RPD outside accepted recovery limits | 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.

Analytical Report

Lab Order 1607D21

Date Reported: 8/5/2016

CLIENT: Souder, Miller & Associates

Client Sample ID: P2

Project: Janie Connor 201

Collection Date: 7/22/2016 12:00:00 PM

Lab ID: 1607D21-002

Matrix: SOIL

Received Date: 7/26/2016 10:00:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: LGT |
| Chloride | 1600 | 75 | | mg/Kg | 50 | 8/2/2016 9:22:20 PM | 26731 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | ND | 9.5 | | mg/Kg | 1 | 7/27/2016 6:52:04 PM | 26603 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 7/27/2016 6:52:04 PM | 26603 |
| Surr: DNOP | 48.4 | 70-130 | S | %Rec | 1 | 7/27/2016 6:52:04 PM | 26603 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: RAA |
| Gasoline Range Organics (GRO) | ND | 4.7 | | mg/Kg | 1 | 7/27/2016 4:22:52 PM | 26606 |
| Surr: BFB | 106 | 80-120 | | %Rec | 1 | 7/27/2016 4:22:52 PM | 26606 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: RAA |
| Methyl tert-butyl ether (MTBE) | ND | 0.093 | | mg/Kg | 1 | 7/27/2016 4:22:52 PM | 26606 |
| Benzene | ND | 0.023 | | mg/Kg | 1 | 7/27/2016 4:22:52 PM | 26606 |
| Toluene | ND | 0.047 | | mg/Kg | 1 | 7/27/2016 4:22:52 PM | 26606 |
| Ethylbenzene | ND | 0.047 | | mg/Kg | 1 | 7/27/2016 4:22:52 PM | 26606 |
| Xylenes, Total | ND | 0.093 | | mg/Kg | 1 | 7/27/2016 4:22:52 PM | 26606 |
| Surr: 4-Bromofluorobenzene | 97.8 | 80-120 | | %Rec | 1 | 7/27/2016 4:22:52 PM | 26606 |

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 |
| | R RPD outside accepted recovery limits | 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.

Analytical Report

Lab Order 1607D21

Date Reported: 8/5/2016

CLIENT: Souder, Miller & Associates

Client Sample ID: P3

Project: Janie Connor 201

Collection Date: 7/22/2016 12:00:00 PM

Lab ID: 1607D21-003

Matrix: SOIL

Received Date: 7/26/2016 10:00:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: LGT |
| Chloride | 1800 | 75 | | mg/Kg | 50 | 8/2/2016 9:34:44 PM | 26731 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | ND | 9.6 | | mg/Kg | 1 | 7/27/2016 7:20:02 PM | 26603 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 7/27/2016 7:20:02 PM | 26603 |
| Surr: DNOP | 47.8 | 70-130 | S | %Rec | 1 | 7/27/2016 7:20:02 PM | 26603 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: RAA |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 7/27/2016 4:46:28 PM | 26606 |
| Surr: BFB | 106 | 80-120 | | %Rec | 1 | 7/27/2016 4:46:28 PM | 26606 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: RAA |
| Methyl tert-butyl ether (MTBE) | ND | 0.096 | | mg/Kg | 1 | 7/27/2016 4:46:28 PM | 26606 |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 7/27/2016 4:46:28 PM | 26606 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 7/27/2016 4:46:28 PM | 26606 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 7/27/2016 4:46:28 PM | 26606 |
| Xylenes, Total | ND | 0.096 | | mg/Kg | 1 | 7/27/2016 4:46:28 PM | 26606 |
| Surr: 4-Bromofluorobenzene | 100 | 80-120 | | %Rec | 1 | 7/27/2016 4:46:28 PM | 26606 |

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 |
| R | RPD outside accepted recovery limits | 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#: 1607D21

05-Aug-16

Client: Souder, Miller & Associates

Project: Janie Connor 201

| | | | | | | | | | | |
|------------|-----------------|----------------|-----------------|-------------|---------------------------------|----------|--------------|------|----------|------|
| Sample ID | MB-26731 | SampType: | MBLK | TestCode: | EPA Method 300.0: Anions | | | | | |
| Client ID: | PBS | Batch ID: | 26731 | RunNo: | 36149 | | | | | |
| Prep Date: | 8/1/2016 | Analysis Date: | 8/1/2016 | SeqNo: | 1119547 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| | | | | | | | | | | |
|------------|------------------|----------------|-----------------|-------------|---------------------------------|----------|--------------|------|----------|------|
| Sample ID | LCS-26731 | SampType: | LCS | TestCode: | EPA Method 300.0: Anions | | | | | |
| Client ID: | LCSS | Batch ID: | 26731 | RunNo: | 36149 | | | | | |
| Prep Date: | 8/1/2016 | Analysis Date: | 8/1/2016 | SeqNo: | 1119549 | 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. | 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 |
| R RPD outside accepted recovery limits | 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#: 1607D21

05-Aug-16

Client: Souder, Miller & Associates

Project: Janie Connor 201

| Sample ID MB-26603 | SampType: MBLK | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|--------------------------------|---------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 26603 | | RunNo: 36010 | | | | | | | |
| Prep Date: 7/26/2016 | Analysis Date: 7/27/2016 | | SeqNo: 1115521 | | 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 | 8.0 | | 10.00 | | 80.5 | 70 | 130 | | | |

| Sample ID LCS-26603 | SampType: LCS | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|-----------------------------|---------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 26603 | | RunNo: 36010 | | | | | | | |
| Prep Date: 7/26/2016 | Analysis Date: 7/27/2016 | | SeqNo: 1115716 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 50 | 10 | 50.00 | 0 | 101 | 62.6 | 124 | | | |
| Surr: DNOP | 4.5 | | 5.000 | | 90.9 | 70 | 130 | | | |

| Sample ID LCS-26694 | SampType: LCS | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|-----------------------------|--------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 26694 | | RunNo: 36120 | | | | | | | |
| Prep Date: 7/29/2016 | Analysis Date: 8/1/2016 | | SeqNo: 1118973 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 48 | 10 | 50.00 | 0 | 96.9 | 62.6 | 124 | | | |
| Surr: DNOP | 4.6 | | 5.000 | | 91.4 | 70 | 130 | | | |

| Sample ID MB-26694 | SampType: MBLK | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|--------------------------------|--------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 26694 | | RunNo: 36120 | | | | | | | |
| Prep Date: 7/29/2016 | Analysis Date: 8/1/2016 | | SeqNo: 1118974 | | 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 | 8.1 | | 10.00 | | 81.1 | 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 |
| R RPD outside accepted recovery limits | 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#: 1607D21

05-Aug-16

Client: Souder, Miller & Associates

Project: Janie Connor 201

| Sample ID LCS-26606 | SampType: LCS | | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | |
|-------------------------------|---------------------------------|-----|---|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 26606 | | RunNo: 36031 | | | | | | | |
| Prep Date: 7/26/2016 | Analysis Date: 7/27/2016 | | SeqNo: 1115993 | | 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 | 97.3 | 80 | 120 | | | |
| Surr: BFB | 1100 | | 1000 | | 114 | 80 | 120 | | | |

| Sample ID MB-26606 | SampType: MBLK | | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | |
|-------------------------------|---------------------------------|-----|---|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 26606 | | RunNo: 36031 | | | | | | | |
| Prep Date: 7/26/2016 | Analysis Date: 7/27/2016 | | SeqNo: 1115994 | | 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 | 1000 | | 1000 | | 104 | 80 | 120 | | | |

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
- R RPD outside accepted recovery limits
- 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 Detection Limit
- W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1607D21

05-Aug-16

Client: Souder, Miller & Associates

Project: Janie Connor 201

| Sample ID | LCS-26606 | SampType: | LCS | TestCode: | EPA Method 8021B: Volatiles | | | | | |
|--------------------------------|------------------|----------------|------------------|-------------|------------------------------------|----------|--------------|------|----------|------|
| Client ID: | LCSS | Batch ID: | 26606 | RunNo: | 36031 | | | | | |
| Prep Date: | 7/26/2016 | Analysis Date: | 7/27/2016 | SeqNo: | 1116018 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Methyl tert-butyl ether (MTBE) | 0.95 | 0.10 | 1.000 | 0 | 95.1 | 61 | 143 | | | |
| Benzene | 0.99 | 0.025 | 1.000 | 0 | 99.4 | 75.3 | 123 | | | |
| Toluene | 0.96 | 0.050 | 1.000 | 0 | 96.3 | 80 | 124 | | | |
| Ethylbenzene | 0.97 | 0.050 | 1.000 | 0 | 96.9 | 82.8 | 121 | | | |
| Xylenes, Total | 2.9 | 0.10 | 3.000 | 0 | 96.7 | 83.9 | 122 | | | |
| Surr: 4-Bromofluorobenzene | 1.1 | | 1.000 | | 106 | 80 | 120 | | | |

| Sample ID | MB-26606 | SampType: | MBLK | TestCode: | EPA Method 8021B: Volatiles | | | | | |
|--------------------------------|------------------|----------------|------------------|-------------|------------------------------------|----------|--------------|------|----------|------|
| Client ID: | PBS | Batch ID: | 26606 | RunNo: | 36031 | | | | | |
| Prep Date: | 7/26/2016 | Analysis Date: | 7/27/2016 | SeqNo: | 1116019 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Methyl tert-butyl ether (MTBE) | ND | 0.10 | | | | | | | | |
| Benzene | ND | 0.025 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 0.99 | | 1.000 | | 98.6 | 80 | 120 | | | |

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

Sample Log-In Check List

Client Name: SMA-CARLSBAD

Work Order Number: 1607D21

RcptNo: 1

Received by/date: AS 07/26/16

Logged By: **Lindsay Mangin** 7/26/2016 10:00:00 AM *[Signature]*

Completed By: **Lindsay Mangin** 7/26/2016 10:07:38 AM *[Signature]*

Reviewed By: *[Signature]* 07/26/16

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? Yes No
(Note discrepancies on chain of custody)
- 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? Yes No
(If no, notify customer for authorization.)

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:

Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 4.9 | Good | Yes | | | |



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

April 10, 2019

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

RE: Janie Connor BG JC BG

OrderNo.: 1904173

Dear Melodie Sanjari:

Hall Environmental Analysis Laboratory received 22 sample(s) on 4/3/2019 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 light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order: 1904173

Date Reported: 4/10/2019

CLIENT: Souder, Miller & Associates

Lab Order: 1904173

Project: Janie Connor BG JC BG

Lab ID: 1904173-001

Collection Date: 4/2/2019 9:30:00 AM

Client Sample ID: JC-2'

Matrix: SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch ID |
|----------|--------|----|------|-------|----|---------------|----------|
|----------|--------|----|------|-------|----|---------------|----------|

EPA METHOD 300.0: ANIONS

Analyst: **CJS**

| | | | | | | | |
|----------|-----|----|--|-------|----|---------------------|-------|
| Chloride | 990 | 60 | | mg/Kg | 20 | 4/6/2019 5:35:25 PM | 44170 |
|----------|-----|----|--|-------|----|---------------------|-------|

Lab ID: 1904173-003

Collection Date: 4/2/2019 9:50:00 AM

Client Sample ID: JC-6'

Matrix: SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch ID |
|----------|--------|----|------|-------|----|---------------|----------|
|----------|--------|----|------|-------|----|---------------|----------|

EPA METHOD 300.0: ANIONS

Analyst: **CJS**

| | | | | | | | |
|----------|-----|----|--|-------|----|---------------------|-------|
| Chloride | 290 | 60 | | mg/Kg | 20 | 4/6/2019 5:47:50 PM | 44170 |
|----------|-----|----|--|-------|----|---------------------|-------|

Lab ID: 1904173-005

Collection Date: 4/2/2019 10:10:00 AM

Client Sample ID: JC-10'

Matrix: SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch ID |
|----------|--------|----|------|-------|----|---------------|----------|
|----------|--------|----|------|-------|----|---------------|----------|

EPA METHOD 300.0: ANIONS

Analyst: **CJS**

| | | | | | | | |
|----------|-----|----|--|-------|----|---------------------|-------|
| Chloride | 160 | 61 | | mg/Kg | 20 | 4/6/2019 6:00:14 PM | 44170 |
|----------|-----|----|--|-------|----|---------------------|-------|

Lab ID: 1904173-006

Collection Date: 4/2/2019 10:20:00 AM

Client Sample ID: JC-12'

Matrix: SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch ID |
|----------|--------|----|------|-------|----|---------------|----------|
|----------|--------|----|------|-------|----|---------------|----------|

EPA METHOD 300.0: ANIONS

Analyst: **CJS**

| | | | | | | | |
|----------|-----|----|--|-------|----|---------------------|-------|
| Chloride | 130 | 60 | | mg/Kg | 20 | 4/6/2019 6:37:29 PM | 44170 |
|----------|-----|----|--|-------|----|---------------------|-------|

Lab ID: 1904173-007

Collection Date: 4/2/2019 10:45:00 AM

Client Sample ID: JC2-2'

Matrix: SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch ID |
|----------|--------|----|------|-------|----|---------------|----------|
|----------|--------|----|------|-------|----|---------------|----------|

EPA METHOD 300.0: ANIONS

Analyst: **CJS**

| | | | | | | | |
|----------|-----|----|--|-------|----|---------------------|-------|
| Chloride | 170 | 60 | | mg/Kg | 20 | 4/6/2019 6:49:54 PM | 44170 |
|----------|-----|----|--|-------|----|---------------------|-------|

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

Qualifiers: H Holding times for preparation or analysis exceeded
 PQL Practical Quantitative Limit
 W Sample container temperature is out of limit as specified at testcode

ND Not Detected at the Reporting Limit
 RL Reporting Detection Limit

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order: 1904173
 Date Reported: 4/10/2019

CLIENT: Souder, Miller & Associates
Project: Janie Connor BG JC BG

Lab Order: 1904173

Lab ID: 1904173-009 **Collection Date:** 4/2/2019 10:55:00 AM
Client Sample ID: JC2-6' **Matrix:** SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch ID |
|--|--------|----|------|-------|----|---------------------|----------|
| EPA METHOD 300.0: ANIONS Analyst: CJS | | | | | | | |
| Chloride | 190 | 60 | | mg/Kg | 20 | 4/6/2019 7:02:18 PM | 44170 |

Lab ID: 1904173-011 **Collection Date:** 4/2/2019 11:05:00 AM
Client Sample ID: JC2-10' **Matrix:** SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch ID |
|--|--------|----|------|-------|----|---------------------|----------|
| EPA METHOD 300.0: ANIONS Analyst: CJS | | | | | | | |
| Chloride | 100 | 60 | | mg/Kg | 20 | 4/6/2019 7:14:43 PM | 44170 |

Lab ID: 1904173-012 **Collection Date:** 4/2/2019 11:30:00 AM
Client Sample ID: JC3-2' **Matrix:** SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch ID |
|--|--------|-----|------|-------|----|---------------------|----------|
| EPA METHOD 300.0: ANIONS Analyst: smb | | | | | | | |
| Chloride | 4900 | 150 | | mg/Kg | 50 | 4/8/2019 4:20:17 PM | 44170 |

Lab ID: 1904173-013 **Collection Date:** 4/2/2019 11:35:00 AM
Client Sample ID: JC3-4' **Matrix:** SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch ID |
|--|--------|----|------|-------|----|---------------------|----------|
| EPA METHOD 300.0: ANIONS Analyst: CJS | | | | | | | |
| Chloride | 2200 | 60 | | mg/Kg | 20 | 4/6/2019 8:04:23 PM | 44170 |

Lab ID: 1904173-014 **Collection Date:** 4/2/2019 11:45:00 AM
Client Sample ID: JC3-6' **Matrix:** SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch ID |
|--|--------|----|------|-------|----|---------------------|----------|
| EPA METHOD 300.0: ANIONS Analyst: CJS | | | | | | | |
| Chloride | 1400 | 60 | | mg/Kg | 20 | 4/6/2019 8:16:48 PM | 44170 |

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

Qualifiers: H Holding times for preparation or analysis exceeded
 PQL Practical Quantitative Limit
 W Sample container temperature is out of limit as specified at testcode
 ND Not Detected at the Reporting Limit
 RL Reporting Detection Limit

Analytical Report

Lab Order: 1904173

Date Reported: 4/10/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Lab Order: 1904173

Project: Janie Connor BG JC BG

Lab ID: 1904173-016

Collection Date: 4/2/2019 11:55:00 AM

Client Sample ID: JC3-10'

Matrix: SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch ID |
|----------|--------|----|------|-------|----|---------------|----------|
|----------|--------|----|------|-------|----|---------------|----------|

EPA METHOD 300.0: ANIONS

Analyst: CJS

| | | | | | | | |
|----------|-----|----|--|-------|----|---------------------|-------|
| Chloride | 750 | 59 | | mg/Kg | 20 | 4/6/2019 8:29:12 PM | 44170 |
|----------|-----|----|--|-------|----|---------------------|-------|

Lab ID: 1904173-018

Collection Date: 4/2/2019 12:10:00 PM

Client Sample ID: JC4-2'

Matrix: SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch ID |
|----------|--------|----|------|-------|----|---------------|----------|
|----------|--------|----|------|-------|----|---------------|----------|

EPA METHOD 300.0: ANIONS

Analyst: smb

| | | | | | | | |
|----------|------|-----|--|-------|-----|---------------------|-------|
| Chloride | 9900 | 600 | | mg/Kg | 200 | 4/8/2019 4:32:42 PM | 44170 |
|----------|------|-----|--|-------|-----|---------------------|-------|

Lab ID: 1904173-020

Collection Date: 4/2/2019 12:30:00 PM

Client Sample ID: JC4-6'

Matrix: SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch ID |
|----------|--------|----|------|-------|----|---------------|----------|
|----------|--------|----|------|-------|----|---------------|----------|

EPA METHOD 300.0: ANIONS

Analyst: smb

| | | | | | | | |
|----------|------|-----|--|-------|----|---------------------|-------|
| Chloride | 4900 | 150 | | mg/Kg | 50 | 4/8/2019 4:45:07 PM | 44170 |
|----------|------|-----|--|-------|----|---------------------|-------|

Lab ID: 1904173-022

Collection Date: 4/2/2019 12:50:00 PM

Client Sample ID: JC4-10'

Matrix: SOIL

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch ID |
|----------|--------|----|------|-------|----|---------------|----------|
|----------|--------|----|------|-------|----|---------------|----------|

EPA METHOD 300.0: ANIONS

Analyst: smb

| | | | | | | | |
|----------|------|-----|--|-------|----|---------------------|-------|
| Chloride | 3600 | 150 | | mg/Kg | 50 | 4/8/2019 5:22:22 PM | 44170 |
|----------|------|-----|--|-------|----|---------------------|-------|

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

Qualifiers: H Holding times for preparation or analysis exceeded
PQL Practical Quantitative Limit
W Sample container temperature is out of limit as specified at testcode

ND Not Detected at the Reporting Limit
RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1904173

10-Apr-19

Client: Souder, Miller & Associates

Project: Janie Connor BG JC BG

| Sample ID: MB-44170 | SampType: mblk | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|----------------------------|--------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 44170 | RunNo: 58961 | | | | | | | | |
| Prep Date: 4/6/2019 | Analysis Date: 4/6/2019 | SeqNo: 1983371 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| Sample ID: LCS-44170 | SampType: ics | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|--------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 44170 | RunNo: 58961 | | | | | | | | |
| Prep Date: 4/6/2019 | Analysis Date: 4/6/2019 | SeqNo: 1983373 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 93.4 | 90 | 110 | | | |

Qualifiers:

H Holding times for preparation or analysis exceeded

PQL Practical Quantitative Limit

W Sample container temperature is out of limit as specified at testcode

ND Not Detected at the Reporting Limit

RL Reporting Detection Limit

Sample Log-In Check List

Client Name: **SMA-CARLSBAD**

Work Order Number: **1904173**

RcptNo: 1

Received By: **Yazmine Garduno** 4/3/2019 8:50:00 AM

Completed By: **Erin Melendrez** 4/3/2019 10:38:56 AM

Reviewed By: **DAD 4/3/19**
LB: JJC 4-3-19

Yazmine Garduno
Erin Melendrez

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° 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. VOA vials have zero headspace? Yes No No VOA Vials
 10. Were any sample containers received broken? Yes No
 11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
 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? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)
 Adjusted? _____
 Checked by: **JJC 4-3-19**

Special Handling (if applicable)

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

| | | | |
|----------------------|----------------------|-------|---|
| Person Notified: | <input type="text"/> | Date: | <input type="text"/> |
| By Whom: | <input type="text"/> | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding: | <input type="text"/> | | |
| Client Instructions: | <input type="text"/> | | |

16. Additional remarks:

17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 2.1 | Good | Yes | | | |
| 2 | 2.8 | Good | Yes | | | |
| 3 | 5.6 | Good | Yes | | | |

Chain-of-Custody Record

Client: SMA Carlstadt.

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:

Standard Level 4 (Full Validation)

Accreditation: Az Compliance

NELAC Other

EDD (Type)

Turn-Around Time:

Standard Rush 5 day

Project Name:

Janie Connor BG

Project #:

(JC-89)

Project Manager:

Meoche Sanjani

Sampler: MPS

On Ice: Yes No

of Coolers: 3

Cooler Temp (including CF): 2.1, 2.8, 5.0

Container Type and #

402

Preservative Type

HEAL No. 1904173

-001

-002

-003

-004

-005

-006

Date

4/2/19

9:30

9:40

9:50

10:00

10:10

10:20

Matrix

Soil

↓

↓

↓

↓

↓

Sample Name

JC-2

JC-4

JC-6

JC-8

JC-10

JC-12

Date: 4/2/19 Time: 1430

Date: 4/2/19 Time: 1940

Relinquished by: [Signature]

Relinquished by: [Signature]

Received by: [Signature]

Received by: [Signature]

Via: 4/2/19 1430

Via: 4/13/19 8:50

Remarks: Matator

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) |
|----------------------------|----------------------------|----------------------------|--------------------|--------------------------|---------------|--|------------|-----------------|---------------------------------|

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.

Chain-of-Custody Record

Client: SMA -

consort.

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:

Standard Level 4 (Full Validation)

Accreditation: Az Compliance

NELAC Other

EDD (Type)

| Date | Time | Matrix | Sample Name |
|--------|-------|--------|-------------|
| 4/2/19 | 12:10 | Soil | JCA-2' |
| | 12:20 | | JCA-4' |
| | 12:30 | | JCA-6' |
| | 12:40 | | JCA-8' |
| | 12:50 | | JCA-10' |

Turn-Around Time:
 Standard Rush 5 day.

Project Name:
James Connor Bldg.

Project #:
(JCBG)

Project Manager:
Melodie Jung

Sampler:
Mrs.

On Ice: Yes No

of Coolers:
3

Cooler Temp (including CF): 7.1°C, 7.4°C, 5.0°C

Container Type and #
4oz.

Preservative Type
HEAL No. 1904173

HEAL No.
-018

-019

-020

-021

-022



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 / TMBs (8021) | |
| TPH:8015D(GRO / DRO / MRO) | |
| 8081 Pesticides/8082 PCBs | |
| EDB (Method 504.1) | |
| PAHs by 8310 or 8270SIMS | |
| RCRA 8 Metals | |
| Cl ⁻ , F ⁻ , Br ⁻ , NO ₃ ⁻ , NO ₂ ⁻ , PO ₄ ³⁻ , SO ₄ ²⁻ | <input checked="" type="checkbox"/> |
| 8260 (VOA) | |
| 8270 (Semi-VOA) | |
| Total Coliform (Present/Absent) | |

Remarks:
PLEASE HOLD
PLEASE HOLD
Matador

Receiver by: [Signature] Date: 4/2/19 Time: 1430
 Receiver by: [Signature] Date: 4/3/19 Time: 5:50

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.



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

May 06, 2019

Melodie Sanjari
Souder, Miller & Associates
201 S Halagueno
Carlsbad, NM 88221
TEL:
FAX

RE: Janie Conner

OrderNo.: 1904D89

Dear Melodie Sanjari:

Hall Environmental Analysis Laboratory received 9 sample(s) on 4/30/2019 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 in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order 1904D89
 Date Reported: 5/6/2019

CLIENT: Souder, Miller & Associates

Client Sample ID: SW1

Project: Janie Conner

Collection Date: 4/25/2019 4:50:00 AM

Lab ID: 1904D89-001

Matrix: SOIL

Received Date: 4/30/2019 9:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|---------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 150 | 60 | | mg/Kg | 20 | 5/1/2019 4:21:45 PM | 44638 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | ND | 9.7 | | mg/Kg | 1 | 5/1/2019 4:57:06 PM | 44624 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 5/1/2019 4:57:06 PM | 44624 |
| Surr: DNOP | 99.1 | 70-130 | | %Rec | 1 | 5/1/2019 4:57:06 PM | 44624 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 5/1/2019 9:27:27 PM | 44616 |
| Surr: BFB | 91.3 | 73.8-119 | | %Rec | 1 | 5/1/2019 9:27:27 PM | 44616 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/1/2019 9:27:27 PM | 44616 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 5/1/2019 9:27:27 PM | 44616 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 5/1/2019 9:27:27 PM | 44616 |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 5/1/2019 9:27:27 PM | 44616 |
| Surr: 4-Bromofluorobenzene | 91.7 | 80-120 | | %Rec | 1 | 5/1/2019 9:27:27 PM | 44616 |

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 | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order 1904D89
 Date Reported: 5/6/2019

CLIENT: Souder, Miller & Associates

Client Sample ID: SW2

Project: Janie Conner

Collection Date: 4/25/2019 4:30:00 AM

Lab ID: 1904D89-002

Matrix: SOIL

Received Date: 4/30/2019 9:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|---------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 530 | 60 | | mg/Kg | 20 | 5/1/2019 4:34:10 PM | 44638 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | ND | 9.4 | | mg/Kg | 1 | 5/1/2019 5:19:12 PM | 44624 |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 5/1/2019 5:19:12 PM | 44624 |
| Surr: DNOP | 96.8 | 70-130 | | %Rec | 1 | 5/1/2019 5:19:12 PM | 44624 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 5/1/2019 9:50:59 PM | 44616 |
| Surr: BFB | 93.1 | 73.8-119 | | %Rec | 1 | 5/1/2019 9:50:59 PM | 44616 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 5/1/2019 9:50:59 PM | 44616 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 5/1/2019 9:50:59 PM | 44616 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 5/1/2019 9:50:59 PM | 44616 |
| Xylenes, Total | ND | 0.095 | | mg/Kg | 1 | 5/1/2019 9:50:59 PM | 44616 |
| Surr: 4-Bromofluorobenzene | 91.3 | 80-120 | | %Rec | 1 | 5/1/2019 9:50:59 PM | 44616 |

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 | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order 1904D89
 Date Reported: 5/6/2019

CLIENT: Souder, Miller & Associates

Client Sample ID: SW3

Project: Janie Conner

Collection Date: 4/25/2019 12:00:00 PM

Lab ID: 1904D89-003

Matrix: SOIL

Received Date: 4/30/2019 9:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 370 | 60 | | mg/Kg | 20 | 5/1/2019 4:46:35 PM | 44638 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | ND | 8.7 | | mg/Kg | 1 | 5/1/2019 5:41:32 PM | 44624 |
| Motor Oil Range Organics (MRO) | ND | 44 | | mg/Kg | 1 | 5/1/2019 5:41:32 PM | 44624 |
| Surr: DNOP | 95.2 | 70-130 | | %Rec | 1 | 5/1/2019 5:41:32 PM | 44624 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 5/1/2019 11:01:26 PM | 44616 |
| Surr: BFB | 91.3 | 73.8-119 | | %Rec | 1 | 5/1/2019 11:01:26 PM | 44616 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 5/1/2019 11:01:26 PM | 44616 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 5/1/2019 11:01:26 PM | 44616 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 5/1/2019 11:01:26 PM | 44616 |
| Xylenes, Total | ND | 0.097 | | mg/Kg | 1 | 5/1/2019 11:01:26 PM | 44616 |
| Surr: 4-Bromofluorobenzene | 91.2 | 80-120 | | %Rec | 1 | 5/1/2019 11:01:26 PM | 44616 |

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 | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order 1904D89
 Date Reported: 5/6/2019

CLIENT: Souder, Miller & Associates

Client Sample ID: SW4

Project: Janie Conner

Collection Date: 4/25/2019 12:30:00 PM

Lab ID: 1904D89-004

Matrix: SOIL

Received Date: 4/30/2019 9:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 550 | 60 | | mg/Kg | 20 | 5/1/2019 4:59:00 PM | 44638 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | ND | 9.8 | | mg/Kg | 1 | 5/1/2019 6:03:52 PM | 44624 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 5/1/2019 6:03:52 PM | 44624 |
| Surr: DNOP | 94.4 | 70-130 | | %Rec | 1 | 5/1/2019 6:03:52 PM | 44624 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 5/1/2019 11:24:51 PM | 44616 |
| Surr: BFB | 89.5 | 73.8-119 | | %Rec | 1 | 5/1/2019 11:24:51 PM | 44616 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/1/2019 11:24:51 PM | 44616 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 5/1/2019 11:24:51 PM | 44616 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 5/1/2019 11:24:51 PM | 44616 |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 5/1/2019 11:24:51 PM | 44616 |
| Surr: 4-Bromofluorobenzene | 90.2 | 80-120 | | %Rec | 1 | 5/1/2019 11:24:51 PM | 44616 |

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 | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order 1904D89
 Date Reported: 5/6/2019

CLIENT: Souder, Miller & Associates

Client Sample ID: SW5

Project: Janie Conner

Collection Date: 4/26/2019 11:00:00 AM

Lab ID: 1904D89-005

Matrix: SOIL

Received Date: 4/30/2019 9:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 1200 | 60 | | mg/Kg | 20 | 5/1/2019 7:15:29 PM | 44662 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | ND | 9.1 | | mg/Kg | 1 | 5/1/2019 6:26:16 PM | 44624 |
| Motor Oil Range Organics (MRO) | ND | 45 | | mg/Kg | 1 | 5/1/2019 6:26:16 PM | 44624 |
| Surr: DNOP | 95.7 | 70-130 | | %Rec | 1 | 5/1/2019 6:26:16 PM | 44624 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 5/1/2019 11:48:23 PM | 44616 |
| Surr: BFB | 91.8 | 73.8-119 | | %Rec | 1 | 5/1/2019 11:48:23 PM | 44616 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/1/2019 11:48:23 PM | 44616 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 5/1/2019 11:48:23 PM | 44616 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 5/1/2019 11:48:23 PM | 44616 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 5/1/2019 11:48:23 PM | 44616 |
| Surr: 4-Bromofluorobenzene | 92.6 | 80-120 | | %Rec | 1 | 5/1/2019 11:48:23 PM | 44616 |

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 | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order 1904D89
 Date Reported: 5/6/2019

CLIENT: Souder, Miller & Associates

Client Sample ID: BH1

Project: Janie Conner

Collection Date: 4/25/2019 5:00:00 AM

Lab ID: 1904D89-006

Matrix: SOIL

Received Date: 4/30/2019 9:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 470 | 60 | | mg/Kg | 20 | 5/1/2019 7:52:42 PM | 44662 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | ND | 8.8 | | mg/Kg | 1 | 5/1/2019 6:48:17 PM | 44624 |
| Motor Oil Range Organics (MRO) | ND | 44 | | mg/Kg | 1 | 5/1/2019 6:48:17 PM | 44624 |
| Surr: DNOP | 94.8 | 70-130 | | %Rec | 1 | 5/1/2019 6:48:17 PM | 44624 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 5/2/2019 12:11:56 AM | 44616 |
| Surr: BFB | 89.0 | 73.8-119 | | %Rec | 1 | 5/2/2019 12:11:56 AM | 44616 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 5/2/2019 12:11:56 AM | 44616 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 5/2/2019 12:11:56 AM | 44616 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 5/2/2019 12:11:56 AM | 44616 |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 5/2/2019 12:11:56 AM | 44616 |
| Surr: 4-Bromofluorobenzene | 88.2 | 80-120 | | %Rec | 1 | 5/2/2019 12:11:56 AM | 44616 |

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 | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order 1904D89
 Date Reported: 5/6/2019

CLIENT: Souder, Miller & Associates

Client Sample ID: BH2

Project: Janie Conner

Collection Date: 4/25/2019 11:45:00 AM

Lab ID: 1904D89-007

Matrix: SOIL

Received Date: 4/30/2019 9:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 2300 | 150 | | mg/Kg | 50 | 5/2/2019 5:03:12 PM | 44662 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | ND | 10 | | mg/Kg | 1 | 5/1/2019 7:10:44 PM | 44624 |
| Motor Oil Range Organics (MRO) | ND | 50 | | mg/Kg | 1 | 5/1/2019 7:10:44 PM | 44624 |
| Surr: DNOP | 94.4 | 70-130 | | %Rec | 1 | 5/1/2019 7:10:44 PM | 44624 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 5/2/2019 12:35:23 AM | 44616 |
| Surr: BFB | 93.2 | 73.8-119 | | %Rec | 1 | 5/2/2019 12:35:23 AM | 44616 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/2/2019 12:35:23 AM | 44616 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 5/2/2019 12:35:23 AM | 44616 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 5/2/2019 12:35:23 AM | 44616 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 5/2/2019 12:35:23 AM | 44616 |
| Surr: 4-Bromofluorobenzene | 94.1 | 80-120 | | %Rec | 1 | 5/2/2019 12:35:23 AM | 44616 |

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 | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
 Lab Order **1904D89**
 Date Reported: 5/6/2019

CLIENT: Souder, Miller & Associates

Client Sample ID: BH3

Project: Janie Conner

Collection Date: 4/25/2019 4:15:00 AM

Lab ID: 1904D89-008

Matrix: SOIL

Received Date: 4/30/2019 9:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 1100 | 60 | | mg/Kg | 20 | 5/1/2019 9:07:10 PM | 44662 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | ND | 9.2 | | mg/Kg | 1 | 5/1/2019 7:33:04 PM | 44624 |
| Motor Oil Range Organics (MRO) | ND | 46 | | mg/Kg | 1 | 5/1/2019 7:33:04 PM | 44624 |
| Surr: DNOP | 75.2 | 70-130 | | %Rec | 1 | 5/1/2019 7:33:04 PM | 44624 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 5/2/2019 12:58:39 AM | 44616 |
| Surr: BFB | 100 | 73.8-119 | | %Rec | 1 | 5/2/2019 12:58:39 AM | 44616 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 5/2/2019 12:58:39 AM | 44616 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 5/2/2019 12:58:39 AM | 44616 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 5/2/2019 12:58:39 AM | 44616 |
| Xylenes, Total | ND | 0.097 | | mg/Kg | 1 | 5/2/2019 12:58:39 AM | 44616 |
| Surr: 4-Bromofluorobenzene | 99.3 | 80-120 | | %Rec | 1 | 5/2/2019 12:58:39 AM | 44616 |

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 | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1904D89**

Date Reported:

CLIENT: Souder, Miller & Associates

Client Sample ID: BH4

Project: Janie Conner

Collection Date: 4/26/2019 12:00:00 PM

Lab ID: 1904D89-009

Matrix: SOIL

Received Date: 4/30/2019 9:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|---------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 1400 | 59 | | mg/Kg | 20 | 5/1/2019 9:19:34 PM | 44662 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | 31 | 9.3 | | mg/Kg | 1 | 5/7/2019 9:51:36 AM | 44736 |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 5/7/2019 9:51:36 AM | 44736 |
| Surr: DNOP | 98.6 | 70-130 | | %Rec | 1 | 5/7/2019 9:51:36 AM | 44736 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 5/2/2019 1:22:15 AM | 44616 |
| Surr: BFB | 97.0 | 73.8-119 | | %Rec | 1 | 5/2/2019 1:22:15 AM | 44616 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/2/2019 1:22:15 AM | 44616 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 5/2/2019 1:22:15 AM | 44616 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 5/2/2019 1:22:15 AM | 44616 |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 5/2/2019 1:22:15 AM | 44616 |
| Surr: 4-Bromofluorobenzene | 97.0 | 80-120 | | %Rec | 1 | 5/2/2019 1:22:15 AM | 44616 |

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 | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1904D89

06-May-19

Client: Souder, Miller & Associates

Project: Janie Conner

| Sample ID: MB-44638 | SampType: mblk | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|----------------------------|--------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 44638 | RunNo: 59556 | | | | | | | | |
| Prep Date: 5/1/2019 | Analysis Date: 5/1/2019 | SeqNo: 2007895 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| Sample ID: LCS-44638 | SampType: ics | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|--------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 44638 | RunNo: 59556 | | | | | | | | |
| Prep Date: 5/1/2019 | Analysis Date: 5/1/2019 | SeqNo: 2007896 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 15 | 1.5 | 15.00 | 0 | 97.8 | 90 | 110 | | | |

| Sample ID: MB-44662 | SampType: mblk | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|----------------------------|--------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 44662 | RunNo: 59556 | | | | | | | | |
| Prep Date: 5/1/2019 | Analysis Date: 5/1/2019 | SeqNo: 2007930 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| Sample ID: LCS-44662 | SampType: ics | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|--------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 44662 | RunNo: 59556 | | | | | | | | |
| Prep Date: 5/1/2019 | Analysis Date: 5/1/2019 | SeqNo: 2007931 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 94.9 | 90 | 110 | | | |

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 | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1904D89

06-May-19

Client: Souder, Miller & Associates

Project: Janie Conner

| Sample ID: LCS-44624 | SampType: LCS | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|-----------------------------|--------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 44624 | | RunNo: 59549 | | | | | | | |
| Prep Date: 4/30/2019 | Analysis Date: 5/1/2019 | | SeqNo: 2006946 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 48 | 10 | 50.00 | 0 | 96.3 | 63.9 | 124 | | | |
| Surr: DNOP | 3.8 | | 5.000 | | 75.6 | 70 | 130 | | | |

| Sample ID: MB-44624 | SampType: MBLK | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|--------------------------------|--------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 44624 | | RunNo: 59549 | | | | | | | |
| Prep Date: 4/30/2019 | Analysis Date: 5/1/2019 | | SeqNo: 2006948 | | 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 | 8.2 | | 10.00 | | 81.9 | 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 Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of range due to dilution or matrix | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1904D89

06-May-19

Client: Souder, Miller & Associates

Project: Janie Conner

| Sample ID: LCS-44616 | SampType: LCS | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-------------------------------|--------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 44616 | RunNo: 59560 | | | | | | | | |
| Prep Date: 4/30/2019 | Analysis Date: 5/1/2019 | SeqNo: 2008126 | 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 | 97.8 | 80.1 | 123 | | | |
| Surr: BFB | 1000 | | 1000 | | 101 | 73.8 | 119 | | | |

| Sample ID: MB-44616 | SampType: MBLK | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | |
|-------------------------------|--------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 44616 | RunNo: 59560 | | | | | | | | |
| Prep Date: 4/30/2019 | Analysis Date: 5/1/2019 | SeqNo: 2008129 | 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 | 890 | | 1000 | | 88.9 | 73.8 | 119 | | | |

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 | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1904D89

06-May-19

Client: Souder, Miller & Associates

Project: Janie Conner

| Sample ID: LCS-44616 | SampType: LCS | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|-----------------------------|--------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 44616 | RunNo: 59560 | | | | | | | | |
| Prep Date: 4/30/2019 | Analysis Date: 5/1/2019 | SeqNo: 2008175 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.91 | 0.025 | 1.000 | 0 | 91.0 | 80 | 120 | | | |
| Toluene | 0.94 | 0.050 | 1.000 | 0 | 93.9 | 80 | 120 | | | |
| Ethylbenzene | 0.94 | 0.050 | 1.000 | 0 | 93.7 | 80 | 120 | | | |
| Xylenes, Total | 2.8 | 0.10 | 3.000 | 0 | 94.2 | 80 | 120 | | | |
| Surr: 4-Bromofluorobenzene | 0.92 | | 1.000 | | 92.2 | 80 | 120 | | | |

| Sample ID: MB-44616 | SampType: MBLK | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
|-----------------------------|--------------------------------|--|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 44616 | RunNo: 59560 | | | | | | | | |
| Prep Date: 4/30/2019 | Analysis Date: 5/1/2019 | SeqNo: 2008177 | 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 | 0.89 | | 1.000 | | 89.2 | 80 | 120 | | | |

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 | |

Sample Log-In Check List

Client Name: **SMA-CARLSBAD**

Work Order Number: **1904D89**

RcptNo: 1

Received By: **Isaiah Ortiz**

4/30/2019 9:00:00 AM

I-Ox

Completed By: **Isaiah Ortiz**

4/30/2019 9:15:28 AM

I-Ox

Reviewed By: *VVZ 4/30/19*
LB: ENM 4/30/19

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° 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. VOA vials have zero headspace? Yes No No VOA Vials
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

ENM 4/30/19

of preserved bottles checked for pH: _____
 (≤ 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: | <input type="text"/> | Date: | <input type="text"/> |
| By Whom: | <input type="text"/> | Via: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person |
| Regarding: | <input type="text"/> | | |
| Client Instructions: | <input type="text"/> | | |

16. Additional remarks:

17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 0.1 | Good | Yes | | | |

Chain-of-Custody Record

Client: SMA-Carlsbad.

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:

Standard Level 4 (Full Validation)

Accreditation: Az Compliance

NELAC Other

EDD (Type)

Turn-Around Time:

Standard Rush

Project Name:

Janie Connor (JC on pars)

Project #:

Project Manager:

Merodite Sanjani

Sampler: MPS

On Ice: Yes No

of Coolers: 1 (-0.2°)

Cooler Temp (including CF): 0.1°

Container Type and #

4oz.

Preservative Type

HEAL No. 1904089

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | BTEX / MTBE / TMBs (8021) | TPH 8015D (GRO / DRO / MRO) | 8081 Pesticides/8082 PCBs | 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) |
|---------|-------|--------|-------------|----------------------|-------------------|----------|---------------------------|-----------------------------|---------------------------|--------------------|--------------------------|---------------|--|------------|-----------------|---------------------------------|
| 4/25/19 | 4:50 | Soil | SW1 | 4oz. | | 1904089 | ✓ | ✓ | | | | | ✓ | | | |
| | 4:30 | | SW2 | | | | ✓ | ✓ | | | | | ✓ | | | |
| | 12:00 | | SW3 | | | | ✓ | ✓ | | | | | ✓ | | | |
| | 12:30 | | SW4 | | | | ✓ | ✓ | | | | | ✓ | | | |
| 4/26 | 11:00 | | SW5 | | | | ✓ | ✓ | | | | | ✓ | | | |
| 4/25 | 5:00 | | BH1 | | | | ✓ | ✓ | | | | | ✓ | | | |
| | 11:45 | | BH2 | | | | ✓ | ✓ | | | | | ✓ | | | |
| | 4:15 | | BH3 | | | | ✓ | ✓ | | | | | ✓ | | | |
| 4/26 | 12:00 | | BH4 | | | | ✓ | ✓ | | | | | ✓ | | | |

Date: 4/29 10:00

Relinquished by: M. Sanjani

Date: 4/29/19 1900

Relinquished by: [Signature]

Received by: [Signature]

Date: 4/29/19 1900

Received by: [Signature]

Date: 4/30/19 0900

Remarks:

Mataador

[Signature]



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

May 10, 2019

Melodie Sanjari
Souder, Miller & Associates
201 S Halagueno
Carlsbad, NM 88221
TEL: (575) 689-8801
FAX

RE: Janie Conner TB

OrderNo.: 1905372

Dear Melodie Sanjari:

Hall Environmental Analysis Laboratory received 2 sample(s) on 5/8/2019 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 light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1905372

Date Reported: 5/10/2019

CLIENT: Souder, Miller & Associates

Client Sample ID: BH2

Project: Janie Conner TB

Collection Date: 5/5/2019 12:00:00 PM

Lab ID: 1905372-001

Matrix: SOIL

Received Date: 5/8/2019 8:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|---------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 1100 | 59 | | mg/Kg | 20 | 5/9/2019 3:07:25 PM | 44826 |

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 | | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1905372

10-May-19

Client: Souder, Miller & Associates

Project: Janie Conner TB

| Sample ID: MB-44826 | SampType: mblk | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|----------------------------|--------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 44826 | RunNo: 59766 | | | | | | | | |
| Prep Date: 5/9/2019 | Analysis Date: 5/9/2019 | SeqNo: 2016237 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| Sample ID: LCS-44826 | SampType: ics | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------------|--------------------------------|---|---------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 44826 | RunNo: 59766 | | | | | | | | |
| Prep Date: 5/9/2019 | Analysis Date: 5/9/2019 | SeqNo: 2016238 | Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 95.0 | 90 | 110 | | | |

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 | |

Sample Log-In Check List

Client Name: **SMA-CARLSBAD**

Work Order Number: **1905372**

RcptNo: 1

Received By: **Isaiah Ortiz** 5/8/2019 8:50:00 AM

Completed By: **Leah Baca** 5/8/2019 9:27:45 AM

Reviewed By: **LB** 5/8/19

Labeled by **DAD** 5/8/19

I-Ox

Leah Baca

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° 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. VOA vials have zero headspace? Yes No No VOA Vials

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: **DAD** 5/8/19

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:

Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 2.3 | Good | Yes | | | |

APPENDIX E
EXCAVATION PHOTO





APPENDIX F
Background Soil Data Report in the
Loving/Malaga Area of Eddy County,
NM



October 17, 2018

NMOCD District 2
Ms. Maria Pruett
811 S. 1st Street
Artesia, NM 88210

SUBJECT: Background Soil Data Report around Malaga/ Loving in Eddy County, New Mexico

Dear Ms. Maria Pruett:

Souder, Miller & Associates (SMA) has prepared this Report that describes soils types and background chloride concentrations around the Loving and Malaga Area in Eddy County, New Mexico. Figure 1 illustrates the vicinity and site locations described in this report.

1.0 Background

The soil types located under and around the Loving and Malaga, New Mexico area have a moderate to high electrical conductivity (EC) according to United States Department of Agriculture (USDA) and Natural Resource Conservation Service NRCS. "(EC) is the electrolytic conductivity of an extract from saturated soil paste, expressed as decisiemens per meter at 25 degrees C. Electrical conductivity is a measure of the concentration of water-soluble salts in soils. It is used to indicate saline soils. High concentrations of neutral salts, such as sodium chloride and sodium sulfate." (NRCS soil sampling guide) According to the Eddy County Soil Survey soils are moderately high in sodium chloride and sodium sulfate with baseline (EC) from 2-5 decisiemens per meter at 25 degrees C see NRCS Electrical Conductivity Map (Appendix B).

SMA and Matador have confirmed this moderately high (EC) effect from the area soil types in several baseline sampling events conducted on Matadors behalf prior to E&P operations (see appendix A). All attached third party lab results have been collected in the same area soil types that surround the irrigated river valley near the Loving and Malaga, New Mexico. The five representative baseline sample events where collected by SMA and are summarized in (Table # 1).

- Tom Walters baseline soil data shows pre-Matador oil and gas operation EPA 300 Cl- from 2300ppm- 3900ppm
- Warren baseline soil data shows pre-Matador oil and gas operation EPA 300 Cl- from 170ppm- 2400ppm
- Guitar baseline soil data shows pre-Matador oil and gas operation EPA 300 Cl- from 2200ppm- 4000ppm
- B Banker baseline soil data shows pre-Matador oil and gas operation EPA 300 Cl- from 55ppm- 3500ppm
- Janie Conner Production Pad baseline soil data shows pre-Matador oil and gas operation EPA 300 Cl- from 170ppm- 1800ppm

In addition, SMA and Matador have confirmed this moderately high (EC) effect from the area soil types in Background delineation from sampling events conducted on Matadors behalf by SMA for remedial purposes.

- Paul background soil data BG1, BG2, and BG3 shows non-disturbed by Matador oil and gas operations EPA 300 Cl- from 43ppm-5300ppm
- Tiger background soil data BG1 shows non-disturbed by Matador oil and gas operations EPA 300 Cl- from 24ppm-4800ppm
- Janie Connor #221 background soil data B65 shows non-disturbed by Matador oil and gas operations EPA 300 Cl- from 79ppm-1200ppm

As outlined above, the high concentrations of neutral salts, such as sodium chloride and sodium sulfate should be found in the soil types; Gypsum Cottonwood, Karro Loam, Pima Silt, Regan and Reeves loams. Several samples were taken at one background location to a total depth of 10 feet and tested for sulfates. SMA has also included data from three other background locations in the same soil types as located at the Paul location. Sulfates can be used as a reference criterion on this release due to the natural parent material found in the area soil types and its low concentrations found in the produced water from the area wells, formations, and the Tiger Facility 2RF-106 (see attached data in appendix A). Four background sample locations (shown in Table #1) were used to establish the background level of sulfates in the area and serve as further proof of the NRCS, USDA and SMA baseline data. The samples were sent under chain-of-custody protocols to Hall Environmental Analysis Laboratory for analysis for sulfates (all lab reports are located in appendix A).

2.0 Soil Remediation Summary

This report has been created to show soil types and their water-soluble salts properties around Loving and Malaga, New Mexico. Soil data from online resources from United States Department of Agriculture, Natural Resource Conservation Service indicates certain soil types in the area have a moderate to high EC which indicates saline soils. Saline soils contain sodium chloride and sodium sulfate. SMA soil sampling prior to E&P operations and background samples during remediation activities were used to show laboratory data of these soils. It is shown from the laboratory that certain soil types have exhibited a higher chloride constitution.

3.0 Scope and Limitations

The scope of our services included: assessment sampling; verifying release stabilization; regulatory liaison; remediation; and preparing this report. All work has been performed in accordance with generally accepted professional environmental consulting practices for oil and gas releases in the Permian Basin in New Mexico.

If there are any questions regarding this report, please contact either Austin Weyant at 575-689-8801.

Submitted by:
SOUDER, MILLER & ASSOCIATES

Reviewed by:

Lucas C. Middleton
Staff Scientist

Austin Weyant
Senior Scientist

ATTACHMENTS:

Figures:

Figure 1: Sample Location Map

Tables:

Table 1: Summary of Sample Results

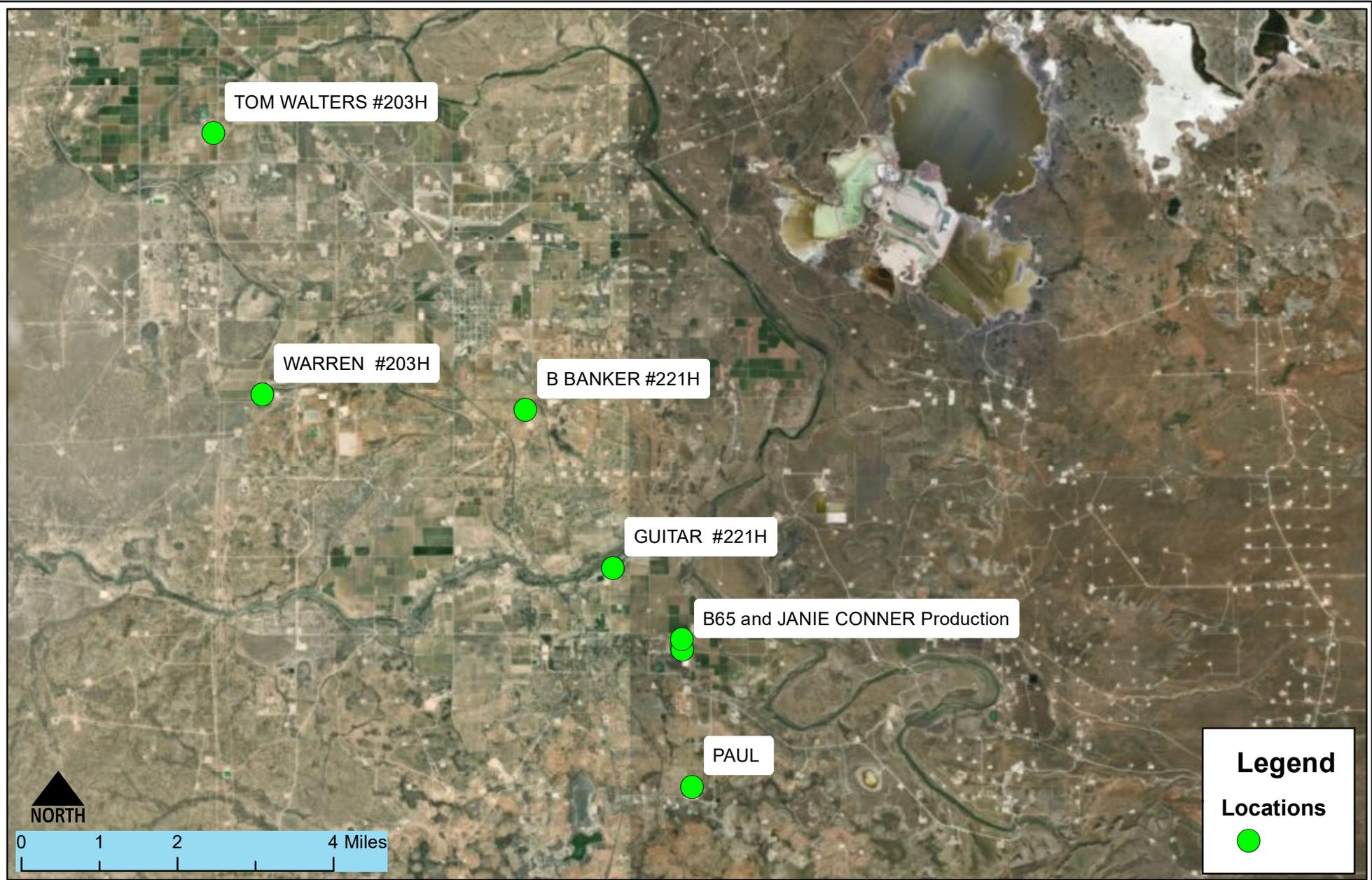
Appendices:

Appendix A: Laboratory Analytical Reports (BASELINE AND BACKGROUND)

Appendix B: NRCS ELECTRICAL CONDUCTIVITY MAP

Appendix C: NRCS Custom Soil Resource Report for Eddy Area, New Mexico

FIGURES



Sample Location Map
 Matador Locations
 Eddy County New Mexico

Figure 1

| | | | | |
|--|-----------|-------------|-----------|--------------|
| Date Saved: 10/16/2018 | By: _____ | Date: _____ | Revisions | Descr: _____ |
| | By: _____ | Date: _____ | | Descr: _____ |
| Copyright 2015 Souder, Miller & Associates - All Rights Reserved | | | | |

| | |
|----------|------------------------|
| Drawn | <u>Lucas Middleton</u> |
| Checked | _____ |
| Approved | _____ |



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

TABLES

Table 1

| SITE | Sample Number | Sample Date | Depth (feet bgs) | Action | Nitrate mg/L | Sulfate mg/Kg | Cl- Laboratory mg/Kg |
|-------------------------------------|---------------|-------------|------------------|------------|--------------|---------------|----------------------|
| JANIE CONNER #201, PRODUCTION | P1 | 7/22/2016 | 0.5' | Baseline | -- | -- | 170 |
| | P2 | 7/22/2016 | 0.5' | Baseline | -- | -- | 1600 |
| | P3 | 7/22/2016 | 0.5' | Baseline | -- | -- | 1800 |
| JANIE CONNER #221, West of Location | B65 | 9/18/2018 | 1' | BackGround | -- | -- | 1100 |
| | | 9/18/2018 | 2' | BackGround | -- | -- | 1200 |
| | | 9/18/2018 | 3' | BackGround | -- | -- | 550 |
| | | 9/18/2018 | 4' | BackGround | -- | -- | 840 |
| | | 9/18/2018 | 5' | BackGround | -- | -- | 79 |
| | | 9/18/2018 | 6' | BackGround | -- | -- | 110 |
| Tom Waltors | L1 | 10/20/2016 | 0.5 | Baseline | -- | -- | 3200 |
| | L2 | 10/20/2016 | 0.5 | Baseline | -- | -- | 3600 |
| | L3 | 10/20/2016 | 0.5 | Baseline | -- | -- | 3900 |
| | L4 | 10/20/2016 | 0.5 | Baseline | -- | -- | 2300 |
| | L5 | 10/20/2016 | 0.5 | Baseline | -- | -- | 3000 |
| Warren | L1 | 5/2/2017 | 0.5 | Baseline | -- | -- | 1100 |
| | L2 | 5/2/2017 | 0.5 | Baseline | -- | -- | 120 |
| | L3 | 5/2/2017 | 0.5 | Baseline | -- | -- | 170 |
| | L4 | 5/2/2017 | 0.5 | Baseline | -- | -- | 2400 |
| Guitar | L1 | 1/9/2017 | 0.5 | Baseline | -- | -- | 4000 |
| | L2 | 1/9/2017 | 0.5 | Baseline | -- | -- | 3500 |
| | L3 | 1/9/2017 | 0.5 | Baseline | -- | -- | 2200 |
| | L4 | 1/9/2017 | 0.5 | Baseline | -- | -- | 6300 |
| | L5 | 1/9/2017 | 0.5 | Baseline | -- | -- | 3800 |
| B Banker | BL1 | 5/3/2016 | 0.5 | Baseline | -- | -- | <20 |
| | BL2 | 5/3/2016 | 0.5 | Baseline | -- | -- | 120 |
| | BL3 | 5/3/2016 | 0.5 | Baseline | -- | -- | 55 |
| | BL4 | 5/3/2016 | 0.5 | Baseline | -- | -- | 3500 |
| | BL5 | 5/3/2016 | 0.5 | Baseline | -- | -- | <20 |
| Paul | BG1 | 6/7/2017 | 0.5 | Background | -- | -- | 43 |
| | | 6/7/2017 | 1 | Background | -- | -- | 2600 |
| | | 6/7/2017 | 2 | Background | -- | -- | 3000 |
| | | 6/7/2017 | 4 | Background | -- | -- | 5300 |
| | BG2 | 6/7/2017 | 0.5 | Background | -- | -- | <30 |
| | | 6/7/2017 | 1 | Background | -- | -- | 530 |
| | | 6/7/2017 | 2 | Background | -- | -- | 1500 |
| | | 6/7/2017 | 4 | Background | -- | -- | 2600 |
| Paul | BGC | 6/12/2017 | 0.5 | Background | 6.3 | 4800 | 24 |
| | | 6/12/2017 | 1 | Background | <1.5 | 7700 | 1000 |
| | | 6/12/2017 | 2 | Background | 1.5 | 10000 | 3200 |
| | | 6/12/2017 | 3 | Background | 1.6 | 7800 | 4800 |
| | | 6/12/2017 | 4 | Background | <1.5 | 9500 | 4800 |
| | | 6/12/2017 | 6 | Background | <1.5 | 5300 | 3500 |
| | | 6/12/2017 | 8 | Background | 1.6 | 8300 | 2400 |
| | | 6/12/2017 | 10 | Background | <1.5 | 7200 | 2700 |
| | | 6/12/2017 | 12 | Background | <1.5 | 7100 | 1300 |

"--" = Not Analyzed

APPENDIX A:
LABORATORY ANALYTICAL
REPORTS (BASELINE AND
BACKGROUND)



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

September 28, 2018

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

RE: Janie Connol B65

OrderNo.: 1809C05

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 6 sample(s) on 9/20/2018 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 in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order: 1809C05

Date Reported: 9/28/2018

CLIENT: Souder, Miller & Associates

Lab Order: 1809C05

Project: Janie Connol B65

Lab ID: 1809C05-001

Collection Date: 9/18/2018 11:00:00 AM

Client Sample ID: B65-1

Matrix: SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch ID |
|----------|--------|-----|------|-------|----|---------------|----------|
|----------|--------|-----|------|-------|----|---------------|----------|

EPA METHOD 300.0: ANIONS

Analyst: **smb**

| | | | | | | | |
|----------|------|----|--|-------|----|----------------------|-------|
| Chloride | 1100 | 30 | | mg/Kg | 20 | 9/26/2018 5:13:32 PM | 40598 |
|----------|------|----|--|-------|----|----------------------|-------|

Lab ID: 1809C05-002

Collection Date: 9/18/2018 11:10:00 AM

Client Sample ID: B65-2

Matrix: SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch ID |
|----------|--------|-----|------|-------|----|---------------|----------|
|----------|--------|-----|------|-------|----|---------------|----------|

EPA METHOD 300.0: ANIONS

Analyst: **smb**

| | | | | | | | |
|----------|------|----|--|-------|----|-----------------------|-------|
| Chloride | 1300 | 75 | | mg/Kg | 50 | 9/27/2018 10:23:02 PM | 40598 |
|----------|------|----|--|-------|----|-----------------------|-------|

Lab ID: 1809C05-003

Collection Date: 9/18/2018 11:20:00 AM

Client Sample ID: B65-3

Matrix: SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch ID |
|----------|--------|-----|------|-------|----|---------------|----------|
|----------|--------|-----|------|-------|----|---------------|----------|

EPA METHOD 300.0: ANIONS

Analyst: **smb**

| | | | | | | | |
|----------|-----|----|--|-------|----|----------------------|-------|
| Chloride | 550 | 30 | | mg/Kg | 20 | 9/26/2018 6:03:10 PM | 40598 |
|----------|-----|----|--|-------|----|----------------------|-------|

Lab ID: 1809C05-004

Collection Date: 9/18/2018 11:30:00 AM

Client Sample ID: B65-4

Matrix: SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch ID |
|----------|--------|-----|------|-------|----|---------------|----------|
|----------|--------|-----|------|-------|----|---------------|----------|

EPA METHOD 300.0: ANIONS

Analyst: **smb**

| | | | | | | | |
|----------|-----|----|--|-------|----|----------------------|-------|
| Chloride | 840 | 30 | | mg/Kg | 20 | 9/26/2018 6:15:34 PM | 40598 |
|----------|-----|----|--|-------|----|----------------------|-------|

Lab ID: 1809C05-005

Collection Date: 9/18/2018 11:40:00 AM

Client Sample ID: B65-5

Matrix: SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch ID |
|----------|--------|-----|------|-------|----|---------------|----------|
|----------|--------|-----|------|-------|----|---------------|----------|

EPA METHOD 300.0: ANIONS

Analyst: **smb**

| | | | | | | | |
|----------|----|----|--|-------|----|----------------------|-------|
| Chloride | 79 | 30 | | mg/Kg | 20 | 9/26/2018 6:27:59 PM | 40598 |
|----------|----|----|--|-------|----|----------------------|-------|

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

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

- 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 Detection Limit

Analytical Report

Lab Order: **1809C05**

Date Reported: **9/28/2018**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates

Lab Order: 1809C05

Project: Janie Connol B65

Lab ID: 1809C05-006

Collection Date: 9/18/2018 11:50:00 AM

Client Sample ID: B65-6

Matrix: SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch ID |
|---------------------------------|--------|-----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: smb |
| Chloride | 110 | 30 | | mg/Kg | 20 | 9/26/2018 6:40:24 PM | 40598 |

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 Detection Limit |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1809C05

28-Sep-18

Client: Souder, Miller & Associates

Project: Janie Connol B65

| Sample ID MB-40598 | SampType: mblk | | TestCode: EPA Method 300.0: Anions | | | | | | | |
|-----------------------------|---------------------------------|-----|---|---------------------|------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 40598 | | RunNo: 54458 | | | | | | | |
| Prep Date: 9/26/2018 | Analysis Date: 9/26/2018 | | SeqNo: 1805031 | Units: mg/Kg | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| Sample ID LCS-40598 | SampType: lcs | | TestCode: EPA Method 300.0: Anions | | | | | | | |
|-----------------------------|---------------------------------|-----|---|---------------------|------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 40598 | | RunNo: 54458 | | | | | | | |
| Prep Date: 9/26/2018 | Analysis Date: 9/26/2018 | | SeqNo: 1805032 | Units: mg/Kg | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 94.8 | 90 | 110 | | | |

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 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
 4901 Hawkins NE
 Albuquerque, NM 87105
 TEL: 505-345-3975 FAX: 505-345-4107
 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: SMA-CARLSBAD

Work Order Number: 1809C05

RcptNo: 1

Received By: Erin Melendrez 9/20/2018 8:50:00 AM

EM

Completed By: Ashley Gallegos 9/20/2018 12:42:23 PM

AG

Reviewed By: *JAB 09/20/18*

labeled by ENM 9/20/18

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° 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. VOA vials have zero headspace? Yes No No VOA Vials
 10. Were any sample containers received broken? Yes No
 11. Does paperwork match bottle labels? Yes No
 (Note discrepancies on chain of custody)
 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? Yes No
 (If no, notify customer for authorization.)

of preserved bottles checked for pH: _____
 Adjusted? or 0.2 unless noted
 Checked by: _____

ENM 9/20/18

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:

Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 0.2 | Good | Yes | | | |

Chain-of-Custody Record

Client: SMA Turn-Around Time: 5 day
 Standard Rush
 Project Name: Janie Canal BGS
 Mailing Address: Carlsbad
 Project #: _____
 Phone #: _____
 email or Fax#: _____
 QA/QC Package: Level 4 (Full Validation)
 Standard Other _____
 Accreditation
 NELAP Other _____
 EDD (Type) _____

Project Manager: Arash Weyn
 Sampler: LED
 On Ice: Yes No
 Sample Temperature: 11-09 (C) = 0.2
 Container Type and # _____ HEAL No: 1829205
 Preservative Type _____
 Date _____ Sample Request ID _____
 Matrix _____
 Time _____

| Date | Time | Matrix | Sample Request ID | Container Type and # | Preservative Type | HEAL No |
|---------|-------|--------|-------------------|----------------------|-------------------|---------|
| 9-18-18 | 11:00 | Soil | B65-1 | A02 | | -001 |
| | 11:10 | | B65-2 | | | -002 |
| | 11:20 | | B65-3 | | | -003 |
| | 11:30 | | B65-4 | | | -004 |
| | 11:40 | | B65-5 | | | -005 |
| | 11:50 | | B65-6 | | | -006 |

Received by: [Signature] Date: 9/19/18 Time: 11:00
 Relinquished by: [Signature]
 Received by: Witt Date: 9/20/18 Time: 0850
 Relinquished by: [Signature]
 Date: 9/19/18 Time: 11:00
 Remarks: Marked



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 + TMBs (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 PCBs | 8260B (VOA) | 8270 (Semi-VOA) | Air Bubbles (Y or N) |
|---------------------------|------------------------------|-----------------------------|--------------------|--------------------|---------------------------|---------------|--|-----------------------------|-------------|-----------------|----------------------|
| | | | | | | | | | | | |

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.



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

November 16, 2016

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

RE: Tom Waltors

OrderNo.: 1611165

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 5 sample(s) on 11/1/2016 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 qualifers 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Project: Tom Walters

Lab Order: 1611165

Lab ID: 1611165-001

Collection Date: 10/20/2016 10:00:00 AM

Client Sample ID: L1

Matrix: SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch ID |
|----------|--------|-----|------|-------|----|---------------|----------|
|----------|--------|-----|------|-------|----|---------------|----------|

EPA METHOD 300.0: ANIONS

Analyst: MRA

| | | | | | | | |
|----------|------|-----|--|-------|-----|-----------------------|-------|
| Chloride | 3200 | 150 | | mg/Kg | 100 | 11/14/2016 1:24:36 PM | 28450 |
|----------|------|-----|--|-------|-----|-----------------------|-------|

Lab ID: 1611165-002

Collection Date: 10/20/2016 10:00:00 AM

Client Sample ID: L2

Matrix: SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch ID |
|----------|--------|-----|------|-------|----|---------------|----------|
|----------|--------|-----|------|-------|----|---------------|----------|

EPA METHOD 300.0: ANIONS

Analyst: MRA

| | | | | | | | |
|----------|------|-----|--|-------|-----|-----------------------|-------|
| Chloride | 3600 | 150 | | mg/Kg | 100 | 11/14/2016 1:37:01 PM | 28450 |
|----------|------|-----|--|-------|-----|-----------------------|-------|

Lab ID: 1611165-003

Collection Date: 10/20/2016 10:00:00 AM

Client Sample ID: L3

Matrix: SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch ID |
|----------|--------|-----|------|-------|----|---------------|----------|
|----------|--------|-----|------|-------|----|---------------|----------|

EPA METHOD 300.0: ANIONS

Analyst: MRA

| | | | | | | | |
|----------|------|-----|--|-------|-----|-----------------------|-------|
| Chloride | 3900 | 150 | | mg/Kg | 100 | 11/14/2016 1:49:25 PM | 28450 |
|----------|------|-----|--|-------|-----|-----------------------|-------|

Lab ID: 1611165-004

Collection Date: 10/20/2016 10:00:00 AM

Client Sample ID: L4

Matrix: SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch ID |
|----------|--------|-----|------|-------|----|---------------|----------|
|----------|--------|-----|------|-------|----|---------------|----------|

EPA METHOD 300.0: ANIONS

Analyst: MRA

| | | | | | | | |
|----------|------|-----|--|-------|-----|-----------------------|-------|
| Chloride | 2300 | 150 | | mg/Kg | 100 | 11/14/2016 2:01:50 PM | 28450 |
|----------|------|-----|--|-------|-----|-----------------------|-------|

Lab ID: 1611165-005

Collection Date: 10/20/2016 10:00:00 AM

Client Sample ID: L5

Matrix: SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch ID |
|----------|--------|-----|------|-------|----|---------------|----------|
|----------|--------|-----|------|-------|----|---------------|----------|

EPA METHOD 300.0: ANIONS

Analyst: MRA

| | | | | | | | |
|----------|------|-----|--|-------|-----|-----------------------|-------|
| Chloride | 3000 | 150 | | mg/Kg | 100 | 11/14/2016 2:14:14 PM | 28450 |
|----------|------|-----|--|-------|-----|-----------------------|-------|

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 |
| | R RPD outside accepted recovery limits | 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#: 1611165

16-Nov-16

Client: Souder, Miller & Associates

Project: Tom Walters

| | | | | | | | | | | |
|------------|------------------|----------------|------------------|-------------|---------------------------------|----------|--------------|------|----------|------|
| Sample ID | MB-28450 | SampType: | mblk | TestCode: | EPA Method 300.0: Anions | | | | | |
| Client ID: | PBS | Batch ID: | 28450 | RunNo: | 38449 | | | | | |
| Prep Date: | 11/3/2016 | Analysis Date: | 11/3/2016 | SeqNo: | 1200952 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| | | | | | | | | | | |
|------------|------------------|----------------|------------------|-------------|---------------------------------|----------|--------------|------|----------|------|
| Sample ID | LCS-28450 | SampType: | lcs | TestCode: | EPA Method 300.0: Anions | | | | | |
| Client ID: | LCSS | Batch ID: | 28450 | RunNo: | 38449 | | | | | |
| Prep Date: | 11/3/2016 | Analysis Date: | 11/3/2016 | SeqNo: | 1200953 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 94.4 | 90 | 110 | | | |

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 |
| R RPD outside accepted recovery limits | 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
 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: 1611165

RcptNo: 1

Received by/date:

AG

11/01/16

Logged By:

Ashley Gallegos

11/1/2016 10:00:00 AM

AG

Completed By:

Ashley Gallegos

11/2/2016 9:49:24 PM

AG

Reviewed By:

as

11/03/16

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 # of preserved bottles checked for pH: (<2 or >12 unless noted)
- 12. Does paperwork match bottle labels? Yes No Adjusted?
- (Note discrepancies on chain of custody)
- 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? Yes No Checked by:
- (If no, notify customer for authorization.)

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: Souder, Miller and Associates

Mailing Address:

201 S. Halagueno

Phone #: 575-689-5351

email or Fax#: lucas.maddaloni@soudermiller.com

QM/QC Package:

Standard Level 4 (Full Validation)

Accreditation:

NELAP Other

EDD (Type)

Sampler: LCM

On Ice: Yes No

Sample Temperature: 4,106

Date Time Matrix Sample Request ID

10/20/16 10:00 So.1 L1
 / / / L2
 / / / L3
 / / / L4
 / / / L5

Container Type and #

A02

Preservative Type

HEAL No.

1611105
 -001
 -002
 -003
 -004
 -005

Date: Time

Relinquished by:

Received by: Date Time

Austin Arnold 11/01/16 1000

Date: Time

Relinquished by:

Received by: Date Time

Turn-Around Time:

Standard Rush

Project Name:

Tom Walters

Project #:

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

| | | | | | | | | | | | | | | | | | | | | | |
|------------------|-----------------|-------------|------------------------------|--|---------------|-------------------|--------------------|--------------------|-------------------------------|------------------------------|----------------------------|-------------------------------|--------------------|--------------------|-------------------|---------------|--|------------------------------|-------------|-----------------|---------------------|
| Analysis Request | 8270 (Semi-VOA) | 8260B (VOA) | 8081 Pesticides / 8082 PCB's | Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄) | RCRA 8 Metals | 8310 (PNA or PAH) | EDB (Method 504.1) | TPH (Method 418.1) | TPH Method 8015B (Gas/Diesel) | BTEX + MTBE + TPH (Gas only) | BTEX + MTBE + TMB's (8021) | TPH Method 8015B (Gas/Diesel) | TPH (Method 418.1) | EDB (Method 504.1) | 8310 (PNA or PAH) | RCRA 8 Metals | Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄) | 8081 Pesticides / 8082 PCB's | 8260B (VOA) | 8270 (Semi-VOA) | Ar Bubbles (Y or N) |
|------------------|-----------------|-------------|------------------------------|--|---------------|-------------------|--------------------|--------------------|-------------------------------|------------------------------|----------------------------|-------------------------------|--------------------|--------------------|-------------------|---------------|--|------------------------------|-------------|-----------------|---------------------|

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 noted on the analytical report.



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

June 16, 2017

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

RE: Warner

OrderNo.: 1706268

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 4 sample(s) on 6/6/2017 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order: 1706268

Date Reported: 6/16/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
 Project: Warner

Lab Order: 1706268

Lab ID: 1706268-001

Collection Date: 5/2/2017 11:00:00 AM

Client Sample ID: L1

Matrix: SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch ID |
|----------|--------|-----|------|-------|----|---------------|----------|
|----------|--------|-----|------|-------|----|---------------|----------|

EPA METHOD 300.0: ANIONS

Analyst: MRA

| | | | | | | | |
|----------|------|----|---|-------|----|----------------------|-------|
| Chloride | 1100 | 75 | H | mg/Kg | 50 | 6/12/2017 5:12:47 PM | 32211 |
|----------|------|----|---|-------|----|----------------------|-------|

Lab ID: 1706268-002

Collection Date: 5/2/2017 11:00:00 AM

Client Sample ID: L2

Matrix: SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch ID |
|----------|--------|-----|------|-------|----|---------------|----------|
|----------|--------|-----|------|-------|----|---------------|----------|

EPA METHOD 300.0: ANIONS

Analyst: LGT

| | | | | | | | |
|----------|-----|----|---|-------|----|-----------------------|-------|
| Chloride | 120 | 30 | H | mg/Kg | 20 | 6/10/2017 12:08:34 AM | 32211 |
|----------|-----|----|---|-------|----|-----------------------|-------|

Lab ID: 1706268-003

Collection Date: 5/2/2017 11:00:00 AM

Client Sample ID: L3

Matrix: SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch ID |
|----------|--------|-----|------|-------|----|---------------|----------|
|----------|--------|-----|------|-------|----|---------------|----------|

EPA METHOD 300.0: ANIONS

Analyst: LGT

| | | | | | | | |
|----------|-----|----|---|-------|----|-----------------------|-------|
| Chloride | 170 | 30 | H | mg/Kg | 20 | 6/10/2017 12:20:59 AM | 32211 |
|----------|-----|----|---|-------|----|-----------------------|-------|

Lab ID: 1706268-004

Collection Date: 5/2/2017 11:00:00 AM

Client Sample ID: L4

Matrix: SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch ID |
|----------|--------|-----|------|-------|----|---------------|----------|
|----------|--------|-----|------|-------|----|---------------|----------|

EPA METHOD 300.0: ANIONS

Analyst: MRA

| | | | | | | | |
|----------|------|----|---|-------|----|----------------------|-------|
| Chloride | 2400 | 75 | H | mg/Kg | 50 | 6/12/2017 5:25:11 PM | 32211 |
|----------|------|----|---|-------|----|----------------------|-------|

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

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
- RL Reporting Detection Limit

- 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
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1706268

16-Jun-17

Client: Souder, Miller & Associates

Project: Warner

| | | | | | | | | | | |
|------------|-----------------|----------------|-----------------|-------------|---------------------------------|----------|--------------|------|----------|------|
| Sample ID | MB-32211 | SampType: | MBLK | TestCode: | EPA Method 300.0: Anions | | | | | |
| Client ID: | PBS | Batch ID: | 32211 | RunNo: | 43415 | | | | | |
| Prep Date: | 6/9/2017 | Analysis Date: | 6/9/2017 | SeqNo: | 1366812 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| | | | | | | | | | | |
|------------|------------------|----------------|-----------------|-------------|---------------------------------|----------|--------------|------|----------|------|
| Sample ID | LCS-32211 | SampType: | LCS | TestCode: | EPA Method 300.0: Anions | | | | | |
| Client ID: | LCSS | Batch ID: | 32211 | RunNo: | 43415 | | | | | |
| Prep Date: | 6/9/2017 | Analysis Date: | 6/9/2017 | SeqNo: | 1366813 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 94.8 | 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
- RL Reporting Detection Limit
- 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
- R RPD outside accepted recovery limits
- S % Recovery outside of range due to dilution or matrix



Sample Log-In Check List

Client Name: SMA-CARLSBAD

Work Order Number: 1706268

RcptNo: 1

Received By: **Richie Eriacho** 6/6/2017 10:15:00 AM

Completed By: **Richie Eriacho** 6/6/2017 2:19:36 PM

Reviewed By: *SRE 06/06/17*

RE
RE

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: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> 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 | 2.6 | Good | | | | |



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Client: SMA Carlsbad

Standard Rush

Project Name: Warner

Project #: £

Project Manager: Austin Weyant

Sampler: LCM

On Ice: Yes No

Sample Temperature: 2-6 °C

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

Accreditation: NELAP Other

EDD (Type)

| Date | Time | Matrix | Sample Request ID | Container Type and # | Preservative Type | HEAL No. |
|--------|-------|--------|-------------------|----------------------|-------------------|----------|
| 5/2/17 | 11 am | Soil | L1 | 402 | | 1700268 |
| 5/2/17 | 11 am | Soil | L2 | 402 | | -001 |
| 5/2/17 | 11 am | Soil | L3 | 402 | | -002 |
| 5/2/17 | 11 am | Soil | L4 | 402 | | -003 |
| | | | | | | -004 |

Received by: [Signature] Date: 6/5/17 Time: 1400

Received by: [Signature] Date: 6/16/17 Time: 1015

| BTEX + MTBE + TMB's (8021) | BTEX + MTBE + TPH (Gas only) | TPH Method 8015B (Gas/Diesel) | TPH (Method 418.1) | EDB (Method 504.1) | 8310 (PNA or PAH) | RCRA 8 Metals | Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄) | 8081 Pesticides / 8082 PCB's | 8260B (VOA) | 8270 (Semi-VOA) |
|----------------------------|------------------------------|-------------------------------|--------------------|--------------------|-------------------|---------------|--|------------------------------|-------------|-----------------|
| | | | | | | | ✓ | | | |
| | | | | | | | ✓ | | | |
| | | | | | | | ✓ | | | |
| | | | | | | | ✓ | | | |

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.



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

January 24, 2017

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

RE: Guitas #221

OrderNo.: 1701762

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 5 sample(s) on 1/18/2017 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order: 1701762

Date Reported: 1/24/2017

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Souder, Miller & Associates
Project: Guitas #221

Lab Order: 1701762

Lab ID: 1701762-001

Collection Date: 1/9/2017 7:00:00 AM

Client Sample ID: L1

Matrix: SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch ID |
|----------|--------|-----|------|-------|----|---------------|----------|
|----------|--------|-----|------|-------|----|---------------|----------|

EPA METHOD 300.0: ANIONS

Analyst: LGT

| | | | | | | | |
|----------|------|-----|--|-------|-----|----------------------|-------|
| Chloride | 4000 | 150 | | mg/Kg | 100 | 1/23/2017 1:29:23 PM | 29816 |
|----------|------|-----|--|-------|-----|----------------------|-------|

Lab ID: 1701762-002

Collection Date: 1/9/2017 7:00:00 AM

Client Sample ID: L2

Matrix: SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch ID |
|----------|--------|-----|------|-------|----|---------------|----------|
|----------|--------|-----|------|-------|----|---------------|----------|

EPA METHOD 300.0: ANIONS

Analyst: LGT

| | | | | | | | |
|----------|------|-----|--|-------|-----|----------------------|-------|
| Chloride | 3500 | 150 | | mg/Kg | 100 | 1/23/2017 1:41:48 PM | 29816 |
|----------|------|-----|--|-------|-----|----------------------|-------|

Lab ID: 1701762-003

Collection Date: 1/9/2017 7:00:00 AM

Client Sample ID: L3

Matrix: SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch ID |
|----------|--------|-----|------|-------|----|---------------|----------|
|----------|--------|-----|------|-------|----|---------------|----------|

EPA METHOD 300.0: ANIONS

Analyst: LGT

| | | | | | | | |
|----------|------|-----|--|-------|-----|----------------------|-------|
| Chloride | 2200 | 150 | | mg/Kg | 100 | 1/23/2017 2:19:02 PM | 29816 |
|----------|------|-----|--|-------|-----|----------------------|-------|

Lab ID: 1701762-004

Collection Date: 1/9/2017 7:00:00 AM

Client Sample ID: L4

Matrix: SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch ID |
|----------|--------|-----|------|-------|----|---------------|----------|
|----------|--------|-----|------|-------|----|---------------|----------|

EPA METHOD 300.0: ANIONS

Analyst: LGT

| | | | | | | | |
|----------|------|-----|--|-------|-----|----------------------|-------|
| Chloride | 6300 | 300 | | mg/Kg | 200 | 1/23/2017 2:31:27 PM | 29816 |
|----------|------|-----|--|-------|-----|----------------------|-------|

Lab ID: 1701762-005

Collection Date: 1/9/2017 7:00:00 AM

Client Sample ID: L5

Matrix: SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch ID |
|----------|--------|-----|------|-------|----|---------------|----------|
|----------|--------|-----|------|-------|----|---------------|----------|

EPA METHOD 300.0: ANIONS

Analyst: LGT

| | | | | | | | |
|----------|------|-----|--|-------|-----|----------------------|-------|
| Chloride | 3800 | 150 | | mg/Kg | 100 | 1/23/2017 2:43:51 PM | 29816 |
|----------|------|-----|--|-------|-----|----------------------|-------|

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 | Page 1 of 2 |
| | ND Not Detected at the Reporting Limit | P Sample pH Not In Range | |
| | R RPD outside accepted recovery limits | 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#: 1701762

24-Jan-17

Client: Souder, Miller & Associates

Project: Guitas #221

| | | | | | | | | | | |
|------------|------------------|----------------|------------------|-------------|---------------------------------|----------|--------------|------|----------|------|
| Sample ID | MB-29816 | SampType: | MBLK | TestCode: | EPA Method 300.0: Anions | | | | | |
| Client ID: | PBS | Batch ID: | 29816 | RunNo: | 40191 | | | | | |
| Prep Date: | 1/20/2017 | Analysis Date: | 1/20/2017 | SeqNo: | 1260055 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| | | | | | | | | | | |
|------------|------------------|----------------|------------------|-------------|---------------------------------|----------|--------------|------|----------|------|
| Sample ID | LCS-29816 | SampType: | LCS | TestCode: | EPA Method 300.0: Anions | | | | | |
| Client ID: | LCSS | Batch ID: | 29816 | RunNo: | 40191 | | | | | |
| Prep Date: | 1/20/2017 | Analysis Date: | 1/20/2017 | SeqNo: | 1260056 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 93.8 | 90 | 110 | | | |

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 |
| R RPD outside accepted recovery limits | 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
 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: 1701762

RcptNo: 1

Received by/date:

AG

01/18/17

Logged By: Ashley Gallegos

1/18/2017 9:30:00 AM

AG

Completed By: Ashley Gallegos

1/18/2017 12:28:42 PM

AG

Reviewed By:

AG

01/18/17

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? Yes No
 (Note discrepancies on chain of custody)
- 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? Yes No
 (If no, notify customer for authorization.)

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: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> 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 | 2.0 | Good | Yes | | | |

Chain-of-Custody Record



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Client: SMA - Carlsbad Turn-Around Time: Standard Rush

Project Name: Guital #221

Project #: _____

Project Manager: Arista Weyant

Sampler: LCR

On Ice: Yes No

Sample Temperature: 3.0-10CF

HEAL No. 1701763

| Date | Time | Matrix | Sample Request ID | Container Type and # | Preservative Type |
|--------|------|--------|-------------------|----------------------|-------------------|
| 1-9-16 | 2:00 | soil | L1 | 402 | -001 |
| | | | L2 | | -002 |
| | | | L3 | | -003 |
| | | | L4 | | -004 |
| | | | L5 | | -005 |

Relinquished by: _____ Date: 1-17-17 Time: 9:00

Received by: [Signature] Date: 1/16/17 Time: 0930

| Analysis Request | |
|---|---|
| BTEX + MTBE + TMBs (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 (Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄) | X |
| 8081 Pesticides / 8082 PCB's | |
| 8260B (VOA) | |
| 8270 (Semi-VOA) | |
| Air Bubbles (Y or N) | |

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.



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

May 12, 2016

Austin Weyant

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

RE: B Banker

OrderNo.: 1605079

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 5 sample(s) on 5/3/2016 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1605079

Date Reported: 5/12/2016

CLIENT: Souder, Miller & Associates

Client Sample ID: BL-1

Project: B Banker

Collection Date: 4/29/2016 12:00:00 PM

Lab ID: 1605079-001

Matrix: SOIL

Received Date: 5/3/2016 9:40:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: LGT |
| Chloride | ND | 30 | | mg/Kg | 20 | 5/9/2016 1:49:28 PM | 25197 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | ND | 9.9 | | mg/Kg | 1 | 5/6/2016 6:49:57 PM | 25139 |
| Surr: DNOP | 21.1 | 70-130 | S | %Rec | 1 | 5/6/2016 6:49:57 PM | 25139 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 5/4/2016 12:04:04 PM | 25130 |
| Surr: BFB | 95.0 | 80-120 | | %Rec | 1 | 5/4/2016 12:04:04 PM | 25130 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Methyl tert-butyl ether (MTBE) | ND | 0.099 | | mg/Kg | 1 | 5/4/2016 12:04:04 PM | 25130 |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/4/2016 12:04:04 PM | 25130 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 5/4/2016 12:04:04 PM | 25130 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 5/4/2016 12:04:04 PM | 25130 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 5/4/2016 12:04:04 PM | 25130 |
| Surr: 4-Bromofluorobenzene | 95.7 | 80-120 | | %Rec | 1 | 5/4/2016 12:04:04 PM | 25130 |

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 |
| R | RPD outside accepted recovery limits | 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.

Analytical Report

Lab Order 1605079

Date Reported: 5/12/2016

CLIENT: Souder, Miller & Associates

Client Sample ID: BL-2

Project: B Banker

Collection Date: 4/29/2016 12:00:00 PM

Lab ID: 1605079-002

Matrix: SOIL

Received Date: 5/3/2016 9:40:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: LGT |
| Chloride | 120 | 30 | | mg/Kg | 20 | 5/9/2016 2:26:42 PM | 25197 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | ND | 9.9 | | mg/Kg | 1 | 5/6/2016 7:11:48 PM | 25139 |
| Surr: DNOP | 14.6 | 70-130 | S | %Rec | 1 | 5/6/2016 7:11:48 PM | 25139 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 5/4/2016 10:50:01 PM | 25130 |
| Surr: BFB | 95.7 | 80-120 | | %Rec | 1 | 5/4/2016 10:50:01 PM | 25130 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Methyl tert-butyl ether (MTBE) | ND | 0.096 | | mg/Kg | 1 | 5/4/2016 10:50:01 PM | 25130 |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 5/4/2016 10:50:01 PM | 25130 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 5/4/2016 10:50:01 PM | 25130 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 5/4/2016 10:50:01 PM | 25130 |
| Xylenes, Total | ND | 0.096 | | mg/Kg | 1 | 5/4/2016 10:50:01 PM | 25130 |
| Surr: 4-Bromofluorobenzene | 96.5 | 80-120 | | %Rec | 1 | 5/4/2016 10:50:01 PM | 25130 |

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 |
| | R RPD outside accepted recovery limits | 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.

Analytical Report

Lab Order 1605079

Date Reported: 5/12/2016

CLIENT: Souder, Miller & Associates

Client Sample ID: BL-3

Project: B Banker

Collection Date: 4/29/2016 12:00:00 PM

Lab ID: 1605079-003

Matrix: SOIL

Received Date: 5/3/2016 9:40:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: LGT |
| Chloride | 55 | 30 | | mg/Kg | 20 | 5/9/2016 2:39:06 PM | 25197 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | ND | 9.8 | | mg/Kg | 1 | 5/6/2016 7:33:46 PM | 25139 |
| Surr: DNOP | 9.41 | 70-130 | S | %Rec | 1 | 5/6/2016 7:33:46 PM | 25139 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.7 | | mg/Kg | 1 | 5/4/2016 11:13:30 PM | 25130 |
| Surr: BFB | 97.1 | 80-120 | | %Rec | 1 | 5/4/2016 11:13:30 PM | 25130 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Methyl tert-butyl ether (MTBE) | ND | 0.093 | | mg/Kg | 1 | 5/4/2016 11:13:30 PM | 25130 |
| Benzene | ND | 0.023 | | mg/Kg | 1 | 5/4/2016 11:13:30 PM | 25130 |
| Toluene | ND | 0.047 | | mg/Kg | 1 | 5/4/2016 11:13:30 PM | 25130 |
| Ethylbenzene | ND | 0.047 | | mg/Kg | 1 | 5/4/2016 11:13:30 PM | 25130 |
| Xylenes, Total | ND | 0.093 | | mg/Kg | 1 | 5/4/2016 11:13:30 PM | 25130 |
| Surr: 4-Bromofluorobenzene | 98.6 | 80-120 | | %Rec | 1 | 5/4/2016 11:13:30 PM | 25130 |

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 |
| | R RPD outside accepted recovery limits | 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.

Analytical Report

Lab Order 1605079

Date Reported: 5/12/2016

CLIENT: Souder, Miller & Associates

Client Sample ID: BL-4

Project: B Banker

Collection Date: 4/29/2016 12:00:00 PM

Lab ID: 1605079-004

Matrix: SOIL

Received Date: 5/3/2016 9:40:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|-----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: LGT |
| Chloride | 3500 | 150 | | mg/Kg | 100 | 5/11/2016 3:17:06 AM | 25197 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | ND | 9.6 | | mg/Kg | 1 | 5/6/2016 7:55:39 PM | 25139 |
| Surr: DNOP | 9.15 | 70-130 | S | %Rec | 1 | 5/6/2016 7:55:39 PM | 25139 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 5/5/2016 12:47:24 AM | 25130 |
| Surr: BFB | 94.2 | 80-120 | | %Rec | 1 | 5/5/2016 12:47:24 AM | 25130 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Methyl tert-butyl ether (MTBE) | ND | 0.095 | | mg/Kg | 1 | 5/5/2016 12:47:24 AM | 25130 |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 5/5/2016 12:47:24 AM | 25130 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 5/5/2016 12:47:24 AM | 25130 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 5/5/2016 12:47:24 AM | 25130 |
| Xylenes, Total | ND | 0.095 | | mg/Kg | 1 | 5/5/2016 12:47:24 AM | 25130 |
| Surr: 4-Bromofluorobenzene | 95.3 | 80-120 | | %Rec | 1 | 5/5/2016 12:47:24 AM | 25130 |

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 |
| | R RPD outside accepted recovery limits | 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.

Analytical Report

Lab Order 1605079

Date Reported: 5/12/2016

CLIENT: Souder, Miller & Associates

Client Sample ID: BL-5

Project: B Banker

Collection Date: 4/29/2016 12:00:00 PM

Lab ID: 1605079-005

Matrix: SOIL

Received Date: 5/3/2016 9:40:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|--------|------|-------|----|---------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: LGT |
| Chloride | ND | 30 | | mg/Kg | 20 | 5/9/2016 3:03:54 PM | 25197 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: KJH |
| Diesel Range Organics (DRO) | ND | 9.8 | | mg/Kg | 1 | 5/6/2016 8:17:38 PM | 25139 |
| Surr: DNOP | 8.53 | 70-130 | S | %Rec | 1 | 5/6/2016 8:17:38 PM | 25139 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.6 | | mg/Kg | 1 | 5/5/2016 1:10:55 AM | 25130 |
| Surr: BFB | 95.3 | 80-120 | | %Rec | 1 | 5/5/2016 1:10:55 AM | 25130 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Methyl tert-butyl ether (MTBE) | ND | 0.092 | | mg/Kg | 1 | 5/5/2016 1:10:55 AM | 25130 |
| Benzene | ND | 0.023 | | mg/Kg | 1 | 5/5/2016 1:10:55 AM | 25130 |
| Toluene | ND | 0.046 | | mg/Kg | 1 | 5/5/2016 1:10:55 AM | 25130 |
| Ethylbenzene | ND | 0.046 | | mg/Kg | 1 | 5/5/2016 1:10:55 AM | 25130 |
| Xylenes, Total | ND | 0.092 | | mg/Kg | 1 | 5/5/2016 1:10:55 AM | 25130 |
| Surr: 4-Bromofluorobenzene | 96.3 | 80-120 | | %Rec | 1 | 5/5/2016 1:10:55 AM | 25130 |

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 |
| R | RPD outside accepted recovery limits | 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#: 1605079

12-May-16

Client: Souder, Miller & Associates

Project: B Banker

| | | | | | | | | | | |
|------------|-----------------|----------------|-----------------|-------------|---------------------------------|----------|--------------|------|----------|------|
| Sample ID | MB-25197 | SampType: | MBLK | TestCode: | EPA Method 300.0: Anions | | | | | |
| Client ID: | PBS | Batch ID: | 25197 | RunNo: | 34101 | | | | | |
| Prep Date: | 5/6/2016 | Analysis Date: | 5/9/2016 | SeqNo: | 1051147 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| | | | | | | | | | | |
|------------|------------------|----------------|-----------------|-------------|---------------------------------|----------|--------------|------|----------|------|
| Sample ID | LCS-25197 | SampType: | LCS | TestCode: | EPA Method 300.0: Anions | | | | | |
| Client ID: | LCSS | Batch ID: | 25197 | RunNo: | 34101 | | | | | |
| Prep Date: | 5/6/2016 | Analysis Date: | 5/9/2016 | SeqNo: | 1051148 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 92.4 | 90 | 110 | | | |

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 |
| R RPD outside accepted recovery limits | 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#: 1605079

12-May-16

Client: Souder, Miller & Associates

Project: B Banker

| Sample ID MB-25139 | SampType: MBLK | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|-----------------------------|--------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 25139 | | RunNo: 34001 | | | | | | | |
| Prep Date: 5/4/2016 | Analysis Date: 5/5/2016 | | SeqNo: 1047876 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | ND | 10 | | | | | | | | |
| Surr: DNOP | 7.4 | | 10.00 | | 74.0 | 70 | 130 | | | |

| Sample ID 1605058-001AMS | SampType: MS | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|---------------------------------|--------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: BatchQC | Batch ID: 25139 | | RunNo: 34001 | | | | | | | |
| Prep Date: 5/4/2016 | Analysis Date: 5/5/2016 | | SeqNo: 1048316 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 49 | 10 | 50.05 | 0 | 97.0 | 33.9 | 141 | | | |
| Surr: DNOP | 4.1 | | 5.005 | | 81.4 | 70 | 130 | | | |

| Sample ID 1605058-001AMSD | SampType: MSD | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|----------------------------------|--------------------------------|-----|--|-------------|---------------------|----------|-----------|--------|----------|------|
| Client ID: BatchQC | Batch ID: 25139 | | RunNo: 34001 | | | | | | | |
| Prep Date: 5/4/2016 | Analysis Date: 5/5/2016 | | SeqNo: 1048317 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 49 | 10 | 50.20 | 0 | 96.7 | 33.9 | 141 | 0.0323 | 20 | |
| Surr: DNOP | 4.0 | | 5.020 | | 79.7 | 70 | 130 | 0 | 0 | |

| Sample ID LCS-25139 | SampType: LCS | | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|-----------------------------|--------------------------------|-----|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 25139 | | RunNo: 34001 | | | | | | | |
| Prep Date: 5/4/2016 | Analysis Date: 5/5/2016 | | SeqNo: 1048346 | | 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 | 92.4 | 65.8 | 136 | | | |
| Surr: DNOP | 3.7 | | 5.000 | | 74.0 | 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
- R RPD outside accepted recovery limits
- 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 Detection Limit
- W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1605079

12-May-16

Client: Souder, Miller & Associates

Project: B Banker

| Sample ID MB-25130 | SampType: MBLK | | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | |
|-------------------------------|--------------------------------|-----|---|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 25130 | | RunNo: 33977 | | | | | | | |
| Prep Date: 5/3/2016 | Analysis Date: 5/4/2016 | | SeqNo: 1047281 | | 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 | 910 | | 1000 | | 91.4 | 80 | 120 | | | |

| Sample ID LCS-25130 | SampType: LCS | | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | |
|-------------------------------|--------------------------------|-----|---|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 25130 | | RunNo: 33977 | | | | | | | |
| Prep Date: 5/3/2016 | Analysis Date: 5/4/2016 | | SeqNo: 1047282 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 22 | 5.0 | 25.00 | 0 | 86.8 | 80 | 120 | | | |
| Surr: BFB | 970 | | 1000 | | 97.2 | 80 | 120 | | | |

| Sample ID 1605079-001AMS | SampType: MS | | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | |
|---------------------------------|--------------------------------|-----|---|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: BL-1 | Batch ID: 25130 | | RunNo: 33977 | | | | | | | |
| Prep Date: 5/3/2016 | Analysis Date: 5/4/2016 | | SeqNo: 1047284 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 26 | 5.0 | 24.98 | 0 | 102 | 59.3 | 143 | | | |
| Surr: BFB | 1000 | | 999.0 | | 101 | 80 | 120 | | | |

| Sample ID 1605079-001AMSD | SampType: MSD | | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | |
|----------------------------------|--------------------------------|-----|---|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: BL-1 | Batch ID: 25130 | | RunNo: 33977 | | | | | | | |
| Prep Date: 5/3/2016 | Analysis Date: 5/4/2016 | | SeqNo: 1047285 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 27 | 5.0 | 24.78 | 0 | 107 | 59.3 | 143 | 4.02 | 20 | |
| Surr: BFB | 1000 | | 991.1 | | 103 | 80 | 120 | 0 | 0 | |

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 |
| R RPD outside accepted recovery limits | 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#: 1605079

12-May-16

Client: Souder, Miller & Associates

Project: B Banker

| Sample ID MB-25130 | SampType: MBLK | | TestCode: EPA Method 8021B: Volatiles | | | | | | | |
|--------------------------------|--------------------------------|-------|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 25130 | | RunNo: 33977 | | | | | | | |
| Prep Date: 5/3/2016 | Analysis Date: 5/4/2016 | | SeqNo: 1047315 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Methyl tert-butyl ether (MTBE) | ND | 0.10 | | | | | | | | |
| Benzene | ND | 0.025 | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 0.93 | | 1.000 | | 92.9 | 80 | 120 | | | |

| Sample ID LCS-25130 | SampType: LCS | | TestCode: EPA Method 8021B: Volatiles | | | | | | | |
|--------------------------------|--------------------------------|-------|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 25130 | | RunNo: 33977 | | | | | | | |
| Prep Date: 5/3/2016 | Analysis Date: 5/4/2016 | | SeqNo: 1047316 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Methyl tert-butyl ether (MTBE) | 0.95 | 0.10 | 1.000 | 0 | 95.3 | 61 | 143 | | | |
| Benzene | 1.0 | 0.025 | 1.000 | 0 | 100 | 75.3 | 123 | | | |
| Toluene | 0.93 | 0.050 | 1.000 | 0 | 93.3 | 80 | 124 | | | |
| Ethylbenzene | 0.88 | 0.050 | 1.000 | 0 | 88.0 | 82.8 | 121 | | | |
| Xylenes, Total | 2.6 | 0.10 | 3.000 | 0 | 87.2 | 83.9 | 122 | | | |
| Surr: 4-Bromofluorobenzene | 0.93 | | 1.000 | | 93.4 | 80 | 120 | | | |

| Sample ID 1605082-001AMS | SampType: MS | | TestCode: EPA Method 8021B: Volatiles | | | | | | | |
|---------------------------------|--------------------------------|-------|--|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: BatchQC | Batch ID: 25130 | | RunNo: 33977 | | | | | | | |
| Prep Date: 5/3/2016 | Analysis Date: 5/4/2016 | | SeqNo: 1047319 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Methyl tert-butyl ether (MTBE) | 0.98 | 0.098 | 0.9775 | 0 | 99.8 | 69.2 | 128 | | | |
| Benzene | 1.1 | 0.024 | 0.9775 | 0 | 108 | 71.5 | 122 | | | |
| Toluene | 0.99 | 0.049 | 0.9775 | 0 | 101 | 71.2 | 123 | | | |
| Ethylbenzene | 0.95 | 0.049 | 0.9775 | 0 | 96.8 | 75.2 | 130 | | | |
| Xylenes, Total | 2.8 | 0.098 | 2.933 | 0 | 96.4 | 72.4 | 131 | | | |
| Surr: 4-Bromofluorobenzene | 0.94 | | 0.9775 | | 96.4 | 80 | 120 | | | |

| Sample ID 1605082-001AMSD | SampType: MSD | | TestCode: EPA Method 8021B: Volatiles | | | | | | | |
|----------------------------------|--------------------------------|-------|--|-------------|---------------------|----------|-----------|-------|----------|------|
| Client ID: BatchQC | Batch ID: 25130 | | RunNo: 33977 | | | | | | | |
| Prep Date: 5/3/2016 | Analysis Date: 5/4/2016 | | SeqNo: 1047320 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Methyl tert-butyl ether (MTBE) | 0.89 | 0.099 | 0.9901 | 0 | 90.3 | 69.2 | 128 | 8.72 | 20 | |
| Benzene | 0.98 | 0.025 | 0.9901 | 0 | 99.2 | 71.5 | 122 | 7.34 | 20 | |
| Toluene | 0.96 | 0.050 | 0.9901 | 0 | 96.7 | 71.2 | 123 | 2.87 | 20 | |
| Ethylbenzene | 0.95 | 0.050 | 0.9901 | 0 | 96.0 | 75.2 | 130 | 0.454 | 20 | |

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
- R RPD outside accepted recovery limits
- 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 Detection Limit
- W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1605079

12-May-16

Client: Souder, Miller & Associates

Project: B Banker

| Sample ID | 1605082-001AMSD | SampType: | MSD | TestCode: | EPA Method 8021B: Volatiles | | | | | |
|----------------------------|------------------------|----------------|-----------------|-------------|------------------------------------|----------|--------------|--------|----------|------|
| Client ID: | BatchQC | Batch ID: | 25130 | RunNo: | 33977 | | | | | |
| Prep Date: | 5/3/2016 | Analysis Date: | 5/4/2016 | SeqNo: | 1047320 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Xylenes, Total | 2.8 | 0.099 | 2.970 | 0 | 95.3 | 72.4 | 131 | 0.0491 | 20 | |
| Surr: 4-Bromofluorobenzene | 1.0 | | 0.9901 | | 101 | 80 | 120 | 0 | 0 | |

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

Sample Log-In Check List

Client Name: SMA-CARLSBAD

Work Order Number: 1605079

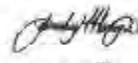
RcptNo: 1

Received by/date:

 05/03/14

Logged By: Lindsay Mangin

5/3/2016 9:40:00 AM

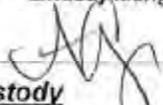


Completed By: Lindsay Mangin

5/3/2016 1:33:11 PM



Reviewed By:

 05/03/14

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: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> 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 | 2.8 | Good | Yes | | | |

CHAIN-OF-CUSTODY RECORD



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Client: SMA Standard Rush

Project Name: B BANKED

Project #: _____

Project Manager: A WEYANT

Sampler: LCM

On Ice: Yes No

Sample Temperature: 2.8

Container Type and #

Preservative Type

HEAL No.

1605079

-001

-002

-003

-004

-005

Date: _____

Mailing Address: 701 S

VALBUENO

Phone #: 575 689 7070

email or Fax #: _____

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

Accreditation: NELAP Other

EDD (Type) _____

Date Time Matrix Sample Request ID

4/29 12:00 92L BL-1

4/29 12:00 BL-2

4/29 12:00 BL-3

4/29 12:00 BL-4

4/29 12:00 BL-5

Analysis Request

BTEX + MTBE + TMB's (8021)

BTEX + MTBE + TPH (Gas only)

TPH Method 8015B (Gas/Diesel)

TPH (Method 418.1)

EDB (Method 504.1)

8310 (PNA or PAH)

RCRA 8 Metals

Anions (Cl, NO₃, NO₂, PO₄, SO₄)

8081 Pesticides / 8082 PCB's

8260B (VOA)

8270 (Semi-VOA)

Air Bubbles (Y or N)

Received by: _____ Date: _____ Time: _____

Received by: Joe Boat Date: 05/03/16 Time: 0940

Relinquished by: _____ Date: _____ Time: _____

Relinquished 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.



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

June 26, 2017

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

RE: Paul 2nd

OrderNo.: 1706671

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 10 sample(s) on 6/13/2017 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a white background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order: 1706671

Date Reported: 6/26/2017

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Souder, Miller & Associates
Project: Paul 2nd**Lab Order:** 1706671**Lab ID:** 1706671-001**Collection Date:** 6/7/2017 12:00:00 PM**Client Sample ID:** BG1-5**Matrix:** SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch ID |
|----------|--------|-----|------|-------|----|---------------|----------|
|----------|--------|-----|------|-------|----|---------------|----------|

EPA METHOD 300.0: ANIONS

Analyst: MRA

| | | | | | | | |
|----------|----|----|--|-------|----|-----------------------|-------|
| Chloride | 43 | 30 | | mg/Kg | 20 | 6/21/2017 11:21:24 AM | 32409 |
|----------|----|----|--|-------|----|-----------------------|-------|

Lab ID: 1706671-002**Collection Date:** 6/7/2017 12:00:00 PM**Client Sample ID:** BG1-1**Matrix:** SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch ID |
|----------|--------|-----|------|-------|----|---------------|----------|
|----------|--------|-----|------|-------|----|---------------|----------|

EPA METHOD 300.0: ANIONS

Analyst: MRA

| | | | | | | | |
|----------|------|----|--|-------|----|----------------------|-------|
| Chloride | 2600 | 75 | | mg/Kg | 50 | 6/22/2017 6:35:28 PM | 32409 |
|----------|------|----|--|-------|----|----------------------|-------|

Lab ID: 1706671-003**Collection Date:** 6/7/2017 12:00:00 PM**Client Sample ID:** BG1-2**Matrix:** SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch ID |
|----------|--------|-----|------|-------|----|---------------|----------|
|----------|--------|-----|------|-------|----|---------------|----------|

EPA METHOD 300.0: ANIONS

Analyst: MRA

| | | | | | | | |
|----------|------|-----|--|-------|-----|----------------------|-------|
| Chloride | 3000 | 150 | | mg/Kg | 100 | 6/22/2017 6:47:52 PM | 32409 |
|----------|------|-----|--|-------|-----|----------------------|-------|

Lab ID: 1706671-004**Collection Date:** 6/7/2017 12:00:00 PM**Client Sample ID:** BG1-4**Matrix:** SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch ID |
|----------|--------|-----|------|-------|----|---------------|----------|
|----------|--------|-----|------|-------|----|---------------|----------|

EPA METHOD 300.0: ANIONS

Analyst: MRA

| | | | | | | | |
|----------|------|-----|--|-------|-----|----------------------|-------|
| Chloride | 5300 | 300 | | mg/Kg | 200 | 6/22/2017 7:00:17 PM | 32409 |
|----------|------|-----|--|-------|-----|----------------------|-------|

Lab ID: 1706671-005**Collection Date:** 6/7/2017 11:00:00 AM**Client Sample ID:** BG2-5**Matrix:** SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch ID |
|----------|--------|-----|------|-------|----|---------------|----------|
|----------|--------|-----|------|-------|----|---------------|----------|

EPA METHOD 300.0: ANIONS

Analyst: MRA

| | | | | | | | |
|----------|----|----|--|-------|----|----------------------|-------|
| Chloride | ND | 30 | | mg/Kg | 20 | 6/21/2017 1:00:40 PM | 32409 |
|----------|----|----|--|-------|----|----------------------|-------|

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 | Page 1 of 3 |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range | |
| | PQL | Practical Quantitative 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 | |

Analytical Report

Lab Order: 1706671

Date Reported: 6/26/2017

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Souder, Miller & Associates
Project: Paul 2nd**Lab Order:** 1706671**Lab ID:** 1706671-006 **Collection Date:** 6/7/2017 11:00:00 AM
Client Sample ID: BG2-1 **Matrix:** SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch ID |
|---------------------------------|--------|-----|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 530 | 30 | | mg/Kg | 20 | 6/21/2017 1:13:05 PM | 32409 |

Lab ID: 1706671-007 **Collection Date:** 6/7/2017 11:00:00 AM
Client Sample ID: BG2-2 **Matrix:** SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch ID |
|---------------------------------|--------|-----|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 1500 | 75 | | mg/Kg | 50 | 6/22/2017 7:12:42 PM | 32409 |

Lab ID: 1706671-008 **Collection Date:** 6/7/2017 11:00:00 AM
Client Sample ID: BG2-4 **Matrix:** SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch ID |
|---------------------------------|--------|-----|------|-------|-----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 2600 | 150 | | mg/Kg | 100 | 6/22/2017 7:25:07 PM | 32409 |

Lab ID: 1706671-009 **Collection Date:** 6/7/2017 1:00:00 PM
Client Sample ID: A1-2 **Matrix:** SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch ID |
|---------------------------------|--------|-----|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 650 | 30 | | mg/Kg | 20 | 6/21/2017 1:50:18 PM | 32409 |

Lab ID: 1706671-010 **Collection Date:** 6/7/2017 2:00:00 PM
Client Sample ID: A2-3 **Matrix:** SOIL

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch ID |
|---------------------------------|--------|-----|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 1600 | 75 | | mg/Kg | 50 | 6/22/2017 7:37:32 PM | 32409 |

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 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#: 1706671

26-Jun-17

Client: Souder, Miller & Associates

Project: Paul 2nd

| Sample ID MB-32409 | SampType: mblk | | TestCode: EPA Method 300.0: Anions | | | | | | | |
|-----------------------------|---------------------------------|-----|---|-------------|------|----------|---------------------|------|----------|------|
| Client ID: PBS | Batch ID: 32409 | | RunNo: 43687 | | | | | | | |
| Prep Date: 6/21/2017 | Analysis Date: 6/21/2017 | | SeqNo: 1377078 | | | | Units: mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 1.5 | | | | | | | | |

| Sample ID LCS-32409 | SampType: lcs | | TestCode: EPA Method 300.0: Anions | | | | | | | |
|-----------------------------|---------------------------------|-----|---|-------------|------|----------|---------------------|------|----------|------|
| Client ID: LCSS | Batch ID: 32409 | | RunNo: 43687 | | | | | | | |
| Prep Date: 6/21/2017 | Analysis Date: 6/21/2017 | | SeqNo: 1377079 | | | | Units: mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 92.7 | 90 | 110 | | | |

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

Sample Log-In Check List

Client Name: SMA-CARLSBAD

Work Order Number: 1706671

RcptNo: 1

Received By: Richie Eriacho

6/13/2017 9:45:00 AM

Completed By: Ashley Gallegos

6/13/2017 12:50:23 PM

Reviewed By: ENM

06/13/17

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: | <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> 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 | 1.3 | Good | Yes | | | |



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

June 30, 2017



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

RE: Matador Paul 2nd

OrderNo.: 1706A44

Dear Austin Weyant:

Hall Environmental Analysis Laboratory received 21 sample(s) on 6/20/2017 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,

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

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1706A44

Date Reported: 6/30/2017

CLIENT: Souder, Miller & Associates

Client Sample ID: SW2

Project: Matador Paul 2nd

Collection Date: 6/12/2017 10:30:00 AM

Lab ID: 1706A44-001

Matrix: SOIL

Received Date: 6/20/2017 10:15:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|-----|------|-------|-----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 5500 | 300 | | mg/Kg | 200 | 6/27/2017 4:36:37 AM | 32485 |
| Nitrogen, Nitrate (As N) | 8.4 | 6.0 | | mg/Kg | 20 | 6/26/2017 1:05:47 PM | 32485 |
| Sulfate | 6400 | 300 | | mg/Kg | 200 | 6/27/2017 4:36:37 AM | 32485 |

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 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.

Analytical Report

Lab Order 1706A44

Date Reported: 6/30/2017

CLIENT: Souder, Miller & Associates

Client Sample ID: SW4

Project: Matador Paul 2nd

Collection Date: 6/12/2017 10:30:00 AM

Lab ID: 1706A44-002

Matrix: SOIL

Received Date: 6/20/2017 10:15:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 120 | 30 | | mg/Kg | 20 | 6/26/2017 2:20:15 PM | 32485 |
| Nitrogen, Nitrate (As N) | 1.9 | 0.30 | | mg/Kg | 1 | 6/26/2017 1:43:01 PM | 32485 |
| Sulfate | 5800 | 75 | | mg/Kg | 50 | 6/27/2017 4:49:02 AM | 32485 |

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 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.

Analytical Report

Lab Order 1706A44

Date Reported: 6/30/2017

CLIENT: Souder, Miller & Associates

Client Sample ID: SW5

Project: Matador Paul 2nd

Collection Date: 6/12/2017 10:30:00 AM

Lab ID: 1706A44-003

Matrix: SOIL

Received Date: 6/20/2017 10:15:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|-----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 1000 | 30 | | mg/Kg | 20 | 6/26/2017 2:45:04 PM | 32485 |
| Nitrogen, Nitrate (As N) | 2.3 | 1.5 | | mg/Kg | 5 | 6/26/2017 2:32:40 PM | 32485 |
| Sulfate | 5400 | 75 | | mg/Kg | 50 | 6/27/2017 5:01:27 AM | 32485 |

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 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.

Analytical Report

Lab Order 1706A44

Date Reported: 6/30/2017

CLIENT: Souder, Miller & Associates

Client Sample ID: SW6

Project: Matador Paul 2nd

Collection Date: 6/12/2017 10:30:00 AM

Lab ID: 1706A44-004

Matrix: SOIL

Received Date: 6/20/2017 10:15:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|-----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 19 | 7.5 | | mg/Kg | 5 | 6/26/2017 2:57:28 PM | 32485 |
| Nitrogen, Nitrate (As N) | ND | 1.5 | | mg/Kg | 5 | 6/26/2017 2:57:28 PM | 32485 |
| Sulfate | 5300 | 75 | | mg/Kg | 50 | 6/27/2017 5:13:52 AM | 32485 |

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 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.

Analytical Report

Lab Order 1706A44

Date Reported: 6/30/2017

CLIENT: Souder, Miller & Associates

Client Sample ID: SW7

Project: Matador Paul 2nd

Collection Date: 6/12/2017 10:30:00 AM

Lab ID: 1706A44-005

Matrix: SOIL

Received Date: 6/20/2017 10:15:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|-----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 15 | 7.5 | | mg/Kg | 5 | 6/26/2017 3:22:16 PM | 32485 |
| Nitrogen, Nitrate (As N) | 1.7 | 1.5 | | mg/Kg | 5 | 6/26/2017 3:22:16 PM | 32485 |
| Sulfate | 5100 | 75 | | mg/Kg | 50 | 6/27/2017 5:26:17 AM | 32485 |

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 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.

Analytical Report

Lab Order 1706A44

Date Reported: 6/30/2017

CLIENT: Souder, Miller & Associates

Client Sample ID: SW8

Project: Matador Paul 2nd

Collection Date: 6/12/2017 10:30:00 AM

Lab ID: 1706A44-006

Matrix: SOIL

Received Date: 6/20/2017 10:15:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|-----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 1200 | 75 | | mg/Kg | 50 | 6/27/2017 5:38:41 AM | 32485 |
| Nitrogen, Nitrate (As N) | 1.9 | 1.5 | | mg/Kg | 5 | 6/26/2017 4:11:55 PM | 32485 |
| Sulfate | 5100 | 75 | | mg/Kg | 50 | 6/27/2017 5:38:41 AM | 32485 |

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 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.

Analytical Report

Lab Order 1706A44

Date Reported: 6/30/2017

CLIENT: Souder, Miller & Associates

Client Sample ID: SW9

Project: Matador Paul 2nd

Collection Date: 6/12/2017 10:30:00 AM

Lab ID: 1706A44-007

Matrix: SOIL

Received Date: 6/20/2017 10:15:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|-----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 140 | 7.5 | | mg/Kg | 5 | 6/26/2017 4:36:44 PM | 32485 |
| Nitrogen, Nitrate (As N) | 2.8 | 1.5 | | mg/Kg | 5 | 6/26/2017 4:36:44 PM | 32485 |
| Sulfate | 5100 | 75 | | mg/Kg | 50 | 6/27/2017 5:51:06 AM | 32485 |

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 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.

Analytical Report

Lab Order 1706A44

Date Reported: 6/30/2017

CLIENT: Souder, Miller & Associates

Client Sample ID: SW11

Project: Matador Paul 2nd

Collection Date: 6/12/2017 10:30:00 AM

Lab ID: 1706A44-008

Matrix: SOIL

Received Date: 6/20/2017 10:15:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|-----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 87 | 7.5 | | mg/Kg | 5 | 6/26/2017 5:01:33 PM | 32485 |
| Nitrogen, Nitrate (As N) | 3.1 | 1.5 | | mg/Kg | 5 | 6/26/2017 5:01:33 PM | 32485 |
| Sulfate | 5300 | 75 | | mg/Kg | 50 | 6/27/2017 6:03:30 AM | 32485 |

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 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.

Analytical Report

Lab Order 1706A44

Date Reported: 6/30/2017

CLIENT: Souder, Miller & Associates

Client Sample ID: BH 2-3

Project: Matador Paul 2nd

Collection Date: 6/12/2017 10:30:00 AM

Lab ID: 1706A44-009

Matrix: SOIL

Received Date: 6/20/2017 10:15:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|-----|------|-------|-----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 3000 | 150 | | mg/Kg | 100 | 6/27/2017 6:15:54 AM | 32485 |
| Nitrogen, Nitrate (As N) | ND | 1.5 | | mg/Kg | 5 | 6/26/2017 5:26:23 PM | 32485 |
| Sulfate | 4100 | 150 | | mg/Kg | 100 | 6/27/2017 6:15:54 AM | 32485 |

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 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.

Analytical Report

Lab Order 1706A44

Date Reported: 6/30/2017

CLIENT: Souder, Miller & Associates

Client Sample ID: BH 2-5.5

Project: Matador Paul 2nd

Collection Date: 6/12/2017 10:30:00 AM

Lab ID: 1706A44-010

Matrix: SOIL

Received Date: 6/20/2017 10:15:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|-----|------|-------|-----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 2100 | 150 | | mg/Kg | 100 | 6/27/2017 6:28:19 AM | 32485 |
| Nitrogen, Nitrate (As N) | ND | 1.5 | | mg/Kg | 5 | 6/26/2017 5:51:13 PM | 32485 |
| Sulfate | 7500 | 150 | | mg/Kg | 100 | 6/27/2017 6:28:19 AM | 32485 |

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 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.

Analytical Report

Lab Order 1706A44

Date Reported: 6/30/2017

CLIENT: Souder, Miller & Associates

Client Sample ID: BH 2-10

Project: Matador Paul 2nd

Collection Date: 6/12/2017 10:30:00 AM

Lab ID: 1706A44-011

Matrix: SOIL

Received Date: 6/20/2017 10:15:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|-----|------|-------|-----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 1200 | 150 | | mg/Kg | 100 | 6/27/2017 9:08:03 AM | 32485 |
| Nitrogen, Nitrate (As N) | ND | 1.5 | | mg/Kg | 5 | 6/26/2017 6:40:51 PM | 32485 |
| Sulfate | 6300 | 150 | | mg/Kg | 100 | 6/27/2017 9:08:03 AM | 32485 |

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 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.

Analytical Report

Lab Order 1706A44

Date Reported: 6/30/2017

CLIENT: Souder, Miller & Associates

Client Sample ID: BH 4-1.5

Project: Matador Paul 2nd

Collection Date: 6/12/2017 10:30:00 AM

Lab ID: 1706A44-012

Matrix: SOIL

Received Date: 6/20/2017 10:15:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|-----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 300 | 7.5 | | mg/Kg | 5 | 6/26/2017 7:05:40 PM | 32485 |
| Nitrogen, Nitrate (As N) | ND | 1.5 | | mg/Kg | 5 | 6/26/2017 7:05:40 PM | 32485 |
| Sulfate | 5600 | 75 | | mg/Kg | 50 | 6/27/2017 9:20:27 AM | 32485 |

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 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.

Analytical Report

Lab Order 1706A44

Date Reported: 6/30/2017

CLIENT: Souder, Miller & Associates

Client Sample ID: BGC-S

Project: Matador Paul 2nd

Collection Date: 6/12/2017 10:45:00 AM

Lab ID: 1706A44-013

Matrix: SOIL

Received Date: 6/20/2017 10:15:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|-----|------|-------|----|----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 24 | 7.5 | | mg/Kg | 5 | 6/26/2017 7:30:29 PM | 32485 |
| Nitrogen, Nitrate (As N) | 6.3 | 1.5 | | mg/Kg | 5 | 6/26/2017 7:30:29 PM | 32485 |
| Sulfate | 4800 | 75 | | mg/Kg | 50 | 6/27/2017 9:32:52 AM | 32485 |

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 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.

Analytical Report

Lab Order 1706A44

Date Reported: 6/30/2017

CLIENT: Souder, Miller & Associates

Client Sample ID: BGC-1

Project: Matador Paul 2nd

Collection Date: 6/12/2017 10:45:00 AM

Lab ID: 1706A44-014

Matrix: SOIL

Received Date: 6/20/2017 10:15:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|-----|------|-------|-----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 1000 | 30 | | mg/Kg | 20 | 6/26/2017 8:07:43 PM | 32485 |
| Nitrogen, Nitrate (As N) | ND | 1.5 | | mg/Kg | 5 | 6/26/2017 7:55:18 PM | 32485 |
| Sulfate | 7700 | 150 | | mg/Kg | 100 | 6/27/2017 9:45:17 AM | 32485 |

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 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.

Analytical Report

Lab Order 1706A44

Date Reported: 6/30/2017

CLIENT: Souder, Miller & Associates

Client Sample ID: BGC-2

Project: Matador Paul 2nd

Collection Date: 6/12/2017 10:45:00 AM

Lab ID: 1706A44-015

Matrix: SOIL

Received Date: 6/20/2017 10:15:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|-----|------|-------|-----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 3200 | 150 | | mg/Kg | 100 | 6/27/2017 9:57:41 AM | 32503 |
| Nitrogen, Nitrate (As N) | 1.5 | 1.5 | | mg/Kg | 5 | 6/26/2017 9:09:47 PM | 32503 |
| Sulfate | 10000 | 150 | | mg/Kg | 100 | 6/27/2017 9:57:41 AM | 32503 |

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 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.

Analytical Report

Lab Order 1706A44

Date Reported: 6/30/2017

CLIENT: Souder, Miller & Associates

Client Sample ID: BGC-3

Project: Matador Paul 2nd

Collection Date: 6/12/2017 10:45:00 AM

Lab ID: 1706A44-016

Matrix: SOIL

Received Date: 6/20/2017 10:15:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|-----|------|-------|-----|-----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 4800 | 300 | | mg/Kg | 200 | 6/27/2017 10:10:05 AM | 32503 |
| Nitrogen, Nitrate (As N) | 1.6 | 1.5 | | mg/Kg | 5 | 6/26/2017 9:59:26 PM | 32503 |
| Sulfate | 7800 | 300 | | mg/Kg | 200 | 6/27/2017 10:10:05 AM | 32503 |

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 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.

Analytical Report

Lab Order 1706A44

Date Reported: 6/30/2017

CLIENT: Souder, Miller & Associates

Client Sample ID: BGC-4

Project: Matador Paul 2nd

Collection Date: 6/12/2017 10:45:00 AM

Lab ID: 1706A44-017

Matrix: SOIL

Received Date: 6/20/2017 10:15:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|-----|------|-------|-----|-----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 4800 | 150 | | mg/Kg | 100 | 6/27/2017 10:22:30 AM | 32503 |
| Nitrogen, Nitrate (As N) | ND | 1.5 | | mg/Kg | 5 | 6/26/2017 10:24:16 PM | 32503 |
| Sulfate | 9500 | 150 | | mg/Kg | 100 | 6/27/2017 10:22:30 AM | 32503 |

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 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.

Analytical Report

Lab Order 1706A44

Date Reported: 6/30/2017

CLIENT: Souder, Miller & Associates

Client Sample ID: BGC-6

Project: Matador Paul 2nd

Collection Date: 6/12/2017 10:45:00 AM

Lab ID: 1706A44-018

Matrix: SOIL

Received Date: 6/20/2017 10:15:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|-----|------|-------|-----|-----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 3500 | 150 | | mg/Kg | 100 | 6/27/2017 10:34:55 AM | 32503 |
| Nitrogen, Nitrate (As N) | ND | 1.5 | | mg/Kg | 5 | 6/26/2017 10:49:05 PM | 32503 |
| Sulfate | 5300 | 150 | | mg/Kg | 100 | 6/27/2017 10:34:55 AM | 32503 |

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 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.

Analytical Report

Lab Order 1706A44

Date Reported: 6/30/2017

CLIENT: Souder, Miller & Associates

Client Sample ID: BGC-8

Project: Matador Paul 2nd

Collection Date: 6/12/2017 10:45:00 AM

Lab ID: 1706A44-019

Matrix: SOIL

Received Date: 6/20/2017 10:15:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|-----|------|-------|-----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 2400 | 150 | | mg/Kg | 100 | 6/27/2017 10:47:20 AM | 32503 |
| Nitrogen, Nitrate (As N) | 1.6 | 1.5 | | mg/Kg | 5 | 6/26/2017 11:38:45 PM | 32503 |
| Sulfate | 8300 | 150 | | mg/Kg | 100 | 6/27/2017 10:47:20 AM | 32503 |

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 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.

Analytical Report

Lab Order 1706A44

Date Reported: 6/30/2017

CLIENT: Souder, Miller & Associates

Client Sample ID: BGC-10

Project: Matador Paul 2nd

Collection Date: 6/12/2017 10:45:00 AM

Lab ID: 1706A44-020

Matrix: SOIL

Received Date: 6/20/2017 10:15:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|-----|------|-------|-----|-----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 2700 | 150 | | mg/Kg | 100 | 6/27/2017 10:59:44 AM | 32503 |
| Nitrogen, Nitrate (As N) | ND | 1.5 | | mg/Kg | 5 | 6/27/2017 12:03:34 AM | 32503 |
| Sulfate | 7200 | 150 | | mg/Kg | 100 | 6/27/2017 10:59:44 AM | 32503 |

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 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.

Analytical Report

Lab Order 1706A44

Date Reported: 6/30/2017

CLIENT: Souder, Miller & Associates

Client Sample ID: BGC-12

Project: Matador Paul 2nd

Collection Date: 6/12/2017 10:45:00 AM

Lab ID: 1706A44-021

Matrix: SOIL

Received Date: 6/20/2017 10:15:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|-----|------|-------|-----|-----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 1300 | 150 | | mg/Kg | 100 | 6/27/2017 11:36:58 AM | 32503 |
| Nitrogen, Nitrate (As N) | ND | 1.5 | | mg/Kg | 5 | 6/27/2017 12:28:23 AM | 32503 |
| Sulfate | 7100 | 150 | | mg/Kg | 100 | 6/27/2017 11:36:58 AM | 32503 |

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 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#: 1706A44

30-Jun-17

Client: Souder, Miller & Associates

Project: Matador Paul 2nd

| Sample ID MB-32485 | SampType: mblk | | TestCode: EPA Method 300.0: Anions | | | | | | | |
|-----------------------------|---------------------------------|-----|---|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 32485 | | RunNo: 43787 | | | | | | | |
| Prep Date: 6/26/2017 | Analysis Date: 6/26/2017 | | SeqNo: 1380561 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |

| | | | | | | | | | | |
|--------------------------|----|------|--|--|--|--|--|--|--|--|
| Chloride | ND | 1.5 | | | | | | | | |
| Nitrogen, Nitrate (As N) | ND | 0.30 | | | | | | | | |
| Sulfate | ND | 1.5 | | | | | | | | |

| Sample ID LCS-32485 | SampType: lcs | | TestCode: EPA Method 300.0: Anions | | | | | | | |
|-----------------------------|---------------------------------|-----|---|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: LCSS | Batch ID: 32485 | | RunNo: 43787 | | | | | | | |
| Prep Date: 6/26/2017 | Analysis Date: 6/26/2017 | | SeqNo: 1380562 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |

| | | | | | | | | | | |
|--------------------------|-----|------|-------|---|------|----|-----|--|--|--|
| Chloride | 14 | 1.5 | 15.00 | 0 | 91.1 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 7.1 | 0.30 | 7.500 | 0 | 94.2 | 90 | 110 | | | |
| Sulfate | 28 | 1.5 | 30.00 | 0 | 93.7 | 90 | 110 | | | |

| Sample ID 1706A44-002AMS | SampType: ms | | TestCode: EPA Method 300.0: Anions | | | | | | | |
|---------------------------------|---------------------------------|-----|---|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: SW4 | Batch ID: 32485 | | RunNo: 43787 | | | | | | | |
| Prep Date: 6/26/2017 | Analysis Date: 6/26/2017 | | SeqNo: 1380574 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |

| | | | | | | | | | | |
|--------------------------|-----|------|-------|-------|------|------|-----|--|--|--|
| Nitrogen, Nitrate (As N) | 8.7 | 0.30 | 7.500 | 1.907 | 90.0 | 61.8 | 142 | | | |
|--------------------------|-----|------|-------|-------|------|------|-----|--|--|--|

| Sample ID 1706A44-002AMSD | SampType: msd | | TestCode: EPA Method 300.0: Anions | | | | | | | |
|----------------------------------|---------------------------------|-----|---|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: SW4 | Batch ID: 32485 | | RunNo: 43787 | | | | | | | |
| Prep Date: 6/26/2017 | Analysis Date: 6/26/2017 | | SeqNo: 1380575 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |

| | | | | | | | | | | |
|--------------------------|-----|------|-------|-------|------|------|-----|------|----|--|
| Nitrogen, Nitrate (As N) | 8.6 | 0.30 | 7.500 | 1.907 | 88.6 | 61.8 | 142 | 1.22 | 20 | |
|--------------------------|-----|------|-------|-------|------|------|-----|------|----|--|

| Sample ID MB-32503 | SampType: mblk | | TestCode: EPA Method 300.0: Anions | | | | | | | |
|-----------------------------|---------------------------------|-----|---|-------------|---------------------|----------|-----------|------|----------|------|
| Client ID: PBS | Batch ID: 32503 | | RunNo: 43787 | | | | | | | |
| Prep Date: 6/26/2017 | Analysis Date: 6/26/2017 | | SeqNo: 1380605 | | Units: mg/Kg | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |

| | | | | | | | | | | |
|--------------------------|----|------|--|--|--|--|--|--|--|--|
| Chloride | ND | 1.5 | | | | | | | | |
| Nitrogen, Nitrate (As N) | ND | 0.30 | | | | | | | | |
| Sulfate | ND | 1.5 | | | | | | | | |

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 Detection Limit
- W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1706A44

30-Jun-17

Client: Souder, Miller & Associates

Project: Matador Paul 2nd

| Sample ID | LCS-32503 | SampType: | ics | TestCode: | EPA Method 300.0: Anions | | | | | |
|--------------------------|------------------|----------------|------------------|-------------|---------------------------------|----------|--------------|------|----------|------|
| Client ID: | LCSS | Batch ID: | 32503 | RunNo: | 43787 | | | | | |
| Prep Date: | 6/26/2017 | Analysis Date: | 6/26/2017 | SeqNo: | 1380606 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 14 | 1.5 | 15.00 | 0 | 93.3 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 7.3 | 0.30 | 7.500 | 0 | 97.5 | 90 | 110 | | | |
| Sulfate | 28 | 1.5 | 30.00 | 0 | 95.0 | 90 | 110 | | | |

| Sample ID | 1706A44-015AMS | SampType: | ms | TestCode: | EPA Method 300.0: Anions | | | | | |
|--------------------------|-----------------------|----------------|------------------|-------------|---------------------------------|----------|--------------|------|----------|------|
| Client ID: | BGC-2 | Batch ID: | 32503 | RunNo: | 43787 | | | | | |
| Prep Date: | 6/26/2017 | Analysis Date: | 6/26/2017 | SeqNo: | 1380610 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Nitrate (As N) | 8.2 | 1.5 | 7.500 | 1.546 | 88.5 | 61.8 | 142 | | | |

| Sample ID | 1706A44-015AMSD | SampType: | msd | TestCode: | EPA Method 300.0: Anions | | | | | |
|--------------------------|------------------------|----------------|------------------|-------------|---------------------------------|----------|--------------|-------|----------|------|
| Client ID: | BGC-2 | Batch ID: | 32503 | RunNo: | 43787 | | | | | |
| Prep Date: | 6/26/2017 | Analysis Date: | 6/26/2017 | SeqNo: | 1380611 | Units: | mg/Kg | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Nitrate (As N) | 8.1 | 1.5 | 7.500 | 1.546 | 87.7 | 61.8 | 142 | 0.768 | 20 | |

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

Sample Log-In Check List

Client Name: SMA-CARLSBAD Work Order Number: 1706A44 RcptNo: 1

Received By: Sophia Campuzano 6/20/2017 10:15:00 AM *Sophia Campuzano*
 Completed By: Richie Eriacho 6/20/2017 10:54:47 AM *[Signature]*
 Reviewed By: *Re las* *6/20/17*

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 | 6.0 | Good | | | | |

Chain-of-Custody Record

Client: SMA - Carsbad.

Mailing Address:

Turn-Around Time:

Standard Rush 5 day (Matador)

Project Name:

Matador: Paul 2nd

Project #:

Phone #:

email or Fax#:

QA/QC Package:

Standard Level 4 (Full Validation)

Accreditation

NELAP Other

EDD (Type)

Project Manager:

Austin Weyant

Sampler: LCM

On Ice: Yes No

Sample Temperature: 6.0

| Date | Time | Matrix | Sample Request ID | Container Type and # | Preservative Type | HEAL No. |
|------|-------|--------|-------------------|----------------------|-------------------|----------|
| 6/17 | 10:30 | Soil | SW2 | U02 jar | | 1706444 |
| | | | SW4 | | | -001 |
| | | | SW5 | | | -002 |
| | | | SW6 | | | -003 |
| | | | SW7 | | | -004 |
| | | | SW8 | | | -005 |
| | | | SW9 | | | -006 |
| | | | SW11 | | | -007 |
| | | | BH 2-3 | | | -008 |
| | | | BH 2-55 | | | -009 |
| | | | BH 2-10 | | | -010 |
| | | | BHA-15 | | | -011 |
| | | | | | | -012 |

Remarks:

Receiver by: [Signature] Date: 6/19/17 Time: 0900
 Relinquished by: [Signature] Date: 6/20/17 Time: 1015

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 + TMBs (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 PCBs | ✓ |
| 8260B (VOA) | ✓ |
| 8270 (Semi-VOA) | ✓ |
| Air Bubbles (Y or N) | |

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 noted on the analytical report.

Chain-of-Custody Record

Client: SMA - Carlisbad

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:

Standard Level 4 (Full Validation)

Accreditation

NELAP Other

EDD (Type)

Turn-Around Time:

Standard Rush 5 day (matador)

Project Name:

Matador: Paul 2nd

Project #:

Project Manager:

Austin Weyant

Sampler: LCM

On Ice: Yes No

Sample Temperature: 6.0

Date Time Matrix Sample Request ID

10/12/17 10:45 Soil BGC-S
 BGC-1
 BGC-2
 BGC-3
 BGC-4
 BGC-6
 BGC-8
 BGC-10
 BGC-12

Container Type and #

1107 LAR

Preservative Type

-013 -004
 -014 -002
 -015 -003
 -016 -004
 -017 -005
 -018 -006
 -019 -007
 -020 -008
 -021 -009

HEAL No.

1706A464

Analysis Request

| | |
|--|--|
| BTEX + MTBE + TMBs (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 PCBs | |
| 8260B (VOA) | |
| 8270 (Semi-VOA) | |
| Air Bubbles (Y or N) | |

Remarks:

Received by: [Signature] Date Time: 6/19/17 0900

Relinquished by: [Signature] Date Time: 06/20/17 1015

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** Souder, Miller & Associates**Client Sample ID:** Tiger W1**Project:** Tiger W1**Collection Date:** 6/13/2017 3:00:00 PM**Lab ID:** 1706875-001**Matrix:** AQUEOUS**Received Date:** 6/15/2017 9:30:00 AM

| Analyses | Result | PQL | Qual | Units | DF | Date Analyzed | Batch |
|---|--------|-------|------|------------|-----|-----------------------|--------|
| CARBON DIOXIDE Analyst: JRR | | | | | | | |
| Total Carbon Dioxide | 180 | 1.0 | H | mg CO2/L | 1 | 6/15/2017 8:49:30 PM | R43555 |
| SPECIFIC GRAVITY Analyst: JRR | | | | | | | |
| Specific Gravity | 1.096 | 0 | | | 1 | 6/22/2017 1:34:00 PM | R43724 |
| EPA METHOD 300.0: ANIONS Analyst: MRA | | | | | | | |
| Chloride | 100000 | 5000 | * | mg/L | 1E | 6/24/2017 4:31:52 AM | R43793 |
| Sulfate | 490 | 10 | * | mg/L | 20 | 6/16/2017 12:35:34 PM | R43601 |
| SM2320B: ALKALINITY Analyst: JRR | | | | | | | |
| Bicarbonate (As CaCO3) | 150.6 | 20.00 | | mg/L CaCO3 | 1 | 6/15/2017 8:49:30 PM | R43555 |
| Carbonate (As CaCO3) | ND | 2.000 | | mg/L CaCO3 | 1 | 6/15/2017 8:49:30 PM | R43555 |
| Total Alkalinity (as CaCO3) | 150.6 | 20.00 | | mg/L CaCO3 | 1 | 6/15/2017 8:49:30 PM | R43555 |
| SM2540C MOD: TOTAL DISSOLVED SOLIDS Analyst: KS | | | | | | | |
| Total Dissolved Solids | 164000 | 2000 | *D | mg/L | 1 | 6/21/2017 5:49:00 PM | 32389 |
| SM4500-H+B: PH Analyst: JRR | | | | | | | |
| pH | 6.77 | | H | pH units | 1 | 6/15/2017 8:49:30 PM | R43555 |
| EPA METHOD 200.7: METALS Analyst: pmf | | | | | | | |
| Barium | 3.4 | 0.040 | * | mg/L | 20 | 6/22/2017 3:04:53 PM | 32391 |
| Calcium | 6800 | 100 | | mg/L | 100 | 6/22/2017 5:02:18 PM | 32391 |
| Iron | 13 | 0.40 | * | mg/L | 20 | 6/22/2017 3:04:53 PM | 32391 |
| Magnesium | 1000 | 20 | | mg/L | 20 | 6/22/2017 3:04:53 PM | 32391 |
| Manganese | 1.1 | 0.040 | * | mg/L | 20 | 6/22/2017 3:04:53 PM | 32391 |
| Potassium | 860 | 20 | | mg/L | 20 | 6/22/2017 3:04:53 PM | 32391 |
| Sodium | 37000 | 1000 | | mg/L | 1E | 6/22/2017 8:15:36 PM | 32391 |
| Strontium | ND | 0.20 | | mg/L | 20 | 6/22/2017 3:04:53 PM | 32391 |

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