

Souder, Miller & Associates+201 S. Halagueno St.+Carlsbad, NM 88220 (575) 689-8801

May 8, 2020

NMOCD District 2 Ms. Victoria Venegas 811 S. First St., Artesia, NM 88210 5E29133-BG11

SUBJECT: Remediation Closure Report for the Fighting Okra 18 CTB 4 Release, Carlsbad, Lea County, New Mexico

Dear Ms. Venegas:

On behalf of Devon Energy Production Company, 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 Fighting Okra 18 CTB 4 site. The site is in Unit C, Section 18, Township 26S, Range 34E, Lea County, New Mexico, on federal 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  | Fighting Okra 18 CTB 4                      | Company                      | Devon Energy Production<br>Company |  |  |
| API Number  | N/A   | Location                     | 32.047988, -103.509655             |  |  |
| Incident<br>Number                                | TBD   |                              |                                    |  |  |
| Estimated Date of Release                         | 2/26/2020                                   | Date<br>Reported to<br>NMOCD | 2/26/2020                          |  |  |
| Landowner   | Federal                                     | Reported To                  | NMOCD, BLM, MNSLO                  |  |  |
| Source of<br>Release                              | Dump line of a three-phase separat the pad. | or developed a l             | nole causing fluid to release onto |  |  |
| Released  | 5 bbls                                      | Released                     | Crude Oil &                        |  |  |
| Volume  | 40 bbls                                     | Material                     | Produced Water                     |  |  |
| Recovered<br>Volume                               | 35 bbls                                     | Net Release                  | 10 bbls                            |  |  |
| NMOCD<br>Closure Criteria                         | >100 feet to groundwater                    |                              |                                    |  |  |
| SMA Response<br>Dates                             | 3/5/2020, 4/20- 21/2020                     |                              |                                    |  |  |

#### 1.0 Background

On February 26, 2020, a release was discovered at the Fighting Okra 18 CTB 4 site resulting from a 3phase separator developing a hole that caused the fluids to release. These contaminants remained on location. Initial response was conducted by Devon personnel, which included source elimination and containment activities, also a vacuum truck was on location which recovered approximately 30 barrels of fluid, that were hauled to and properly disposed of at R360 Environmental Solutions near Hobbs, NM. Figure 1 illustrates the vicinity and site location; Figure 2 illustrates the release location. The C-141 form is included in Appendix A.

#### 2.0 Site Information and Closure Criteria

The Fighting Okra 18 CTB 4 is located approximately 20 miles to the south west of Jal, New Mexico on Federal (BLM) land at an elevation of approximately 3,364 feet above mean sea level (amsl).

Based upon water well data (Appendix B), depth to groundwater in the area is estimated to be 196 feet below grade surface (bgs). There is one known water sources within ½-mile of the location, according to the New Mexico Office of the State Engineer (NMOSE) online water well database (https://gis.ose.state.nm.us/gisapps/ose\_pod\_locations/; accessed 3/3/2020). The nearest significant watercourse is a manmade pond, located approximately 3700 feet to the north west. Figure 2 illustrates the site with 200 and 300-foot radii to indicate that it does not lie within a sensitive area as described in 19.15.29.12.C(4) NMAC.

Based on the information presented herein, the applicable NMOCD Closure Criteria for this site is for a groundwater depth of greater than 100 feet bgs. To the extent possible, the site has been restored to meet the standards of Table I of 19.15.29.12 NMAC. On behalf of Devon, SMA is also requesting deferral for the area of the tank battery due to oil and gas operations equipment and above ground pipelines presenting a safety issue. This soil will remain in place until site abandonment.

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 March 5, 2020, SMA personnel arrived on site in response to the release associated with Fighting Okra 18 CTB 4. SMA performed site delineation activities by collecting soil samples around the release site and throughout the visibly stained area. Soil samples were field screened for chloride using an electrical conductivity (EC) meter and for hydrocarbon impacts using a calibrated MiniRAE 3000 photoionization detector (PID) equipped with a 10.6 eV lamp and/or for hydrocarbon impacts using a Dexsil® PetroFLAG TPH Analyzer.

A total of six (6) sample locations (S1-S6) were investigated using a hand-auger, collecting samples every six inches until reaching a depth of two (2) feet bgs. A minimum of two samples were collected at each sampling location and field-screened using the methods above. A total of twenty-four (24) 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.

As summarized in Table 3, results indicated that an area approximately 80 feet by 60 feet by 2 feet deep had been impacted.

Fighting Okra 18 CTB 4 Remediation Closure Report May 8, 2020

On April 20 and 21, 2020, SMA returned to the site to guide the excavation activities of the contaminated soil. Due to presence of site equipment and aboveground pipelines, excavation was limited to two areas, SMA guided excavation by collecting soil samples for field screening. The walls and base were excavated until field screening results indicated that the NMOCD Closure Criteria would be met. NMOCD was notified on April 17, 2020 that closure samples were expected to be collected in the referenced two (2) business days.

The first excavation area, represented by samples S1-S4, measured approximately 10 x 34 x 3 feet. Confirmation samples were comprised of five-point composites of the base (CS1- CS4) and walls (SW1- SW4). The second area, represented by samples (CS5, CS6) were collected from the area. In addition, six (6) delineation samples were also collected. Horizontal delineation samples are represented by sidewall samples SW1- SW4, and vertical delineation samples to two feet depth and represented by samples S7 and S8.

A total of seventeen (17) samples were collected for laboratory analysis. 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 Cardinal Laboratories, located in Hobbs, New Mexico (Appendix D). One sample (CS6) was delivered to Hall Laboratories, located in Albuquerque, New Mexico.

SMA is requesting remediation deferral for the areas represented by soil samples S5, S6, S7, S8, SW1 and SW2 due the proximity of oil and gas operations equipment. Samples S5, S8, SW1, and SW2 were collected underneath separator, S6 from below heater treater, and S7 from adjacent to the above ground pipelines. Any excavation past two (2) feet in depth would compromise the stability of the equipment. The containment has been delineated and does not cause imminent risk to human health, the environment or groundwater. The soil will remain in place until the site location's abandonment and pad reclamation requirement activities.

Figure 3 shows the extent of the excavation, sample locations, and the request deferral area. Laboratory results are summarized in Tables 3a and 3b. Laboratory reports are included in Appendix D.

Samples CS5 and SW3 will be addressed during plug and abandon activities. 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 R360 Environmental Solutions located near Hobbs, NM, an NMOCD permitted disposal facility.

#### 5.0 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 Ashley Maxwell at 505-320-9241 or Shawna Chubbuck at 505-325-7535.

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Fighting Okra 18 CTB 4 Remediation Closure Report May 8, 2020

Submitted by: SOUDER, MILLER & ASSOCIATES

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Ashley Maxwell Project Manager

Reviewed by:

Shawna Chubbuck

Shawna Chubbuck Senior Scientist

#### ATTACHMENTS:

#### Figures:

Figure 1: Vicinity and Well Head Protection Map Figure 2: Surface Water Radius Map Figure 3: Site and Sample Location Map

#### Tables:

Table 2: NMOCD Closure Criteria JustificationTable 3a: Summary of Initial Sample ResultsTable 3b: Summary of Closure Sample Results

#### **Appendices:**

Appendix A: Form C141 Appendix B: NMOSE Wells Report Appendix C: Sampling Protocol and Field Notes Appendix D: Laboratory Analytical Reports

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## FIGURES

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| Jason Tank  | <ul> <li>Point of Release</li> <li>Streams Canals</li> <li>Rivers</li> <li>NM Wetlands</li> <li>Lakes Playas</li> <li>FEMA Flood Zones</li> <li>Buffer Distance</li> </ul> |
|---|--|
|   | <ul> <li>100 Feet</li> <li>200 Feet</li> <li>300 Feet</li> </ul>   |
| Surface Water Protection Map<br>Fighting Okra 18 CTB 4 - Devon Energy | 0 200 400 800 US Feet  |

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## TABLES

#### Table 2: NMOCD Closure Criteria

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| Site Information (19.15.29.11.A(2, 3, and 4) NMAC)   |               | Source/Notes  |              |               |        |         |
|--|---------------|---|--------------|---------------|--------|---------|
| Depth to Groundwater (feet bgs)  | 151.6         | New Mexico Office of the State Engineer                             |              |               |        |         |
| Hortizontal Distance From All Water Sources Within 1/2 Mile (ft)   | NA            | USGS Topograhic Map   |              |               |        |         |
| Hortizontal Distance to Nearest Significant Watercourse (ft)   | 4,852         |   | Unam         | ed Playa      |        |         |
|  |               |   |              |               |        |         |
| Closure Criteria (19.15.2  | 29.12.B(4) an | d Table 1 NMAC)   |              |               |        |         |
|  |               | Closu   | ure Criteria | a (units in n | ng/kg) |         |
| Depth to Groundwater   |               | Chloride *numerical<br>limit or background,<br>whichever is greater | ТРН          | GRO +<br>DRO  | BTEX   | Benzene |
| < 50' BGS  |               | 600   | 100          |               | 50     | 10      |
| 51' to 100'  |               | 10000   | 2500         | 1000          | 50     | 10      |
| >100'  | Х             | 20000   | 2500         | 1000          | 50     | 10      |
| Surface Water  | yes or no     | if yes, then  |              |               |        |         |
| <300' from continuously flowing watercourse or other significant   |               |   |              |               |        |         |
| watercourse?   | No            |   |              |               |        |         |
| <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<br>less than 5 households for domestic or stock watering purposes? | No            |   |              |               |        |         |
| <1000' from fresh water well or spring?  | No            |   |              |               |        |         |
| Human and Other Areas  |               | 600   | 100          |               | 50     | 10      |
| <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            |   |              |               |        |         |

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Devon Energy Fighting Okra 18 CTB 4

| Sample    | Sample   | Depth           | Proposed<br>Action/ | BTEX   | Benzene | GRO   | DRO    | MRO   | Total<br>TPH | CI-   |
|-----------|----------|-----------------|---------------------|--------|---------|-------|--------|-------|--------------|-------|
| ID        | Date     | (leet bgs)      | Taken               | mg/Kg  | mg/Kg   | mg/Kg | mg/Kg  | mg/Kg | mg/Kg        | mg/Kg |
|           | NMOCD (  | Closure Criteri | а                   | 50     | 10      | 10    | 00     |       | 2500         | 20000 |
|           |          | 0.5             |                     | 126    | 3.3     | 1,700 | 8,000  | 2,300 | 12,000       | 860   |
| S1        |          | 1               | Excavated           | 6.719  | 0.059   | 140   | 430    | 130   | 700          | 1900  |
| 01        |          | 1.5             | LACAVALEU           | <0.222 | <0.025  | <4.9  | <9.3   | <47   | <61.2        | 280   |
|           |          | 2               |                     | <0.224 | <0.025  | <5.0  | <9.1   | <45   | <59.1        | <60   |
|           |          | 0.5             |                     | 107.7  | 1.5     | 1,700 | 8,600  | 2,500 | 12,800       | <60   |
| \$2       |          | 1               | Excavated           | 0.323  | <0.023  | <4.6  | 37     | <45   | 37           | <60   |
| 32        |          | 1.5             | LACAVALEU           | <0.212 | <0.024  | <4.7  | 15     | <48   | 15           | <60   |
|           |          | 2               |                     | <0.222 | <0.025  | <4.9  | <9.2   | <46   | <60.1        | <60   |
|           |          | 0.5             |                     | 335    | 12      | 5,300 | 22,000 | 5,800 | 33,100       | <60   |
| 63        |          | 1               | Excavated           | 0.17   | <0.025  | <4.9  | 17     | <49   | 17           | <60   |
| - 33      |          | 1.5             | LACAVALEU           | 0.746  | <0.024  | 18    | 110    | <50   | 128          | <60   |
|           | 3/5/2020 | 2               | Ī                   | 0.501  | < 0.024 | 11    | 360    | 120   | 491          | <60   |
|           | 5/5/2020 | 0.5             |                     | 260.8  | 5.8     | 3,900 | 19,000 | 5,400 | 28,300       | <60   |
| 64        |          | 1               | Executed            | 151.2  | 4.2     | 2,500 | 4,700  | 1,400 | 8,600        | <60   |
| - 34      |          | 1.5             | Excavaleu           | 37.33  | 0.63    | 690   | 4,300  | 1,300 | 6,290        | <60   |
|           |          | 2               |                     | 0.14   | <0.024  | <4.9  | 130    | 68    | 198          | <60   |
|           |          | 0.5             |                     | 89.1   | 1.5     | 1,300 | 7,500  | 2,200 | 11,000       | 6800  |
| 85        |          | 1               | in_citu             | 19.398 | 0.098   | 290   | 2,100  | 760   | 3,150        | 3000  |
|           |          | 1.5             | in-situ             | <0.224 | <0.025  | <5.0  | 23     | <45   | 23           | 1900  |
|           |          | 2               |                     | 0.1    | <0.024  | <4.8  | 80     | <42   | 80           | 140   |
|           |          | 0.5             |                     | 251.1  | 6.1     | 3,000 | 14,000 | 4,300 | 21,300       | 230   |
| <b>S6</b> |          | 1               | in-situ             | 51.82  | 0.52    | 810   | 4,700  | 1,400 | 6,910        | 99    |
| 00        |          | 1.5             | in-situ             | 0.655  | <0.025  | 14    | 130    | 66    | 210          | <60   |
|           |          | 2               |                     | <0.221 | < 0.025 | <4.9  | 18     | <45   | 18           | <60   |

"--" = Not Analyzed

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| Sampla | Sampla      | Depth of<br>Sample<br>(feet bgs) | Depth of Action |          | Method 8021B |       | Method 8015D |       |              |        |
|--------|-------------|----------------------------------|-----------------|----------|--------------|-------|--------------|-------|--------------|--------|
| ID     | Date        |                                  | Taken           | BTEX     | Benzene      | GRO   | DRO          | MRO   | Total<br>TPH | Cl-    |
|        |             |                                  |                 | mg/Kg    | mg/Kg        | mg/Kg | mg/Kg        | mg/Kg | mg/Kg        | mg/Kg  |
| NM     | OCD Closure | e Criteria (>4                   | 1 ft)           | 50       | 10           | 1,0   | 00           |       | 2,500        | 20,000 |
| CS1    | 4/21/2020   | 3.0                              |                 | <0.300   | <0.050       | <10.0 | 35.4         | <10.0 | 35.4         | 32.0   |
| CS2    | 4/21/2020   | 3.0                              |                 | <0.300   | <0.050       | <10.0 | <10.0        | <10.0 | <30.0        | <16.0  |
| CS3    | 4/21/2020   | 3.0                              |                 | <0.300   | <0.050       | <10.0 | 10.3         | <10.0 | 10.3         | <16.0  |
| CS4    | 4/21/2020   | 3.0                              |                 | <0.300   | <0.050       | <10.0 | <10.0        | <10.0 | <30.0        | 48.0   |
| CS5    | 4/21/2020   | 0.5                              |                 | <0.300   | <0.050       | <10.0 | 389          | 32.9  | 421.9        | 3,200  |
| CS6    | 4/21/2020   | 0.5                              |                 | <0.19    | <0.021       | <4.2  | 64           | 50    | 114          | 89     |
| SW1    | 4/21/2020   | 0-3.0                            |                 | <0.300   | <0.050       | <10.0 | <10.0        | <10.0 | <30.0        | 288    |
| SW2    | 4/21/2020   | 0-3.0                            |                 | 0.459    | <0.050       | <10.0 | 368          | 80.9  | 448.9        | 352    |
| SW3    | 4/21/2020   | 0-3.0                            | In-situ         | <0.300   | <0.050       | <10.0 | 63.7         | 14.4  | 78.1         | 2,400  |
| SW4    | 4/21/2020   | 0-3.0                            |                 | <0.300   | <0.050       | <10.0 | 76.2         | <10.0 | 76.2         | 64.0   |
|        |             | Surface                          |                 | 10.7     | 0.063        | 328   | 13,330       | 2,770 | 16,428       | 23,200 |
| \$7    | 1/21/2020   | 1.0                              |                 | 2.76     | <0.050       | 34.8  | 683          | 1010  | 1,727.8      | 6,160  |
| 57     | 4/21/2020   | 1.5                              |                 | <0.0300  | <0.050       | <10.0 | <10.0        | <10.0 | <30.0        | 704    |
|        |             | 2.0                              |                 | <0.300   | <0.050       | <10.0 | <10.0        | <10.0 | <30.0        | 128    |
|        |             | Surface                          |                 | 75.0     | 0.226        | 2,500 | 14,200       | 2,140 | 18,840       | 208    |
| S8     | 4/21/2020   | 1.0                              |                 | 3.19     | <0.050       | 121   | 1,030        | 118   | 1,269.0      | 32     |
|        |             | 2.0                              |                 | < 0.0300 | <0.050       | <10.0 | 11.9         | <10.0 | 11.9         | 32.0   |

"--" = Not Analyzed

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BG: Background sample

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# APPENDIX A FORM C141

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

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

### **Release Notification**

#### **Responsible Party**

| Responsible Party       | OGRID                        |
|-------------------------|------------------------------|
| Contact Name            | Contact Telephone            |
| Contact email           | Incident # (assigned by OCD) |
| Contact mailing address |                              |

#### **Location of Release Source**

Longitude

| Latitude |  |
|----------|--|
|          |  |

| Site Name               | Site Type            |
|-------------------------|----------------------|
| Date Release Discovered | API# (if applicable) |

(NAD 83 in decimal degrees to 5 decimal places)

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
|             |         |          |       |        |

Surface Owner: State Federal Tribal Private (Name: \_

#### Nature and Volume of Release

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

| Crude Oil        | Volume Released (bbls)   | Volume Recovered (bbls)                 |
|------------------|--|---|
| Produced Water   | Volume Released (bbls)   | Volume Recovered (bbls)                 |
|                  | Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l? | Yes No                                  |
| Condensate       | Volume Released (bbls)   | Volume Recovered (bbls)                 |
| 🗌 Natural Gas    | Volume Released (Mcf)  | Volume Recovered (Mcf)                  |
| Other (describe) | Volume/Weight Released (provide units)   | Volume/Weight Recovered (provide units) |
| Cause of Release |  |   |
|                  |  |   |
|                  |  |   |

| Page  | 2 |
|-------|---|
| 1 uge | - |

#### Oil Conservation Division

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

| Was this a major<br>release as defined by<br>19.15.29.7(A) NMAC? | If YES, for what reason(s) does the responsible party consider this a major release?  |
|--|---|
| Yes No   |   |
| If YES, was immediate n  | otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? |

#### **Initial Response**

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

The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

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

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

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

| Printed Name:             | Title:     |
|---------------------------|------------|
| Signature: Kendra DeHoyos | Date:      |
| email:                    | Telephone: |
| OCD Only                  |            |
| Received by:              | Date:      |

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Oil Conservation Division

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|----------------|---------------|
| Incident ID    | NRM2005959104 |
| District RP    |               |
| Facility ID    |               |
| Application ID |               |

### Site Assessment/Characterization

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

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

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- $\square$  Depth to water determination
- Determination of water sources and significant watercourses within <sup>1</sup>/<sub>2</sub>-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

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| <i>eceived by OCD: 6/4/202</i><br>form C-141<br>age 4  | 20 2:03:55 PM<br>State of New Mexico<br>Oil Conservation Divis   | o<br>ion   | Page 18 ojIncident IDNRM2005959104District RPFacility IDFacility IDApplication ID   |  |  |  |  |
|--|--|--|---|--|--|--|--|
| I hereby certify that the info<br>regulations all operators are<br>public health or the environ<br>failed to adequately investig<br>addition, OCD acceptance of<br>and/or regulations. | prmation given above is true and complete t<br>required to report and/or file certain releas<br>ment. The acceptance of a C-141 report by<br>gate and remediate contamination that pose<br>of a C-141 report does not relieve the operat | to the best of my knowledge a<br>se notifications and perform c<br>v the OCD does not relieve th<br>a threat to groundwater, surfa<br>tor of responsibility for comp<br>Title: EHS Profess | and understand that pursu<br>orrective actions for rele<br>e operator of liability sho<br>ace water, human health<br>liance with any other feo<br>ional | uant to OCD rules and<br>cases which may endanger<br>ould their operations have<br>or the environment. In<br>deral, state, or local laws |  |  |  |
| Signature: Lupe Car  | rasco  | Date:  |   |  |  |  |  |
| email: Lupe.Carrasco@  | dvn.com  | Telephone: 575-7   | 48-0165   |  |  |  |  |
| OCD Only<br>Received by:   |  | Date:  |   |  |  |  |  |

Page 6

Oil Conservation Division

|                | <b>Page 19 of 8</b> |
|----------------|---------------------|
| Incident ID    | NRM2005959104       |
| District RP    |                     |
| Facility ID    |                     |
| Application ID |                     |

### Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report. A scaled site and sampling diagram as described in 19.15.29.11 NMAC Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) Description of remediation activities I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. Printed Name: Lupe Carrasco \_\_\_\_\_ Title: EHS Professional Signature: Date: email: Lupe.Carrasco@dvn.com Telephone: 575-748-0165 **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:

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# APPENDIX B NMOSE WELLS REPORT

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| and the second   | V   | <i>N</i><br>Vat | <i>ew I</i><br>er C |   | ex<br>D | κ <i>i</i><br>Ιι | icc<br>In | o O<br>nn | offic<br>A | <i>ce of</i><br>vera | <i>the St</i><br>ge De | <i>ate En</i><br>epth t | ginee<br>o Wa    | r<br>ter       |        |
|--|---|-----------------|---------------------|---|---------|------------------|-----------|-----------|------------|----------------------|------------------------|-------------------------|------------------|----------------|--------|
| (A CLW##### in the<br>POD suffix indicates<br>the POD has been<br>replaced & no longer | A CLW##### in the<br>OD suffix indicates<br>the POD has been<br>eplaced & no longer<br>erves a water right<br>e.) (R=POD has<br>been replaced,<br>O=orphaned,<br>C=the file is<br>closed) |                 |                     |   | au      | arte             | ers a     | re 1=N    | IW 2=N     | IE 3=SW 4            | 1=SE)                  |                         |                  |                |        |
| serves a water right file.)  |   |                 |                     | (quarters are smallest to<br>largest) (NAD83 UTM in meters) |         |                  |           |           |            |                      | neters)                | (In feet)               |                  |                |        |
|  |   | POD<br>Sub-     |                     | Q   | Q       | Q                |           |           |            |                      |                        |                         |                  | w              | /ater  |
| POD Number   | Code  | basin           | County              | 64  | 16      | 4                | Sec       | Tws       | Rng        | X                    | Y                      | DistanceDe              | othWellDept      | thWaterCo      | lumn   |
| <u>C 02295</u>   |   | COB             | LE                  | 2   | 2       | 4                | 12        | 265       | 33E        | 639850               | 3547710*               | 1303                    | 250              | 200            | 50     |
| <u>C 02293</u>   |   | CUB             | LE                  | 2   | 2       | 1                | 14        | 26S       | 33E        | 637501               | 3546975 🌍              | 3213                    | 200              | 135            | 65     |
| <u>C 02294</u>   |   | CUB             | LE                  | 4   | 4       | 3                | 11        | 26S       | 33E        | 637465               | 3547003 🌍              | 3250                    | 200              | 145            | 55     |
| C 02292 POD1   |   | CUB             | LE                  | 4   | 1       | 2                | 06        | 26S       | 34E        | 640992               | 3549987 🌍              | 3274                    | 200              | 140            | 60     |
| C 03442 POD1   |   | С               | LE                  | 4   | 1       | 2                | 06        | 26S       | 34E        | 641056               | 3550028 🌍              | 3321                    | 251              |                |        |
| <u>C 03441 POD1</u>  |   | С               | LE                  | 4   | 1       | 2                | 06        | 26S       | 34E        | 640971               | 3550039 🌍              | 3325                    | 250              |                |        |
| <u>C 02291</u>   |   | CUB             | LE                  | 1   | 1       | 2                | 06        | 26S       | 34E        | 640825               | 3550140* 🌍             | 3417                    | 220              | 160            | 60     |
|  |   |                 |                     |   |         |                  |           |           |            |                      | Aver                   | age Depth to W          | /ater:           | 156 fee        | ət     |
|  |   |                 |                     |   |         |                  |           |           |            |                      |                        | Minimum De              | epth:            | 135 fee        | ət     |
|  |   |                 |                     |   |         |                  |           |           |            |                      |                        | Maximum De              | pth:             | 200 fee        | et     |
| Record Count:7   |   |                 |                     |   |         |                  |           |           |            |                      |                        |                         |                  |                |        |
| UTMNAD83 Radiu   | us Search   | (in mete        | ers):               |   |         |                  |           |           |            |                      |                        |                         |                  |                |        |
| Easting (X): 64  | 10704   |                 | Nort                | hin   | g ()    | ():              | 354       | 6725      |            |                      | Radius: 4000           |                         |                  |                |        |
| *UTM location was deriv  | ed from PL  | SS - see        | Help                |   |         |                  |           |           |            |                      |                        |                         |                  |                |        |
| The data is furnished by the   | ne NMOSE/I  | SC and is       | s accepted          | by  | the     | rec              | ipien     | t with th | ne expre   | essed under          | rstanding that the     | OSE/ISC make            | no warranties, e | expressed or i | mplied |
| 2/29/20 2:35 PM  | completenes   | o, reliabil     | ity, usadilli       | <u>y</u> , 0  | 1 50    | naL              | nity i    | or any    | ναιτιστικ  |                      | ח וווש עמומ.           | WATER CO<br>WATER       | LUMN/ AVER       | AGE DEPTH      | H TO   |

# APPENDIX C PHOTOGRAPHS

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© 167°S (T) ● 32°2'50"N, 103°30'37"W ±19ft ▲ 3366ft

S 180

Page 23 of 88

05 Mar 2020, 11:30:44

# devon

Received by OCD: 6/4/2020 2:03:55 PM

## FIGHTING OKRA 18 CTB 4 SEC. 18–T26S–R34E 975' FNL & 2460' FWL LEA COUNTY, NEW MEXICO LAT. N 32°02' 32.864'' LONG. W 103°30' 34.550'' Devon corporate contact: 800–361–3377



### © 357°N (T) ● 32°2'53"N, 103°30'35"W ±29ft ▲ 3365ft





© 282°W (T) ● 32°2'53"N, 103°30'34"W ±45ft ▲ 3366ft





### © 162°S (T) ● 32°2'54"N, 103°30'35"W ±13ft ▲ 3370ft

150

SE

120

Received by OCD: 6/4/2020 2:03:55 PM

90

S 180 SW Page 27 of 88

240

210













© 111°E (T) ● 32°2'54"N, 103°30'35"W ±22ft ▲ 3366ft





### © 19°N (T) ● 32°2'53"N, 103°30'35"W ±13ft ▲ 3364ft





### © 6°N (T) ● 32°2'53"N, 103°30'34"W ±19ft ▲ 3366ft

NE

60

30

of 88

90

N

300

0

330



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## APPENDIX D LABORATORY ANALYTICAL REPORTS
Surr: 4-Bromofluorobenzene

\_\_\_\_

**Analytical Report** Lab Order 2003327

| Hall Environmental Analysis Laboratory | v, Inc. |
|--|---------|
|--|---------|

| Hall Environmental Analysis   |              |          | Date Reported:            |                                 |                              |   |       |
|---|--------------|----------|---------------------------|---------------------------------|------------------------------|---|-------|
| CLIENT:Souder, Miller & AssociatesProject:Fighting OkraLab ID:2003327-001 | Matrix: SOIL | Cl<br>(  | ient S<br>Collec<br>Recei | ample II<br>tion Dat<br>ved Dat | D: S1-<br>e: 3/5/<br>e: 3/7/ | 6"<br>/2020 12:58:00 PM<br>/2020 8:00:00 AM |       |
| Analyses  | Result       | RL       | Qual                      | Units                           | DF                           | Date Analyzed                               | Batch |
| EPA METHOD 300.0: ANIONS  |              |          |                           |                                 |                              | Analyst:                                    | ЈМТ   |
| Chloride  | 860          | 60       |                           | mg/Kg                           | 20                           | 3/11/2020 3:05:45 PM                        | 51019 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS                                 |              |          |                           |                                 |                              | Analyst                                     | BRM   |
| Diesel Range Organics (DRO)   | 8000         | 98       |                           | mg/Kg                           | 10                           | 3/10/2020 6:22:46 PM                        | 50974 |
| Motor Oil Range Organics (MRO)  | 2300         | 490      |                           | mg/Kg                           | 10                           | 3/10/2020 6:22:46 PM                        | 50974 |
| Surr: DNOP  | 0            | 55.1-146 | S                         | %Rec                            | 10                           | 3/10/2020 6:22:46 PM                        | 50974 |
| EPA METHOD 8015D: GASOLINE RANG   | E            |          |                           |                                 |                              | Analyst                                     | RAA   |
| Gasoline Range Organics (GRO)   | 1700         | 480      |                           | mg/Kg                           | 100                          | 3/11/2020 5:45:07 PM                        | 50970 |
| Surr: BFB   | 120          | 66.6-105 | S                         | %Rec                            | 100                          | 3/11/2020 5:45:07 PM                        | 50970 |
| EPA METHOD 8021B: VOLATILES   |              |          |                           |                                 |                              | Analyst                                     | NSB   |
| Benzene   | 3.3          | 0.048    |                           | mg/Kg                           | 2                            | 3/10/2020 10:53:50 PM                       | 50970 |
| Toluene   | 32           | 4.8      |                           | mg/Kg                           | 100                          | 3/11/2020 5:45:07 PM                        | 50970 |
| Ethylbenzene  | 7.9          | 0.096    |                           | mg/Kg                           | 2                            | 3/10/2020 10:53:50 PM                       | 50970 |
| Xylenes, Total  | 83           | 9.6      |                           | mg/Kg                           | 100                          | 3/11/2020 5:45:07 PM                        | 50970 |

196

80-120

S

%Rec

2

3/10/2020 10:53:50 PM 50970

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

| Quanners: |
|-----------|
|-----------|

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 0

**Project:** 

Lab ID:

Analyses

Chloride

Surr: DNOP

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

CLIENT: Souder, Miller & Associates

Fighting Okra

2003327-002

**EPA METHOD 300.0: ANIONS** 

**Diesel Range Organics (DRO)** 

Motor Oil Range Organics (MRO)

Gasoline Range Organics (GRO)

Surr: 4-Bromofluorobenzene

**EPA METHOD 8021B: VOLATILES** 

**EPA METHOD 8015D: GASOLINE RANGE** 

Analytical Report Lab Order 2003327

3/10/2020 6:46:58 PM

3/10/2020 6:46:58 PM

3/10/2020 6:46:58 PM

3/11/2020 6:08:32 PM

Analyst: BRM

Analyst: RAA

Analyst: RAA

50974

50974

50974

50970

50970

50970

50970

50970

50970

50970

| Hall Environmental Analysis Laboratory, Il | Hall | ronment | al Ana | lysis | Laboratory | , Inc | • |
|--|------|---------|--------|-------|------------|-------|---|
|--|------|---------|--------|-------|------------|-------|---|

**EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** 

| sis Laboratory, Inc.  | •  |          |          |              | Date Reported:       |       |  |
|---|----|----------|----------|--------------|----------------------|-------|--|
|   | Cl | ient Sa  | ample II | <b>D:</b> S1 | -1'                  |       |  |
| Collection Date: 3/5/2020 1:00:00 PM<br>Matrix: SOIL Received Date: 3/7/2020 8:00:00 AM |    |          |          |              |                      |       |  |
| Result  | RL | Qual     | Units    | DF           | Date Analyzed        | Batch |  |
|   |    | <u> </u> |          |              | Analyst              | : JMT |  |
| 1900  | 60 |          | mg/Kg    | 20           | 3/11/2020 3:18:06 PM | 51019 |  |

mg/Kg

mg/Kg

%Rec

mg/Kg

%Rec

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

1

1

1

2

2

2

2

2

2

2

9.5

48

9.3

S

55.1-146

66.6-105

0.046

0.093

0.093

0.19

80-120

430

130

107

140

398

0.059

1.0

0.56

5.1

104

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

| Qualifiers |  |
|------------|--|
| Ouanners:  |  |

- \* 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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 2 of 0

| Hall Environmental Analysis Laboratory, I |
|---|
|---|

| Hall Environmental Analysis Laboratory, Inc. |  |   |          |      | Date Reported: |    |                       |       |  |  |  |
|--|--|---|----------|------|----------------|----|-----------------------|-------|--|--|--|
| CLIENT:<br>Project:                          | Souder, Miller & Associates<br>Fighting Okra | Client Sample ID: S1-1'6"<br>Collection Date: 3/5/2020 1:05:00 PM |          |      |                |    |                       |       |  |  |  |
| Lab ID:                                      | 2003327-003                                  | Matrix: SOIL       Received Date: 3/7/2020 8:00:00 AM             |          |      |                |    |                       |       |  |  |  |
| Analyses                                     |  | Result  | RL       | Qual | Units          | DF | Date Analyzed         | Batch |  |  |  |
| EPA MET                                      | HOD 300.0: ANIONS                            |   |          |      |                |    | Analyst:              | ЈМТ   |  |  |  |
| Chloride                                     |  | 280   | 60       |      | mg/Kg          | 20 | 3/11/2020 3:55:08 PM  | 51019 |  |  |  |
| EPA MET                                      | HOD 8015M/D: DIESEL RANGE                    | ORGANICS  |          |      |                |    | Analyst               | BRM   |  |  |  |
| Diesel R                                     | ange Organics (DRO)                          | ND  | 9.3      |      | mg/Kg          | 1  | 3/10/2020 7:11:17 PM  | 50974 |  |  |  |
| Motor Oi                                     | I Range Organics (MRO)                       | ND  | 47       |      | mg/Kg          | 1  | 3/10/2020 7:11:17 PM  | 50974 |  |  |  |
| Surr: [                                      | DNOP   | 102   | 55.1-146 |      | %Rec           | 1  | 3/10/2020 7:11:17 PM  | 50974 |  |  |  |
| EPA MET                                      | HOD 8015D: GASOLINE RANG                     | E   |          |      |                |    | Analyst               | NSB   |  |  |  |
| Gasoline                                     | Range Organics (GRO)                         | ND  | 4.9      |      | mg/Kg          | 1  | 3/10/2020 11:41:07 PM | 50970 |  |  |  |
| Surr: E                                      | 3FB  | 101   | 66.6-105 |      | %Rec           | 1  | 3/10/2020 11:41:07 PM | 50970 |  |  |  |
| EPA MET                                      | HOD 8021B: VOLATILES                         |   |          |      |                |    | Analyst               | NSB   |  |  |  |
| Benzene                                      |  | ND  | 0.025    |      | mg/Kg          | 1  | 3/10/2020 11:41:07 PM | 50970 |  |  |  |
| Toluene                                      |  | ND  | 0.049    |      | mg/Kg          | 1  | 3/10/2020 11:41:07 PM | 50970 |  |  |  |
| Ethylben                                     | zene   | ND  | 0.049    |      | mg/Kg          | 1  | 3/10/2020 11:41:07 PM | 50970 |  |  |  |
| Xylenes,                                     | Total  | ND  | 0.099    |      | mg/Kg          | 1  | 3/10/2020 11:41:07 PM | 50970 |  |  |  |
| Surr: 4                                      | 1-Bromofluorobenzene                         | 93.9  | 80-120   |      | %Rec           | 1  | 3/10/2020 11:41:07 PM | 50970 |  |  |  |

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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 3 of 0

# Hall Environmental Analysis Laboratory, Inc.

| Hall Environmental Analysis Laboratory, Inc. |  |  |          |        | Date Reported: |               |                       |       |  |  |  |
|--|--|--|----------|--------|----------------|---------------|-----------------------|-------|--|--|--|
| CLIENT:<br>Project:                          | Souder, Miller & Associates<br>Fighting Okra | Client Sample ID: S1-2'<br>Collection Date: 3/5/2020 1:10:00 |          |        |                |               |                       |       |  |  |  |
| Lab ID:                                      | 2003327-004                                  | Matrix: SOIL   |          | Receiv | ved Dat        | <b>e:</b> 3/7 | //2020 8:00:00 AM     |       |  |  |  |
| Analyses                                     |  | Result   | RL       | Qual   | Units          | DF            | Date Analyzed         | Batch |  |  |  |
| EPA MET                                      | HOD 300.0: ANIONS                            |  |          |        |                |               | Analyst               | ЈМТ   |  |  |  |
| Chloride                                     |  | ND   | 60       |        | mg/Kg          | 20            | 3/11/2020 4:07:29 PM  | 51019 |  |  |  |
| EPA MET                                      | HOD 8015M/D: DIESEL RANGE                    | ORGANICS   |          |        |                |               | Analyst               | BRM   |  |  |  |
| Diesel R                                     | ange Organics (DRO)                          | ND   | 9.1      |        | mg/Kg          | 1             | 3/10/2020 7:35:33 PM  | 50974 |  |  |  |
| Motor Oi                                     | I Range Organics (MRO)                       | ND   | 45       |        | mg/Kg          | 1             | 3/10/2020 7:35:33 PM  | 50974 |  |  |  |
| Surr: [                                      | DNOP   | 100  | 55.1-146 |        | %Rec           | 1             | 3/10/2020 7:35:33 PM  | 50974 |  |  |  |
| EPA MET                                      | HOD 8015D: GASOLINE RANGE                    | E  |          |        |                |               | Analyst               | NSB   |  |  |  |
| Gasoline                                     | Range Organics (GRO)                         | ND   | 5.0      |        | mg/Kg          | 1             | 3/11/2020 12:04:49 AM | 50970 |  |  |  |
| Surr: E                                      | 3FB  | 90.1   | 66.6-105 |        | %Rec           | 1             | 3/11/2020 12:04:49 AM | 50970 |  |  |  |
| EPA MET                                      | HOD 8021B: VOLATILES                         |  |          |        |                |               | Analyst               | NSB   |  |  |  |
| Benzene                                      |  | ND   | 0.025    |        | mg/Kg          | 1             | 3/11/2020 12:04:49 AM | 50970 |  |  |  |
| Toluene                                      |  | ND   | 0.050    |        | mg/Kg          | 1             | 3/11/2020 12:04:49 AM | 50970 |  |  |  |
| Ethylben                                     | zene   | ND   | 0.050    |        | mg/Kg          | 1             | 3/11/2020 12:04:49 AM | 50970 |  |  |  |
| Xylenes,                                     | Total  | ND   | 0.099    |        | mg/Kg          | 1             | 3/11/2020 12:04:49 AM | 50970 |  |  |  |
| Surr: 4                                      | 4-Bromofluorobenzene                         | 96.6   | 80-120   |        | %Rec           | 1             | 3/11/2020 12:04:49 AM | 50970 |  |  |  |

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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 4 of 0

# Hall Environmental Analysis Laboratory, Inc.

| Hall Environmental Analysis Laboratory, Inc. |  |   |          |      | Date Reported: |    |                      |       |  |  |  |
|--|--|---|----------|------|----------------|----|----------------------|-------|--|--|--|
| CLIENT:<br>Project:                          | Souder, Miller & Associates<br>Fighting Okra | Client Sample ID: S2-6"<br>Collection Date: 3/5/2020 2:16:00 PM |          |      |                |    |                      |       |  |  |  |
| Lab ID:                                      | 2003327-005                                  | Matrix: SOIL       Received Date: 3/7/2020 8:00:00 AM           |          |      |                |    |                      |       |  |  |  |
| Analyses                                     |  | Result  | RL       | Qual | Units          | DF | Date Analyzed        | Batch |  |  |  |
| ЕРА МЕТ                                      | HOD 300.0: ANIONS                            |   |          |      |                |    | Analyst              | JMT   |  |  |  |
| Chloride                                     |  | ND  | 60       |      | mg/Kg          | 20 | 3/11/2020 4:19:49 PM | 51019 |  |  |  |
| EPA MET                                      | HOD 8015M/D: DIESEL RANGE                    | ORGANICS  |          |      |                |    | Analyst              | BRM   |  |  |  |
| Diesel R                                     | ange Organics (DRO)                          | 8600  | 94       |      | mg/Kg          | 10 | 3/10/2020 7:59:53 PM | 50974 |  |  |  |
| Motor Oi                                     | I Range Organics (MRO)                       | 2500  | 470      |      | mg/Kg          | 10 | 3/10/2020 7:59:53 PM | 50974 |  |  |  |
| Surr: [                                      | DNOP   | 0   | 55.1-146 | S    | %Rec           | 10 | 3/10/2020 7:59:53 PM | 50974 |  |  |  |
| EPA MET                                      | HOD 8015D: GASOLINE RANG                     | E   |          |      |                |    | Analyst              | RAA   |  |  |  |
| Gasoline                                     | Range Organics (GRO)                         | 1700  | 96       |      | mg/Kg          | 20 | 3/11/2020 6:31:56 PM | 50970 |  |  |  |
| Surr: E                                      | 3FB  | 329   | 66.6-105 | S    | %Rec           | 20 | 3/11/2020 6:31:56 PM | 50970 |  |  |  |
| EPA MET                                      | HOD 8021B: VOLATILES                         |   |          |      |                |    | Analyst              | RAA   |  |  |  |
| Benzene                                      |  | 1.5   | 0.48     |      | mg/Kg          | 20 | 3/11/2020 6:31:56 PM | 50970 |  |  |  |
| Toluene                                      |  | 23  | 0.96     |      | mg/Kg          | 20 | 3/11/2020 6:31:56 PM | 50970 |  |  |  |
| Ethylben                                     | zene   | 8.2   | 0.96     |      | mg/Kg          | 20 | 3/11/2020 6:31:56 PM | 50970 |  |  |  |
| Xylenes,                                     | Total  | 75  | 1.9      |      | mg/Kg          | 20 | 3/11/2020 6:31:56 PM | 50970 |  |  |  |
| Surr: 4                                      | 1-Bromofluorobenzene                         | 106   | 80-120   |      | %Rec           | 20 | 3/11/2020 6:31:56 PM | 50970 |  |  |  |

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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

| Hall Environmental Analysis Laboratory, Inc. |                         |          |         | Date Reported: |        |                      |       |  |  |  |
|--|-------------------------|----------|---------|----------------|--------|----------------------|-------|--|--|--|
| CLIENT: Souder, Miller & Associates          | Client Sample ID: S2-1' |          |         |                |        |                      |       |  |  |  |
| Project: Fighting Okra                       |                         | (        | Collect | tion Dat       | e: 3/5 | 5/2020 2:18:00 PM    |       |  |  |  |
| Lab ID: 2003327-006                          | Matrix: SOIL            |          | Recei   | ved Dat        | e: 3/7 | //2020 8:00:00 AM    |       |  |  |  |
| Analyses                                     | Result                  | RL       | Qual    | Units          | DF     | Date Analyzed        | Batch |  |  |  |
| EPA METHOD 300.0: ANIONS                     |                         |          |         |                |        | Analyst              | : JMT |  |  |  |
| Chloride                                     | ND                      | 60       |         | mg/Kg          | 20     | 3/11/2020 4:32:10 PM | 51019 |  |  |  |
| EPA METHOD 8015M/D: DIESEL RAN               | IGE ORGANICS            |          |         |                |        | Analyst              | BRM   |  |  |  |
| Diesel Range Organics (DRO)                  | 37                      | 9.1      |         | mg/Kg          | 1      | 3/10/2020 8:24:03 PM | 50974 |  |  |  |
| Motor Oil Range Organics (MRO)               | ND                      | 45       |         | mg/Kg          | 1      | 3/10/2020 8:24:03 PM | 50974 |  |  |  |
| Surr: DNOP                                   | 103                     | 55.1-146 |         | %Rec           | 1      | 3/10/2020 8:24:03 PM | 50974 |  |  |  |
| EPA METHOD 8015D: GASOLINE RA                | NGE                     |          |         |                |        | Analyst              | RAA   |  |  |  |
| Gasoline Range Organics (GRO)                | ND                      | 4.6      |         | mg/Kg          | 1      | 3/11/2020 7:18:33 PM | 50970 |  |  |  |
| Surr: BFB                                    | 119                     | 66.6-105 | S       | %Rec           | 1      | 3/11/2020 7:18:33 PM | 50970 |  |  |  |
| EPA METHOD 8021B: VOLATILES                  |                         |          |         |                |        | Analyst              | RAA   |  |  |  |
| Benzene                                      | ND                      | 0.023    |         | mg/Kg          | 1      | 3/11/2020 7:18:33 PM | 50970 |  |  |  |
| Toluene                                      | 0.063                   | 0.046    |         | mg/Kg          | 1      | 3/11/2020 7:18:33 PM | 50970 |  |  |  |
| Ethylbenzene                                 | ND                      | 0.046    |         | mg/Kg          | 1      | 3/11/2020 7:18:33 PM | 50970 |  |  |  |
| Xylenes, Total                               | 0.26                    | 0.093    |         | mg/Kg          | 1      | 3/11/2020 7:18:33 PM | 50970 |  |  |  |
| Surr: 4-Bromofluorobenzene                   | 94.6                    | 80-120   |         | %Rec           | 1      | 3/11/2020 7:18:33 PM | 50970 |  |  |  |

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
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- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
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- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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| Hall | Environmental | Analysis | Laboratory, | Inc. |
|------|---------------|----------|-------------|------|
|------|---------------|----------|-------------|------|

| Hall Er             | nvironmental Analysis       | Laboratory,  | Inc.     |                    |                     |        | Date Reported:             |       |
|---------------------|-----------------------------|--------------|----------|--------------------|---------------------|--------|----------------------------|-------|
| CLIENT:<br>Project: | Souder, Miller & Associates |              | Cl       | ient Sa<br>Collect | ample II<br>ion Dat | D: S2  | -1'6"<br>//2020 2:20:00 PM |       |
| Lab ID:             | 2003327-007                 | Matrix: SOIL |          | Recei              | ved Dat             | e: 3/7 | /2020 2:20:00 AM           |       |
| Analyses            |                             | Result       | RL       | Qual               | Units               | DF     | Date Analyzed              | Batch |
| EPA MET             | HOD 300.0: ANIONS           |              |          |                    |                     |        | Analyst                    | : ЈМТ |
| Chloride            |                             | ND           | 60       |                    | mg/Kg               | 20     | 3/11/2020 7:37:19 PM       | 51039 |
| EPA MET             | HOD 8015M/D: DIESEL RANGE   | ORGANICS     |          |                    |                     |        | Analyst                    | BRM   |
| Diesel Ra           | ange Organics (DRO)         | 15           | 9.6      |                    | mg/Kg               | 1      | 3/10/2020 8:48:21 PM       | 50974 |
| Motor Oil           | I Range Organics (MRO)      | ND           | 48       |                    | mg/Kg               | 1      | 3/10/2020 8:48:21 PM       | 50974 |
| Surr: E             | DNOP                        | 102          | 55.1-146 |                    | %Rec                | 1      | 3/10/2020 8:48:21 PM       | 50974 |
| EPA MET             | HOD 8015D: GASOLINE RANGE   | E            |          |                    |                     |        | Analyst                    | NSB   |
| Gasoline            | Range Organics (GRO)        | ND           | 4.7      |                    | mg/Kg               | 1      | 3/11/2020 1:15:46 AM       | 50970 |
| Surr: E             | 3FB                         | 86.4         | 66.6-105 |                    | %Rec                | 1      | 3/11/2020 1:15:46 AM       | 50970 |
| EPA MET             | HOD 8021B: VOLATILES        |              |          |                    |                     |        | Analyst                    | NSB   |
| Benzene             |                             | ND           | 0.024    |                    | mg/Kg               | 1      | 3/11/2020 1:15:46 AM       | 50970 |
| Toluene             |                             | ND           | 0.047    |                    | mg/Kg               | 1      | 3/11/2020 1:15:46 AM       | 50970 |
| Ethylben            | zene                        | ND           | 0.047    |                    | mg/Kg               | 1      | 3/11/2020 1:15:46 AM       | 50970 |
| Xylenes,            | Total                       | ND           | 0.094    |                    | mg/Kg               | 1      | 3/11/2020 1:15:46 AM       | 50970 |
| Surr: 4             | 1-Bromofluorobenzene        | 92.1         | 80-120   |                    | %Rec                | 1      | 3/11/2020 1:15:46 AM       | 50970 |

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Qualifiers:

- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
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- PQL Practical Quanitative Limit
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- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

| Hall Er   | nvironmental Analysis       | Laboratory,  | Inc.     |          |         |               | Date Reported:       |       |
|-----------|-----------------------------|--------------|----------|----------|---------|---------------|----------------------|-------|
| CLIENT:   | Souder, Miller & Associates |              | Cl       | lient Sa | mple II | <b>D:</b> S2  | -2'                  |       |
| Project:  | Fighting Okra               |              |          | Collect  | ion Dat | <b>e:</b> 3/5 | 5/2020 2:20:00 PM    |       |
| Lab ID:   | 2003327-008                 | Matrix: SOIL |          | Receiv   | ved Dat | <b>e:</b> 3/7 | /2020 8:00:00 AM     |       |
| Analyses  |                             | Result       | RL       | Qual     | Units   | DF            | Date Analyzed        | Batch |
| EPA MET   | HOD 300.0: ANIONS           |              |          |          |         |               | Analyst              | : JMT |
| Chloride  |                             | ND           | 60       |          | mg/Kg   | 20            | 3/11/2020 7:49:41 PM | 51039 |
| EPA MET   | HOD 8015M/D: DIESEL RANGE   | ORGANICS     |          |          |         |               | Analyst              | BRM   |
| Diesel Ra | ange Organics (DRO)         | ND           | 9.2      |          | mg/Kg   | 1             | 3/10/2020 9:12:32 PM | 50974 |
| Motor Oil | Range Organics (MRO)        | ND           | 46       |          | mg/Kg   | 1             | 3/10/2020 9:12:32 PM | 50974 |
| Surr: E   | DNOP                        | 100          | 55.1-146 |          | %Rec    | 1             | 3/10/2020 9:12:32 PM | 50974 |
| EPA MET   | HOD 8015D: GASOLINE RANG    | E            |          |          |         |               | Analyst              | NSB   |
| Gasoline  | Range Organics (GRO)        | ND           | 4.9      |          | mg/Kg   | 1             | 3/11/2020 1:39:21 AM | 50970 |
| Surr: E   | 3FB                         | 84.2         | 66.6-105 |          | %Rec    | 1             | 3/11/2020 1:39:21 AM | 50970 |
| EPA MET   | HOD 8021B: VOLATILES        |              |          |          |         |               | Analyst              | NSB   |
| Benzene   |                             | ND           | 0.025    |          | mg/Kg   | 1             | 3/11/2020 1:39:21 AM | 50970 |
| Toluene   |                             | ND           | 0.049    |          | mg/Kg   | 1             | 3/11/2020 1:39:21 AM | 50970 |
| Ethylben  | zene                        | ND           | 0.049    |          | mg/Kg   | 1             | 3/11/2020 1:39:21 AM | 50970 |
| Xylenes,  | Total                       | ND           | 0.099    |          | mg/Kg   | 1             | 3/11/2020 1:39:21 AM | 50970 |
| Surr: 4   | I-Bromofluorobenzene        | 89.9         | 80-120   |          | %Rec    | 1             | 3/11/2020 1:39:21 AM | 50970 |

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

**Qualifiers:** 

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

| Hall Er             | nvironmental Analysis                        | Laboratory,  | Inc.     |                    |                     |                 | Date Reported:           |       |
|---------------------|--|--------------|----------|--------------------|---------------------|-----------------|--------------------------|-------|
| CLIENT:<br>Project: | Souder, Miller & Associates<br>Fighting Okra |              | Cl       | ient Sa<br>Collect | ample II<br>ion Dat | D: S3<br>e: 3/5 | -6"<br>5/2020 2:33:00 PM |       |
| Lab ID:             | 2003327-009                                  | Matrix: SOIL |          | Recei              | ved Dat             | <b>e:</b> 3/7   | 7/2020 8:00:00 AM        |       |
| Analyses            |  | Result       | RL       | Qual               | Units               | DF              | Date Analyzed            | Batch |
| EPA MET             | HOD 300.0: ANIONS                            |              |          |                    |                     |                 | Analyst                  | JMT   |
| Chloride            |  | ND           | 60       |                    | mg/Kg               | 20              | 3/11/2020 8:02:01 PM     | 51039 |
| EPA MET             | HOD 8015M/D: DIESEL RANGE                    | ORGANICS     |          |                    |                     |                 | Analyst                  | BRM   |
| Diesel R            | ange Organics (DRO)                          | 22000        | 490      |                    | mg/Kg               | 50              | 3/12/2020 12:32:44 AM    | 50974 |
| Motor Oi            | I Range Organics (MRO)                       | 5800         | 2500     |                    | mg/Kg               | 50              | 3/12/2020 12:32:44 AM    | 50974 |
| Surr: [             | DNOP   | 0            | 55.1-146 | S                  | %Rec                | 50              | 3/12/2020 12:32:44 AM    | 50974 |
| EPA MET             | HOD 8015D: GASOLINE RANG                     | E            |          |                    |                     |                 | Analyst                  | RAA   |
| Gasoline            | Range Organics (GRO)                         | 5300         | 230      |                    | mg/Kg               | 50              | 3/11/2020 7:41:49 PM     | 50970 |
| Surr: E             | 3FB  | 296          | 66.6-105 | S                  | %Rec                | 50              | 3/11/2020 7:41:49 PM     | 50970 |
| EPA MET             | HOD 8021B: VOLATILES                         |              |          |                    |                     |                 | Analyst                  | RAA   |
| Benzene             |  | 12           | 1.2      |                    | mg/Kg               | 50              | 3/11/2020 7:41:49 PM     | 50970 |
| Toluene             |  | 100          | 2.3      |                    | mg/Kg               | 50              | 3/11/2020 7:41:49 PM     | 50970 |
| Ethylben            | zene   | 23           | 2.3      |                    | mg/Kg               | 50              | 3/11/2020 7:41:49 PM     | 50970 |
| Xylenes,            | Total  | 200          | 4.7      |                    | mg/Kg               | 50              | 3/11/2020 7:41:49 PM     | 50970 |
| Surr: 4             | 1-Bromofluorobenzene                         | 107          | 80-120   |                    | %Rec                | 50              | 3/11/2020 7:41:49 PM     | 50970 |

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

**Qualifiers:** 

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- ND Not Detected at the Reporting Limit
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- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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Date Reported:

| Hall | Environmental | Analysis | Laboratory, | Inc. |
|------|---------------|----------|-------------|------|
|------|---------------|----------|-------------|------|

|                     |  | _   |          |              |               |                       |       |  |  |  |  |
|---------------------|--|---|----------|--------------|---------------|-----------------------|-------|--|--|--|--|
| CLIENT:<br>Project: | Souder, Miller & Associates<br>Fighting Okra | Client Sample ID: S3-1'<br>Collection Date: 3/5/2020 2:36:00 PM |          |              |               |                       |       |  |  |  |  |
| Lab ID:             | 2003327-010                                  | Matrix: SOIL  |          | Received Dat | <b>e:</b> 3/7 | 7/2020 8:00:00 AM     |       |  |  |  |  |
| Analyses            |  | Result  | RL       | Qual Units   | DF            | Date Analyzed         | Batch |  |  |  |  |
| EPA MET             | THOD 300.0: ANIONS                           |   |          |              |               | Analyst               | JMT   |  |  |  |  |
| Chloride            |  | ND  | 60       | mg/Kg        | 20            | 3/11/2020 8:14:22 PM  | 51039 |  |  |  |  |
| EPA MET             | HOD 8015M/D: DIESEL RANG                     | E ORGANICS  |          |              |               | Analyst               | BRM   |  |  |  |  |
| Diesel R            | ange Organics (DRO)                          | 17  | 9.7      | mg/Kg        | 1             | 3/10/2020 10:00:51 PM | 50974 |  |  |  |  |
| Motor Oi            | I Range Organics (MRO)                       | ND  | 49       | mg/Kg        | 1             | 3/10/2020 10:00:51 PM | 50974 |  |  |  |  |
| Surr: [             | DNOP   | 106   | 55.1-146 | %Rec         | 1             | 3/10/2020 10:00:51 PM | 50974 |  |  |  |  |
| EPA MET             | THOD 8015D: GASOLINE RANG                    | θE  |          |              |               | Analyst               | RAA   |  |  |  |  |
| Gasoline            | Range Organics (GRO)                         | ND  | 4.9      | mg/Kg        | 1             | 3/11/2020 8:05:20 PM  | 50970 |  |  |  |  |
| Surr: E             | BFB  | 104   | 66.6-105 | %Rec         | 1             | 3/11/2020 8:05:20 PM  | 50970 |  |  |  |  |
| EPA MET             | THOD 8021B: VOLATILES                        |   |          |              |               | Analyst               | RAA   |  |  |  |  |
| Benzene             | 9  | ND  | 0.025    | mg/Kg        | 1             | 3/11/2020 8:05:20 PM  | 50970 |  |  |  |  |
| Toluene             |  | ND  | 0.049    | mg/Kg        | 1             | 3/11/2020 8:05:20 PM  | 50970 |  |  |  |  |
| Ethylben            | izene  | ND  | 0.049    | mg/Kg        | 1             | 3/11/2020 8:05:20 PM  | 50970 |  |  |  |  |
| Xylenes,            | Total  | 0.17  | 0.099    | mg/Kg        | 1             | 3/11/2020 8:05:20 PM  | 50970 |  |  |  |  |
| Surr: 4             | 4-Bromofluorobenzene                         | 92.6  | 80-120   | %Rec         | 1             | 3/11/2020 8:05:20 PM  | 50970 |  |  |  |  |

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Qualifiers:

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- \* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
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- B Analyte detected in the associated Method Blank
- E Value above quantitation range
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- RL Reporting Limit

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| Hall | Environmental | Analysis | Laboratory, | Inc. |
|------|---------------|----------|-------------|------|
|------|---------------|----------|-------------|------|

| Hall Er   | nvironmental Analysis       | Laboratory,  | Inc.     |          |         |               | Date Reported:        |       |
|-----------|-----------------------------|--------------|----------|----------|---------|---------------|-----------------------|-------|
| CLIENT:   | Souder, Miller & Associates |              | Cl       | lient Sa | ample I | <b>D:</b> S3  | -1'6"                 |       |
| Project:  | Fighting Okra               |              | (        | Collect  | ion Dat | <b>e:</b> 3/5 | 5/2020 2:40:00 PM     |       |
| Lab ID:   | 2003327-011                 | Matrix: SOIL |          | Recei    | ved Dat | <b>e:</b> 3/7 | //2020 8:00:00 AM     |       |
| Analyses  |                             | Result       | RL       | Qual     | Units   | DF            | Date Analyzed         | Batch |
| EPA MET   | HOD 300.0: ANIONS           |              |          |          |         |               | Analyst:              | ЈМТ   |
| Chloride  |                             | ND           | 60       |          | mg/Kg   | 20            | 3/11/2020 8:51:24 PM  | 51039 |
| EPA MET   | HOD 8015M/D: DIESEL RANGE   | ORGANICS     |          |          |         |               | Analyst:              | BRM   |
| Diesel Ra | ange Organics (DRO)         | 110          | 9.9      |          | mg/Kg   | 1             | 3/10/2020 10:25:10 PM | 50974 |
| Motor Oi  | I Range Organics (MRO)      | ND           | 50       |          | mg/Kg   | 1             | 3/10/2020 10:25:10 PM | 50974 |
| Surr: [   | DNOP                        | 110          | 55.1-146 |          | %Rec    | 1             | 3/10/2020 10:25:10 PM | 50974 |
| EPA MET   | HOD 8015D: GASOLINE RANGE   | E            |          |          |         |               | Analyst               | RAA   |
| Gasoline  | Range Organics (GRO)        | 18           | 4.7      |          | mg/Kg   | 1             | 3/11/2020 8:28:54 PM  | 50970 |
| Surr: E   | 3FB                         | 190          | 66.6-105 | S        | %Rec    | 1             | 3/11/2020 8:28:54 PM  | 50970 |
| EPA MET   | HOD 8021B: VOLATILES        |              |          |          |         |               | Analyst:              | RAA   |
| Benzene   |                             | ND           | 0.024    |          | mg/Kg   | 1             | 3/11/2020 8:28:54 PM  | 50970 |
| Toluene   |                             | 0.073        | 0.047    |          | mg/Kg   | 1             | 3/11/2020 8:28:54 PM  | 50970 |
| Ethylben  | zene                        | 0.073        | 0.047    |          | mg/Kg   | 1             | 3/11/2020 8:28:54 PM  | 50970 |
| Xylenes,  | Total                       | 0.60         | 0.095    |          | mg/Kg   | 1             | 3/11/2020 8:28:54 PM  | 50970 |
| Surr: 4   | 1-Bromofluorobenzene        | 99.9         | 80-120   |          | %Rec    | 1             | 3/11/2020 8:28:54 PM  | 50970 |

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Qualifiers:

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- PQL Practical Quanitative Limit
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- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
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## Hall Environmental Analysis Laboratory, Inc.

| Hall Er             | nvironmental Analysis                        | Laboratory,  | Inc.     |                     |                     |                 | Date Reported:           |       |
|---------------------|--|--------------|----------|---------------------|---------------------|-----------------|--------------------------|-------|
| CLIENT:<br>Proiect: | Souder, Miller & Associates<br>Fighting Okra |              | C        | lient Sa<br>Collect | ample II<br>ion Dat | D: S3<br>e: 3/5 | -2'<br>5/2020 2:43:00 PM |       |
| Lab ID:             | 2003327-012                                  | Matrix: SOIL |          | Recei               | ved Dat             | <b>e:</b> 3/7   | /2020 8:00:00 AM         |       |
| Analyses            |  | Result       | RL       | Qual                | Units               | DF              | Date Analyzed            | Batch |
| EPA MET             | HOD 300.0: ANIONS                            |              |          |                     |                     |                 | Analyst                  | JMT   |
| Chloride            |  | ND           | 60       |                     | mg/Kg               | 20              | 3/11/2020 9:03:45 PM     | 51039 |
| EPA MET             | HOD 8015M/D: DIESEL RANGE                    | ORGANICS     |          |                     |                     |                 | Analyst:                 | BRM   |
| Diesel R            | ange Organics (DRO)                          | 360          | 9.7      |                     | mg/Kg               | 1               | 3/10/2020 10:49:17 PM    | 50974 |
| Motor Oi            | I Range Organics (MRO)                       | 120          | 48       |                     | mg/Kg               | 1               | 3/10/2020 10:49:17 PM    | 50974 |
| Surr: [             | ONOP   | 105          | 55.1-146 |                     | %Rec                | 1               | 3/10/2020 10:49:17 PM    | 50974 |
| EPA MET             | HOD 8015D: GASOLINE RANG                     | E            |          |                     |                     |                 | Analyst                  | RAA   |
| Gasoline            | Range Organics (GRO)                         | 11           | 4.7      |                     | mg/Kg               | 1               | 3/11/2020 8:52:21 PM     | 50970 |
| Surr: E             | 3FB  | 147          | 66.6-105 | S                   | %Rec                | 1               | 3/11/2020 8:52:21 PM     | 50970 |
| EPA MET             | HOD 8021B: VOLATILES                         |              |          |                     |                     |                 | Analyst                  | RAA   |
| Benzene             |  | ND           | 0.024    |                     | mg/Kg               | 1               | 3/11/2020 8:52:21 PM     | 50970 |
| Toluene             |  | 0.062        | 0.047    |                     | mg/Kg               | 1               | 3/11/2020 8:52:21 PM     | 50970 |
| Ethylben            | zene   | 0.049        | 0.047    |                     | mg/Kg               | 1               | 3/11/2020 8:52:21 PM     | 50970 |
| Xylenes,            | Total  | 0.39         | 0.095    |                     | mg/Kg               | 1               | 3/11/2020 8:52:21 PM     | 50970 |
| Surr: 4             | 4-Bromofluorobenzene                         | 94.0         | 80-120   |                     | %Rec                | 1               | 3/11/2020 8:52:21 PM     | 50970 |

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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

| Hall Er   | nvironmental Analysis       | Laboratory,  | Inc.     |          |          |               | Date Reported:        |       |
|-----------|-----------------------------|--------------|----------|----------|----------|---------------|-----------------------|-------|
| CLIENT:   | Souder, Miller & Associates |              | Cl       | lient Sa | ample II | D: S4         | -6"                   |       |
| Project:  | Fighting Okra               |              | (        | Collect  | ion Dat  | e: 3/5        | 6/2020 2:45:00 PM     |       |
| Lab ID:   | 2003327-013                 | Matrix: SOIL |          | Recei    | ved Dat  | <b>e:</b> 3/7 | 7/2020 8:00:00 AM     |       |
| Analyses  |                             | Result       | RL       | Qual     | Units    | DF            | Date Analyzed         | Batch |
| EPA MET   | HOD 300.0: ANIONS           |              |          |          |          |               | Analyst:              | JMT   |
| Chloride  |                             | ND           | 60       |          | mg/Kg    | 20            | 3/11/2020 9:16:05 PM  | 51039 |
| EPA MET   | HOD 8015M/D: DIESEL RANGE   | ORGANICS     |          |          |          |               | Analyst:              | BRM   |
| Diesel Ra | ange Organics (DRO)         | 19000        | 460      |          | mg/Kg    | 50            | 3/12/2020 12:56:52 AM | 50974 |
| Motor Oi  | I Range Organics (MRO)      | 5400         | 2300     |          | mg/Kg    | 50            | 3/12/2020 12:56:52 AM | 50974 |
| Surr: [   | DNOP                        | 0            | 55.1-146 | S        | %Rec     | 50            | 3/12/2020 12:56:52 AM | 50974 |
| EPA MET   | HOD 8015D: GASOLINE RANG    | E            |          |          |          |               | Analyst               | NSB   |
| Gasoline  | Range Organics (GRO)        | 3900         | 240      |          | mg/Kg    | 50            | 3/12/2020 10:23:34 PM | 50970 |
| Surr: E   | 3FB                         | 287          | 66.6-105 | S        | %Rec     | 50            | 3/12/2020 10:23:34 PM | 50970 |
| EPA MET   | HOD 8021B: VOLATILES        |              |          |          |          |               | Analyst               | RAA   |
| Benzene   | •                           | 5.8          | 0.12     |          | mg/Kg    | 5             | 3/11/2020 9:15:45 PM  | 50970 |
| Toluene   |                             | 68           | 2.4      |          | mg/Kg    | 50            | 3/12/2020 10:23:34 PM | 50970 |
| Ethylben  | zene                        | 17           | 0.24     |          | mg/Kg    | 5             | 3/11/2020 9:15:45 PM  | 50970 |
| Xylenes,  | Total                       | 170          | 4.8      |          | mg/Kg    | 50            | 3/12/2020 10:23:34 PM | 50970 |
| Surr: 4   | 1-Bromofluorobenzene        | 184          | 80-120   | S        | %Rec     | 5             | 3/11/2020 9:15:45 PM  | 50970 |

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
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- PQL Practical Quanitative Limit
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- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

| Hall Er             | nvironmental Analysis                        | Laboratory,  | Inc.     |                     |                    |                 | Date Reported:           |       |
|---------------------|--|--------------|----------|---------------------|--------------------|-----------------|--------------------------|-------|
| CLIENT:<br>Proiect: | Souder, Miller & Associates<br>Fighting Okra |              | C        | lient Sa<br>Collect | ample I<br>ion Dat | D: S4<br>e: 3/5 | -1'<br>5/2020 2:47:00 PM |       |
| Lab ID:             | 2003327-014                                  | Matrix: SOIL |          | Recei               | ved Dat            | e: 3/7          | 7/2020 8:00:00 AM        |       |
| Analyses            |  | Result       | RL       | Qual                | Units              | DF              | Date Analyzed            | Batch |
| EPA MET             | HOD 300.0: ANIONS                            |              |          |                     |                    |                 | Analyst:                 | JMT   |
| Chloride            |  | ND           | 60       |                     | mg/Kg              | 20              | 3/11/2020 9:28:26 PM     | 51039 |
| EPA MET             | HOD 8015M/D: DIESEL RANGE                    | ORGANICS     |          |                     |                    |                 | Analyst:                 | CLP   |
| Diesel R            | ange Organics (DRO)                          | 4700         | 91       |                     | mg/Kg              | 10              | 3/13/2020 12:58:28 PM    | 51014 |
| Motor Oi            | I Range Organics (MRO)                       | 1400         | 460      |                     | mg/Kg              | 10              | 3/13/2020 12:58:28 PM    | 51014 |
| Surr: [             | DNOP   | 0            | 55.1-146 | S                   | %Rec               | 10              | 3/13/2020 12:58:28 PM    | 51014 |
| EPA MET             | HOD 8015D: GASOLINE RANG                     | E            |          |                     |                    |                 | Analyst:                 | NSB   |
| Gasoline            | Range Organics (GRO)                         | 2500         | 240      |                     | mg/Kg              | 50              | 3/12/2020 10:47:01 PM    | 51002 |
| Surr: E             | 3FB  | 221          | 66.6-105 | S                   | %Rec               | 50              | 3/12/2020 10:47:01 PM    | 51002 |
| EPA MET             | HOD 8021B: VOLATILES                         |              |          |                     |                    |                 | Analyst:                 | RAA   |
| Benzene             |  | 4.2          | 0.12     |                     | mg/Kg              | 5               | 3/12/2020 3:10:08 AM     | 51002 |
| Toluene             |  | 37           | 2.4      |                     | mg/Kg              | 50              | 3/12/2020 10:47:01 PM    | 51002 |
| Ethylben            | zene   | 15           | 0.24     |                     | mg/Kg              | 5               | 3/12/2020 3:10:08 AM     | 51002 |
| Xylenes,            | Total  | 95           | 4.7      |                     | mg/Kg              | 50              | 3/12/2020 10:47:01 PM    | 51002 |
| Surr: 4             | 1-Bromofluorobenzene                         | 212          | 80-120   | S                   | %Rec               | 5               | 3/12/2020 3:10:08 AM     | 51002 |

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
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- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
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- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
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- Р Sample pH Not In Range
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

| Hall Er   | nvironmental Analysis       | Laboratory,  | Inc.     |         |          |               | Date Reported:        |       |
|-----------|-----------------------------|--------------|----------|---------|----------|---------------|-----------------------|-------|
| CLIENT:   | Souder, Miller & Associates |              | Cl       | ient Sa | ample I  | <b>D:</b> S4  | -1'6"                 |       |
| Project:  | Fighting Okra               |              | (        | Collect | tion Dat | e: 3/5        | 5/2020 2:50:00 PM     |       |
| Lab ID:   | 2003327-015                 | Matrix: SOIL |          | Recei   | ved Dat  | <b>e:</b> 3/7 | 7/2020 8:00:00 AM     |       |
| Analyses  |                             | Result       | RL       | Qual    | Units    | DF            | Date Analyzed         | Batch |
| EPA MET   | HOD 300.0: ANIONS           |              |          |         |          |               | Analyst:              | JMT   |
| Chloride  |                             | ND           | 60       |         | mg/Kg    | 20            | 3/11/2020 10:05:28 PM | 51039 |
| EPA MET   | HOD 8015M/D: DIESEL RANGE   | ORGANICS     |          |         |          |               | Analyst:              | CLP   |
| Diesel Ra | ange Organics (DRO)         | 4300         | 97       |         | mg/Kg    | 10            | 3/13/2020 1:42:24 PM  | 51014 |
| Motor Oi  | I Range Organics (MRO)      | 1300         | 480      |         | mg/Kg    | 10            | 3/13/2020 1:42:24 PM  | 51014 |
| Surr: [   | DNOP                        | 0            | 55.1-146 | S       | %Rec     | 10            | 3/13/2020 1:42:24 PM  | 51014 |
| EPA MET   | HOD 8015D: GASOLINE RANGE   | E            |          |         |          |               | Analyst:              | NSB   |
| Gasoline  | Range Organics (GRO)        | 690          | 240      |         | mg/Kg    | 50            | 3/12/2020 11:10:21 PM | 51002 |
| Surr: E   | 3FB                         | 130          | 66.6-105 | S       | %Rec     | 50            | 3/12/2020 11:10:21 PM | 51002 |
| EPA MET   | HOD 8021B: VOLATILES        |              |          |         |          |               | Analyst:              | RAA   |
| Benzene   |                             | 0.63         | 0.024    |         | mg/Kg    | 1             | 3/12/2020 3:33:50 AM  | 51002 |
| Toluene   |                             | 7.4          | 2.4      |         | mg/Kg    | 50            | 3/12/2020 11:10:21 PM | 51002 |
| Ethylben  | zene                        | 4.3          | 0.049    |         | mg/Kg    | 1             | 3/12/2020 3:33:50 AM  | 51002 |
| Xylenes,  | Total                       | 25           | 4.9      |         | mg/Kg    | 50            | 3/12/2020 11:10:21 PM | 51002 |
| Surr: 4   | 1-Bromofluorobenzene        | 388          | 80-120   | S       | %Rec     | 1             | 3/12/2020 3:33:50 AM  | 51002 |

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

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.

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- В Analyte detected in the associated Method Blank
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- Р Sample pH Not In Range
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# Hall Environmental Analysis Laboratory, Inc.

| Hall Er  | nvironmental Analysis       | Laboratory,  | Inc.     |          |          |               | Date Reported:        |       |
|----------|-----------------------------|--------------|----------|----------|----------|---------------|-----------------------|-------|
| CLIENT:  | Souder, Miller & Associates |              | Cl       | lient Sa | ample II | <b>D:</b> S4  | -2'                   |       |
| Project: | Fighting Okra               |              |          | Collect  | tion Dat | <b>e:</b> 3/5 | 5/2020 2:53:00 PM     |       |
| Lab ID:  | 2003327-016                 | Matrix: SOIL |          | Recei    | ved Dat  | <b>e:</b> 3/7 | /2020 8:00:00 AM      |       |
| Analyses |                             | Result       | RL       | Qual     | Units    | DF            | Date Analyzed         | Batch |
| EPA MET  | HOD 300.0: ANIONS           |              |          |          |          |               | Analyst:              | JMT   |
| Chloride |                             | ND           | 60       |          | mg/Kg    | 20            | 3/11/2020 10:17:49 PM | 51039 |
| EPA MET  | HOD 8015M/D: DIESEL RANGE   | ORGANICS     |          |          |          |               | Analyst               | CLP   |
| Diesel R | ange Organics (DRO)         | 130          | 9.9      |          | mg/Kg    | 1             | 3/13/2020 2:04:29 PM  | 51014 |
| Motor Oi | I Range Organics (MRO)      | 68           | 49       |          | mg/Kg    | 1             | 3/13/2020 2:04:29 PM  | 51014 |
| Surr: [  | DNOP                        | 104          | 55.1-146 |          | %Rec     | 1             | 3/13/2020 2:04:29 PM  | 51014 |
| EPA MET  | HOD 8015D: GASOLINE RANGE   | E            |          |          |          |               | Analyst               | NSB   |
| Gasoline | Range Organics (GRO)        | ND           | 4.9      |          | mg/Kg    | 1             | 3/12/2020 11:33:48 PM | 51002 |
| Surr: E  | 3FB                         | 122          | 66.6-105 | S        | %Rec     | 1             | 3/12/2020 11:33:48 PM | 51002 |
| EPA MET  | HOD 8021B: VOLATILES        |              |          |          |          |               | Analyst:              | NSB   |
| Benzene  |                             | ND           | 0.024    |          | mg/Kg    | 1             | 3/12/2020 11:33:48 PM | 51002 |
| Toluene  |                             | ND           | 0.049    |          | mg/Kg    | 1             | 3/12/2020 11:33:48 PM | 51002 |
| Ethylben | zene                        | ND           | 0.049    |          | mg/Kg    | 1             | 3/12/2020 11:33:48 PM | 51002 |
| Xylenes, | Total                       | 0.14         | 0.098    |          | mg/Kg    | 1             | 3/12/2020 11:33:48 PM | 51002 |
| Surr: 4  | 4-Bromofluorobenzene        | 93.7         | 80-120   |          | %Rec     | 1             | 3/12/2020 11:33:48 PM | 51002 |

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

**Qualifiers:** 

.

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- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
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**Diesel Range Organics (DRO)** 

Motor Oil Range Organics (MRO)

Gasoline Range Organics (GRO)

Surr: 4-Bromofluorobenzene

**EPA METHOD 8021B: VOLATILES** 

**EPA METHOD 8015D: GASOLINE RANGE** 

Surr: DNOP

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

**Analytical Report** Lab Order 2003327

3/12/2020 6:42:53 PM

3/12/2020 6:42:53 PM

3/12/2020 6:42:53 PM

3/12/2020 4:21:13 AM

3/12/2020 11:57:23 PM 51002

3/12/2020 11:57:23 PM 51002

3/12/2020 11:57:23 PM 51002 3/12/2020 11:57:23 PM 51002

3/12/2020 11:57:23 PM 51002

3/12/2020 11:57:23 PM 51002

51014

51014

51014

51002

Analyst: NSB

Analyst: RAA

| Han Environnental Analysis Laboratory, inc | Hall | Environmental | Analysis | Laboratory, | Inc. |
|--|------|---------------|----------|-------------|------|
|--|------|---------------|----------|-------------|------|

| Hall Environmental                                 | l Analysis Laboratory, Iı | nc.          | Date Reported:             |  |          |  |  |  |
|--|---------------------------|--------------|----------------------------|--|----------|--|--|--|
| CLIENT: Souder, Miller &<br>Project: Fighting Okra | Associates                | Clien<br>Col | t Sample II<br>lection Dat | <b>D:</b> S5-6"<br><b>e:</b> 3/5/2020 2:57:00 PM |          |  |  |  |
| Lab ID: 2003327-017                                | Matrix: SOIL              | Re           | ceived Dat                 | e: 3/7/2020 8:00:00 AM                           |          |  |  |  |
| Analyses   | Result                    | RL Q         | ual Units                  | DF Date Analyzed                                 | Batch    |  |  |  |
| EPA METHOD 300.0: ANIO                             | NS                        |              |                            | Anal   | yst: CAS |  |  |  |
| Chloride   | 6800                      | 300          | mg/Kg                      | 100 3/13/2020 3:24:15 A                          | M 51039  |  |  |  |
| EPA METHOD 8015M/D: DI                             | ESEL RANGE ORGANICS       |              |                            | Anal   | yst: BRM |  |  |  |

S

S

mg/Kg

mg/Kg

%Rec

mg/Kg

%Rec

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

10

10

10

50

50

1

50

50

50

50

85

430

230

0.023

2.3

2.3

4.7

80-120

55.1-146

66.6-105

7500

2200

1300

160

1.5

21

6.6

60

103

0

| Refer to the OC Summar | v report and sa | mple login checklis | st for flagged OC data a | nd preservation information. |
|------------------------|-----------------|---------------------|--------------------------|------------------------------|
|                        | J               |                     |                          |                              |

**Qualifiers:** 

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

- в Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 17 of 0

| nan Environmental Analysis Laboratory, ind | Hall | <b>Environmental</b> | Analysis | Laboratory. | Inc. |
|--|------|----------------------|----------|-------------|------|
|--|------|----------------------|----------|-------------|------|

| Hall Environmental Analysis  | Laboratory,  | Inc.     |                            |                                 |                             | Date Reported:                                |       |
|--|--------------|----------|----------------------------|---------------------------------|-----------------------------|---|-------|
| CLIENT: Souder, Miller & Associates<br>Project: Fighting Okra<br>Lab ID: 2003327-018 | Matrix: SOIL | CI       | lient S<br>Collec<br>Recei | ample I<br>tion Dat<br>ived Dat | D: S5<br>ce: 3/5<br>ce: 3/7 | -1'<br>5/2020 3:05:00 PM<br>7/2020 8:00:00 AM |       |
| Analyses   | Result       | RL       | Qual                       | Units                           | DF                          | Date Analyzed                                 | Batch |
| EPA METHOD 300.0: ANIONS   |              |          |                            |                                 |                             | Analyst                                       | CAS   |
| Chloride   | 3000         | 150      |                            | mg/Kg                           | 50                          | 3/13/2020 3:36:36 AM                          | 51039 |
| EPA METHOD 8015M/D: DIESEL RANGE   | ORGANICS     |          |                            |                                 |                             | Analyst                                       | CLP   |
| Diesel Range Organics (DRO)  | 2100         | 99       |                            | mg/Kg                           | 10                          | 3/13/2020 2:26:26 PM                          | 51014 |
| Motor Oil Range Organics (MRO)   | 760          | 490      |                            | mg/Kg                           | 10                          | 3/13/2020 2:26:26 PM                          | 51014 |
| Surr: DNOP   | 0            | 55.1-146 | S                          | %Rec                            | 10                          | 3/13/2020 2:26:26 PM                          | 51014 |
| EPA METHOD 8015D: GASOLINE RANG  | E            |          |                            |                                 |                             | Analyst                                       | NSB   |
| Gasoline Range Organics (GRO)  | 290          | 5.0      |                            | mg/Kg                           | 1                           | 3/13/2020 12:20:54 AM                         | 51002 |
| Surr: BFB  | 1110         | 66.6-105 | S                          | %Rec                            | 1                           | 3/13/2020 12:20:54 AM                         | 51002 |
| EPA METHOD 8021B: VOLATILES  |              |          |                            |                                 |                             | Analyst                                       | NSB   |
| Benzene  | 0.098        | 0.025    |                            | mg/Kg                           | 1                           | 3/13/2020 12:20:54 AM                         | 51002 |
| Toluene  | 2.8          | 0.050    |                            | mg/Kg                           | 1                           | 3/13/2020 12:20:54 AM                         | 51002 |
| Ethylbenzene   | 1.5          | 0.050    |                            | mg/Kg                           | 1                           | 3/13/2020 12:20:54 AM                         | 51002 |
| Xylenes, Total   | 15           | 1.0      |                            | mg/Kg                           | 10                          | 3/13/2020 10:44:57 AM                         | 51002 |
| Surr: 4-Bromofluorobenzene   | 168          | 80-120   | S                          | %Rec                            | 1                           | 3/13/2020 12:20:54 AM                         | 51002 |

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

| Oualifiers: |
|-------------|
|-------------|

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- ND Not Detected at the Reporting Limit
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- Analyte detected in the associated Method Blank В
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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| Hall Environmental Analysis Laboratory, I |
|---|
|---|

| Hall Er   | nvironmental Analysis       | Laboratory,  | Inc.     |          |          |              | Date Reported:        |       |
|-----------|-----------------------------|--------------|----------|----------|----------|--------------|-----------------------|-------|
| CLIENT:   | Souder, Miller & Associates |              | Cl       | lient Sa | ample II | <b>D:</b> S5 | -1'6"                 |       |
| Project:  | Fighting Okra               |              | (        | Collect  | ion Dat  | e: 3/5       | 5/2020 3:10:00 PM     |       |
| Lab ID:   | 2003327-019                 | Matrix: SOIL |          | Recei    | ved Dat  | e: 3/7       | 7/2020 8:00:00 AM     |       |
| Analyses  |                             | Result       | RL       | Qual     | Units    | DF           | Date Analyzed         | Batch |
| EPA MET   | HOD 300.0: ANIONS           |              |          |          |          |              | Analyst               | JMT   |
| Chloride  |                             | 1900         | 60       |          | mg/Kg    | 20           | 3/11/2020 11:19:34 PM | 51039 |
| EPA MET   | HOD 8015M/D: DIESEL RANGE   | ORGANICS     |          |          |          |              | Analyst               | CLP   |
| Diesel Ra | ange Organics (DRO)         | 23           | 9.0      |          | mg/Kg    | 1            | 3/13/2020 3:10:32 PM  | 51014 |
| Motor Oil | I Range Organics (MRO)      | ND           | 45       |          | mg/Kg    | 1            | 3/13/2020 3:10:32 PM  | 51014 |
| Surr: E   | DNOP                        | 106          | 55.1-146 |          | %Rec     | 1            | 3/13/2020 3:10:32 PM  | 51014 |
| EPA MET   | HOD 8015D: GASOLINE RANG    | E            |          |          |          |              | Analyst               | RAA   |
| Gasoline  | Range Organics (GRO)        | ND           | 5.0      |          | mg/Kg    | 1            | 3/12/2020 5:55:39 AM  | 51002 |
| Surr: E   | 3FB                         | 85.4         | 66.6-105 |          | %Rec     | 1            | 3/12/2020 5:55:39 AM  | 51002 |
| EPA MET   | HOD 8021B: VOLATILES        |              |          |          |          |              | Analyst               | RAA   |
| Benzene   |                             | ND           | 0.025    |          | mg/Kg    | 1            | 3/12/2020 5:55:39 AM  | 51002 |
| Toluene   |                             | ND           | 0.050    |          | mg/Kg    | 1            | 3/12/2020 5:55:39 AM  | 51002 |
| Ethylben  | zene                        | ND           | 0.050    |          | mg/Kg    | 1            | 3/12/2020 5:55:39 AM  | 51002 |
| Xylenes,  | Total                       | ND           | 0.099    |          | mg/Kg    | 1            | 3/12/2020 5:55:39 AM  | 51002 |
| Surr: 4   | 1-Bromofluorobenzene        | 89.6         | 80-120   |          | %Rec     | 1            | 3/12/2020 5:55:39 AM  | 51002 |

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

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## Hall Environmental Analysis Laboratory, Inc.

| Hall Er             | nvironmental Analysis                        | Laboratory,  | Inc.     |                     |                     |                  | Date Reported:           |       |
|---------------------|--|--------------|----------|---------------------|---------------------|------------------|--------------------------|-------|
| CLIENT:<br>Project: | Souder, Miller & Associates<br>Fighting Okra |              | Cl       | lient Sa<br>Collect | imple II<br>ion Dat | D: S5-<br>e: 3/5 | -2'<br>5/2020 3:15:00 PM |       |
| Lab ID:             | 2003327-020                                  | Matrix: SOIL |          | Receiv              | ved Dat             | <b>e:</b> 3/7    | /2020 8:00:00 AM         |       |
| Analyses            |  | Result       | RL       | Qual                | Units               | DF               | Date Analyzed            | Batch |
| EPA MET             | HOD 300.0: ANIONS                            |              |          |                     |                     |                  | Analyst                  | JMT   |
| Chloride            |  | 140          | 60       |                     | mg/Kg               | 20               | 3/11/2020 11:31:55 PM    | 51039 |
| EPA MET             | HOD 8015M/D: DIESEL RANGE                    | ORGANICS     |          |                     |                     |                  | Analyst                  | CLP   |
| Diesel R            | ange Organics (DRO)                          | 80           | 8.4      |                     | mg/Kg               | 1                | 3/13/2020 3:32:41 PM     | 51014 |
| Motor Oi            | I Range Organics (MRO)                       | ND           | 42       |                     | mg/Kg               | 1                | 3/13/2020 3:32:41 PM     | 51014 |
| Surr: [             | DNOP   | 113          | 55.1-146 |                     | %Rec                | 1                | 3/13/2020 3:32:41 PM     | 51014 |
| EPA MET             | HOD 8015D: GASOLINE RANG                     | E            |          |                     |                     |                  | Analyst                  | RAA   |
| Gasoline            | Range Organics (GRO)                         | ND           | 4.8      |                     | mg/Kg               | 1                | 3/12/2020 6:19:06 AM     | 51002 |
| Surr: E             | 3FB  | 93.7         | 66.6-105 |                     | %Rec                | 1                | 3/12/2020 6:19:06 AM     | 51002 |
| EPA MET             | HOD 8021B: VOLATILES                         |              |          |                     |                     |                  | Analyst                  | RAA   |
| Benzene             |  | ND           | 0.024    |                     | mg/Kg               | 1                | 3/12/2020 6:19:06 AM     | 51002 |
| Toluene             |  | ND           | 0.048    |                     | mg/Kg               | 1                | 3/12/2020 6:19:06 AM     | 51002 |
| Ethylben            | zene   | ND           | 0.048    |                     | mg/Kg               | 1                | 3/12/2020 6:19:06 AM     | 51002 |
| Xylenes,            | Total  | 0.10         | 0.096    |                     | mg/Kg               | 1                | 3/12/2020 6:19:06 AM     | 51002 |
| Surr: 4             | 1-Bromofluorobenzene                         | 89.3         | 80-120   |                     | %Rec                | 1                | 3/12/2020 6:19:06 AM     | 51002 |

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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

| Hall Er             | nvironmental Analysis                        | Laboratory,  | Inc.     |                    |                     |                 | Date Reported:           |       |
|---------------------|--|--------------|----------|--------------------|---------------------|-----------------|--------------------------|-------|
| CLIENT:<br>Project: | Souder, Miller & Associates<br>Fighting Okra |              | Cl       | ient Sa<br>Collect | ample II<br>ion Dat | D: S6<br>e: 3/5 | -6"<br>5/2020 3:20:00 PM |       |
| Lab ID:             | 2003327-021                                  | Matrix: SOIL |          | Recei              | ved Dat             | <b>e:</b> 3/7   | 7/2020 8:00:00 AM        |       |
| Analyses            |  | Result       | RL       | Qual               | Units               | DF              | Date Analyzed            | Batch |
| ЕРА МЕТ             | HOD 300.0: ANIONS                            |              |          |                    |                     |                 | Analyst:                 | JMT   |
| Chloride            |  | 230          | 60       |                    | mg/Kg               | 20              | 3/11/2020 11:44:16 PM    | 51039 |
| EPA MET             | HOD 8015M/D: DIESEL RANGE                    | ORGANICS     |          |                    |                     |                 | Analyst:                 | CLP   |
| Diesel R            | ange Organics (DRO)                          | 14000        | 480      |                    | mg/Kg               | 50              | 3/13/2020 3:54:39 PM     | 51014 |
| Motor Oi            | I Range Organics (MRO)                       | 4300         | 2400     |                    | mg/Kg               | 50              | 3/13/2020 3:54:39 PM     | 51014 |
| Surr: [             | DNOP   | 0            | 55.1-146 | S                  | %Rec                | 50              | 3/13/2020 3:54:39 PM     | 51014 |
| EPA MET             | HOD 8015D: GASOLINE RANG                     | E            |          |                    |                     |                 | Analyst                  | NSB   |
| Gasoline            | Range Organics (GRO)                         | 3000         | 250      |                    | mg/Kg               | 50              | 3/13/2020 12:44:20 AM    | 51002 |
| Surr: E             | 3FB  | 227          | 66.6-105 | S                  | %Rec                | 50              | 3/13/2020 12:44:20 AM    | 51002 |
| EPA MET             | HOD 8021B: VOLATILES                         |              |          |                    |                     |                 | Analyst                  | RAA   |
| Benzene             |  | 6.1          | 0.12     |                    | mg/Kg               | 5               | 3/12/2020 6:42:38 AM     | 51002 |
| Toluene             |  | 69           | 2.5      |                    | mg/Kg               | 50              | 3/13/2020 12:44:20 AM    | 51002 |
| Ethylben            | zene   | 16           | 0.25     |                    | mg/Kg               | 5               | 3/12/2020 6:42:38 AM     | 51002 |
| Xylenes,            | Total  | 160          | 4.9      |                    | mg/Kg               | 50              | 3/13/2020 12:44:20 AM    | 51002 |
| Surr: 4             | 1-Bromofluorobenzene                         | 152          | 80-120   | S                  | %Rec                | 5               | 3/12/2020 6:42:38 AM     | 51002 |

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

**Qualifiers:** 

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

| Hall Er             | nvironmental Analysis                        | Laboratory,  | Inc.     |                     |                     |                        | Date Reported:           |       |
|---------------------|--|--------------|----------|---------------------|---------------------|------------------------|--------------------------|-------|
| CLIENT:<br>Project: | Souder, Miller & Associates<br>Fighting Okra |              | CI       | lient Sa<br>Collect | ample II<br>ion Dat | <b>D:</b> S6<br>e: 3/5 | -1'<br>5/2020 3:30:00 PM |       |
| Lab ID:             | 2003327-022                                  | Matrix: SOIL |          | Recei               | ved Dat             | <b>e:</b> 3/7          | 7/2020 8:00:00 AM        |       |
| Analyses            |  | Result       | RL       | Qual                | Units               | DF                     | Date Analyzed            | Batch |
| EPA MET             | HOD 300.0: ANIONS                            |              |          |                     |                     |                        | Analyst                  | JMT   |
| Chloride            |  | 99           | 60       |                     | mg/Kg               | 20                     | 3/11/2020 11:56:37 PM    | 51039 |
| EPA MET             | HOD 8015M/D: DIESEL RANGE                    | ORGANICS     |          |                     |                     |                        | Analyst                  | CLP   |
| Diesel Ra           | ange Organics (DRO)                          | 4700         | 88       |                     | mg/Kg               | 10                     | 3/13/2020 4:38:39 PM     | 51014 |
| Motor Oil           | Range Organics (MRO)                         | 1400         | 440      |                     | mg/Kg               | 10                     | 3/13/2020 4:38:39 PM     | 51014 |
| Surr: D             | DNOP   | 0            | 55.1-146 | S                   | %Rec                | 10                     | 3/13/2020 4:38:39 PM     | 51014 |
| EPA MET             | HOD 8015D: GASOLINE RANGE                    | E            |          |                     |                     |                        | Analyst                  | NSB   |
| Gasoline            | Range Organics (GRO)                         | 810          | 95       |                     | mg/Kg               | 20                     | 3/13/2020 1:07:50 AM     | 51002 |
| Surr: E             | 3FB  | 232          | 66.6-105 | S                   | %Rec                | 20                     | 3/13/2020 1:07:50 AM     | 51002 |
| EPA MET             | HOD 8021B: VOLATILES                         |              |          |                     |                     |                        | Analyst                  | RAA   |
| Benzene             |  | 0.52         | 0.024    |                     | mg/Kg               | 1                      | 3/12/2020 7:06:11 AM     | 51002 |
| Toluene             |  | 9.8          | 0.95     |                     | mg/Kg               | 20                     | 3/13/2020 1:07:50 AM     | 51002 |
| Ethylben            | zene   | 3.5          | 0.048    |                     | mg/Kg               | 1                      | 3/12/2020 7:06:11 AM     | 51002 |
| Xylenes,            | Total  | 38           | 1.9      |                     | mg/Kg               | 20                     | 3/13/2020 1:07:50 AM     | 51002 |
| Surr: 4             | I-Bromofluorobenzene                         | 256          | 80-120   | S                   | %Rec                | 1                      | 3/12/2020 7:06:11 AM     | 51002 |

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

**Qualifiers:** 

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

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

| Hall Er  | nvironmental Analysis       | Laboratory,  | Inc.     |          |         |               | Date Reported:        |       |
|----------|-----------------------------|--------------|----------|----------|---------|---------------|-----------------------|-------|
| CLIENT:  | Souder, Miller & Associates |              | Cl       | lient Sa | ample I | <b>D:</b> S6  | -1'6"                 |       |
| Project: | Fighting Okra               |              | (        | Collect  | ion Dat | <b>e:</b> 3/5 | 5/2020 3:32:00 PM     |       |
| Lab ID:  | 2003327-023                 | Matrix: SOIL |          | Recei    | ved Dat | <b>e:</b> 3/7 | //2020 8:00:00 AM     |       |
| Analyses |                             | Result       | RL       | Qual     | Units   | DF            | Date Analyzed         | Batch |
| EPA MET  | HOD 300.0: ANIONS           |              |          |          |         |               | Analyst:              | CAS   |
| Chloride |                             | ND           | 60       |          | mg/Kg   | 20            | 3/12/2020 12:35:14 PM | 51058 |
| EPA MET  | HOD 8015M/D: DIESEL RANGE   | ORGANICS     |          |          |         |               | Analyst:              | CLP   |
| Diesel R | ange Organics (DRO)         | 130          | 9.7      |          | mg/Kg   | 1             | 3/13/2020 5:00:44 PM  | 51014 |
| Motor Oi | I Range Organics (MRO)      | 66           | 48       |          | mg/Kg   | 1             | 3/13/2020 5:00:44 PM  | 51014 |
| Surr: [  | DNOP                        | 108          | 55.1-146 |          | %Rec    | 1             | 3/13/2020 5:00:44 PM  | 51014 |
| EPA MET  | HOD 8015D: GASOLINE RANG    | E            |          |          |         |               | Analyst:              | NSB   |
| Gasoline | Range Organics (GRO)        | 14           | 5.0      |          | mg/Kg   | 1             | 3/13/2020 11:08:32 AM | 51002 |
| Surr: E  | 3FB                         | 155          | 66.6-105 | S        | %Rec    | 1             | 3/13/2020 11:08:32 AM | 51002 |
| EPA MET  | HOD 8021B: VOLATILES        |              |          |          |         |               | Analyst:              | NSB   |
| Benzene  |                             | ND           | 0.025    |          | mg/Kg   | 1             | 3/13/2020 11:08:32 AM | 51002 |
| Toluene  |                             | 0.074        | 0.050    |          | mg/Kg   | 1             | 3/13/2020 11:08:32 AM | 51002 |
| Ethylben | zene                        | 0.061        | 0.050    |          | mg/Kg   | 1             | 3/13/2020 11:08:32 AM | 51002 |
| Xylenes, | Total                       | 0.52         | 0.10     |          | mg/Kg   | 1             | 3/13/2020 11:08:32 AM | 51002 |
| Surr: 4  | 1-Bromofluorobenzene        | 98.3         | 80-120   |          | %Rec    | 1             | 3/13/2020 11:08:32 AM | 51002 |

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

**Qualifiers:** 

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- \* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
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- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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| Hall Environmental Analysis Laboratory, I |
|---|
|---|

| Hall Environmental Analysis Laboratory, Inc. Date Reported: |  |              |          |                     |                     |                 |                          |       |
|---|--|--------------|----------|---------------------|---------------------|-----------------|--------------------------|-------|
| CLIENT:<br>Project:   | Souder, Miller & Associates<br>Fighting Okra |              | Cl       | lient Sa<br>Collect | imple II<br>ion Dat | D: S6<br>e: 3/5 | -2'<br>5/2020 3:35:00 PM |       |
| Lab ID:   | 2003327-024                                  | Matrix: SOIL |          | Receiv              | ved Dat             | <b>e:</b> 3/7   | //2020 8:00:00 AM        |       |
| Analyses  |  | Result       | RL       | Qual                | Units               | DF              | Date Analyzed            | Batch |
| EPA MET   | HOD 300.0: ANIONS                            |              |          |                     |                     |                 | Analyst:                 | CAS   |
| Chloride  |  | ND           | 60       |                     | mg/Kg               | 20              | 3/12/2020 12:47:35 PM    | 51058 |
| EPA MET   | HOD 8015M/D: DIESEL RANGE                    | ORGANICS     |          |                     |                     |                 | Analyst:                 | BRM   |
| Diesel R  | ange Organics (DRO)                          | 18           | 9.0      |                     | mg/Kg               | 1               | 3/12/2020 9:17:17 PM     | 51014 |
| Motor Oi  | I Range Organics (MRO)                       | ND           | 45       |                     | mg/Kg               | 1               | 3/12/2020 9:17:17 PM     | 51014 |
| Surr: [   | DNOP   | 97.7         | 55.1-146 |                     | %Rec                | 1               | 3/12/2020 9:17:17 PM     | 51014 |
| EPA MET   | HOD 8015D: GASOLINE RANG                     | E            |          |                     |                     |                 | Analyst:                 | NSB   |
| Gasoline  | Range Organics (GRO)                         | ND           | 4.9      |                     | mg/Kg               | 1               | 3/13/2020 11:31:59 AM    | 51002 |
| Surr: E   | 3FB  | 91.7         | 66.6-105 |                     | %Rec                | 1               | 3/13/2020 11:31:59 AM    | 51002 |
| EPA MET   | HOD 8021B: VOLATILES                         |              |          |                     |                     |                 | Analyst:                 | NSB   |
| Benzene   |  | ND           | 0.025    |                     | mg/Kg               | 1               | 3/13/2020 11:31:59 AM    | 51002 |
| Toluene   |  | ND           | 0.049    |                     | mg/Kg               | 1               | 3/13/2020 11:31:59 AM    | 51002 |
| Ethylben  | zene   | ND           | 0.049    |                     | mg/Kg               | 1               | 3/13/2020 11:31:59 AM    | 51002 |
| Xylenes,  | Total  | ND           | 0.098    |                     | mg/Kg               | 1               | 3/13/2020 11:31:59 AM    | 51002 |
| Surr: 4   | 1-Bromofluorobenzene                         | 94.4         | 80-120   |                     | %Rec                | 1               | 3/13/2020 11:31:59 AM    | 51002 |

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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

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April 23, 2020

ASHLEY MAXWELL SOUDER MILLER AND ASSOCIATES 201 S. HALAGUENO CARLSBAD, NM 88220

RE: FIGHTING OKRA 18 CTB

Enclosed are the results of analyses for samples received by the laboratory on 04/22/20 15:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

| Method EPA 552.2 | Haloacetic Acids (HAA-5)     |
|------------------|------------------------------|
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3)  |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celez D. Keine

Celey D. Keene Lab Director/Quality Manager



SOUDER MILLER AND ASSOCIATES ASHLEY MAXWELL 201 S. HALAGUENO CARLSBAD NM, 88220 Fax To: NONE

| Received:         | 04/22/2020           | Sampling Date:      | 04/21/2020     |
|-------------------|----------------------|---------------------|----------------|
| Reported:         | 04/23/2020           | Sampling Type:      | Soil           |
| Project Name:     | FIGHTING OKRA 18 CTB | Sampling Condition: | Cool & Intact  |
| Project Number:   | NOT GIVEN            | Sample Received By: | Tamara Oldaker |
| Project Location: | DEVON ENERGY         |                     |                |

#### Sample ID: CS 1 - 3' (H001165-01)

| BTEX 8021B                           | mg/    | kg              | Analyze    | d By: MS     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 04/22/2020 | ND           | 1.95 | 97.4       | 2.00          | 6.93 |           |
| Toluene*                             | <0.050 | 0.050           | 04/22/2020 | ND           | 1.99 | 99.5       | 2.00          | 6.68 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 04/22/2020 | ND           | 2.07 | 103        | 2.00          | 6.82 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 04/22/2020 | ND           | 6.07 | 101        | 6.00          | 6.86 |           |
| Total BTEX                           | <0.300 | 0.300           | 04/22/2020 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 101 9  | 73.3-12         | 9          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg/    | kg              | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 32.0   | 16.0            | 04/23/2020 | ND           | 416  | 104        | 400           | 3.77 |           |
| TPH 8015M                            | mg/    | kg              | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 04/22/2020 | ND           | 209  | 104        | 200           | 2.13 |           |
| DRO >C10-C28*                        | 35.4   | 10.0            | 04/22/2020 | ND           | 211  | 105        | 200           | 2.73 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 04/22/2020 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 90.2 9 | % 44.3-14       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 94.5 9 | 42.2-15         | 6          |              |      |            |               |      |           |

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



SOUDER MILLER AND ASSOCIATES ASHLEY MAXWELL 201 S. HALAGUENO CARLSBAD NM, 88220 Fax To: NONE

| Received:         | 04/22/2020           | Sampling Date:      | 04/21/2020     |
|-------------------|----------------------|---------------------|----------------|
| Reported:         | 04/23/2020           | Sampling Type:      | Soil           |
| Project Name:     | FIGHTING OKRA 18 CTB | Sampling Condition: | Cool & Intact  |
| Project Number:   | NOT GIVEN            | Sample Received By: | Tamara Oldaker |
| Project Location: | DEVON ENERGY         |                     |                |

### Sample ID: CS 2 - 3' (H001165-02)

| BTEX 8021B                           | mg/    | kg              | Analyze    | d By: MS     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 04/22/2020 | ND           | 1.95 | 97.4       | 2.00          | 6.93 |           |
| Toluene*                             | <0.050 | 0.050           | 04/22/2020 | ND           | 1.99 | 99.5       | 2.00          | 6.68 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 04/22/2020 | ND           | 2.07 | 103        | 2.00          | 6.82 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 04/22/2020 | ND           | 6.07 | 101        | 6.00          | 6.86 |           |
| Total BTEX                           | <0.300 | 0.300           | 04/22/2020 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 101 %  | 6 73.3-12       | 9          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/    | kg              | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | <16.0  | 16.0            | 04/23/2020 | ND           | 416  | 104        | 400           | 3.77 |           |
| TPH 8015M                            | mg/    | kg              | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 04/22/2020 | ND           | 209  | 104        | 200           | 2.13 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 04/22/2020 | ND           | 211  | 105        | 200           | 2.73 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 04/22/2020 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 91.6 9 | % 44.3-14       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 93.9 9 | 42.2-15         | 6          |              |      |            |               |      |           |

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



SOUDER MILLER AND ASSOCIATES ASHLEY MAXWELL 201 S. HALAGUENO CARLSBAD NM, 88220 Fax To: NONE

| Received:         | 04/22/2020           | Sampling Date:      | 04/21/2020     |
|-------------------|----------------------|---------------------|----------------|
| Reported:         | 04/23/2020           | Sampling Type:      | Soil           |
| Project Name:     | FIGHTING OKRA 18 CTB | Sampling Condition: | Cool & Intact  |
| Project Number:   | NOT GIVEN            | Sample Received By: | Tamara Oldaker |
| Project Location: | DEVON ENERGY         |                     |                |

#### Sample ID: CS 3 - 3' (H001165-03)

| BTEX 8021B                           | mg/    | kg              | Analyze    | d By: MS     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 04/22/2020 | ND           | 1.95 | 97.4       | 2.00          | 6.93 |           |
| Toluene*                             | <0.050 | 0.050           | 04/22/2020 | ND           | 1.99 | 99.5       | 2.00          | 6.68 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 04/22/2020 | ND           | 2.07 | 103        | 2.00          | 6.82 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 04/22/2020 | ND           | 6.07 | 101        | 6.00          | 6.86 |           |
| Total BTEX                           | <0.300 | 0.300           | 04/22/2020 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 102 %  | 6 73.3-12       | 9          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/    | kg              | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | <16.0  | 16.0            | 04/23/2020 | ND           | 416  | 104        | 400           | 3.77 |           |
| TPH 8015M                            | mg/    | kg              | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 04/22/2020 | ND           | 209  | 104        | 200           | 2.13 |           |
| DRO >C10-C28*                        | 10.3   | 10.0            | 04/22/2020 | ND           | 211  | 105        | 200           | 2.73 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 04/22/2020 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 91.6%  | 6 44.3-14       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 94.0 % | 42.2-15         | 6          |              |      |            |               |      |           |

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#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



SOUDER MILLER AND ASSOCIATES ASHLEY MAXWELL 201 S. HALAGUENO CARLSBAD NM, 88220 Fax To: NONE

| Received:         | 04/22/2020           | Sampling Date:      | 04/21/2020     |
|-------------------|----------------------|---------------------|----------------|
| Reported:         | 04/23/2020           | Sampling Type:      | Soil           |
| Project Name:     | FIGHTING OKRA 18 CTB | Sampling Condition: | Cool & Intact  |
| Project Number:   | NOT GIVEN            | Sample Received By: | Tamara Oldaker |
| Project Location: | DEVON ENERGY         |                     |                |

#### Sample ID: CS 4 - 3' (H001165-04)

| BTEX 8021B                           | mg/    | kg              | Analyze    | d By: MS     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 04/22/2020 | ND           | 1.95 | 97.4       | 2.00          | 6.93 |           |
| Toluene*                             | <0.050 | 0.050           | 04/22/2020 | ND           | 1.99 | 99.5       | 2.00          | 6.68 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 04/22/2020 | ND           | 2.07 | 103        | 2.00          | 6.82 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 04/22/2020 | ND           | 6.07 | 101        | 6.00          | 6.86 |           |
| Total BTEX                           | <0.300 | 0.300           | 04/22/2020 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 101 9  | 73.3-12         | 9          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/    | kg              | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 48.0   | 16.0            | 04/23/2020 | ND           | 416  | 104        | 400           | 3.77 |           |
| TPH 8015M                            | mg/    | kg              | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 04/22/2020 | ND           | 209  | 104        | 200           | 2.13 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 04/22/2020 | ND           | 211  | 105        | 200           | 2.73 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 04/22/2020 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 101 9  | % 44.3-14       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 105 9  | 42.2-15         | 6          |              |      |            |               |      |           |

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Celey D. Keene, Lab Director/Quality Manager



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| Received:         | 04/22/2020           | Sampling Date:      | 04/21/2020     |
|-------------------|----------------------|---------------------|----------------|
| Reported:         | 04/23/2020           | Sampling Type:      | Soil           |
| Project Name:     | FIGHTING OKRA 18 CTB | Sampling Condition: | Cool & Intact  |
| Project Number:   | NOT GIVEN            | Sample Received By: | Tamara Oldaker |
| Project Location: | DEVON ENERGY         |                     |                |

#### Sample ID: CS 5 - 0-5' (H001165-05)

| BTEX 8021B                           | mg/    | kg              | Analyze    | d By: MS     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 04/22/2020 | ND           | 1.95 | 97.4       | 2.00          | 6.93 |           |
| Toluene*                             | <0.050 | 0.050           | 04/22/2020 | ND           | 1.99 | 99.5       | 2.00          | 6.68 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 04/22/2020 | ND           | 2.07 | 103        | 2.00          | 6.82 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 04/22/2020 | ND           | 6.07 | 101        | 6.00          | 6.86 |           |
| Total BTEX                           | <0.300 | 0.300           | 04/22/2020 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 105 %  | 6 73.3-12       | 9          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/    | kg              | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 3240   | 16.0            | 04/23/2020 | ND           | 416  | 104        | 400           | 3.77 |           |
| TPH 8015M                            | mg/    | kg              | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 04/22/2020 | ND           | 209  | 104        | 200           | 2.13 |           |
| DRO >C10-C28*                        | 389    | 10.0            | 04/22/2020 | ND           | 211  | 105        | 200           | 2.73 |           |
| EXT DRO >C28-C36                     | 32.9   | 10.0            | 04/22/2020 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 85.8 9 | % 44.3-14       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 88.1 9 | 42.2-15         | 6          |              |      |            |               |      |           |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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| Received:         | 04/22/2020           | Sampling Date:      | 04/20/2020     |
|-------------------|----------------------|---------------------|----------------|
| Reported:         | 04/23/2020           | Sampling Type:      | Soil           |
| Project Name:     | FIGHTING OKRA 18 CTB | Sampling Condition: | Cool & Intact  |
| Project Number:   | NOT GIVEN            | Sample Received By: | Tamara Oldaker |
| Project Location: | DEVON ENERGY         |                     |                |

#### Sample ID: SW 1 (H001165-06)

| BTEX 8021B                           | mg/    | ′kg             | Analyze         | d By: MS     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 04/22/2020      | ND           | 1.95 | 97.4       | 2.00          | 6.93 |           |
| Toluene*                             | <0.050 | 0.050           | 04/22/2020      | ND           | 1.99 | 99.5       | 2.00          | 6.68 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 04/22/2020      | ND           | 2.07 | 103        | 2.00          | 6.82 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 04/22/2020      | ND           | 6.07 | 101        | 6.00          | 6.86 |           |
| Total BTEX                           | <0.300 | 0.300           | 04/22/2020      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 102 9  | % 73.3-12       | 9               |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/kg  |                 | Analyzed By: AC |              |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 288    | 16.0            | 04/23/2020      | ND           | 416  | 104        | 400           | 3.77 |           |
| TPH 8015M                            | mg/    | ′kg             | Analyze         | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 04/22/2020      | ND           | 209  | 104        | 200           | 2.13 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 04/22/2020      | ND           | 211  | 105        | 200           | 2.73 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 04/22/2020      | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 79.4   | % 44.3-14       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 84.2   | % 42.2-15       | 6               |              |      |            |               |      |           |

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Celey D. Keene, Lab Director/Quality Manager



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| Received:         | 04/22/2020           | Sampling Date:      | 04/20/2020     |
|-------------------|----------------------|---------------------|----------------|
| Reported:         | 04/23/2020           | Sampling Type:      | Soil           |
| Project Name:     | FIGHTING OKRA 18 CTB | Sampling Condition: | Cool & Intact  |
| Project Number:   | NOT GIVEN            | Sample Received By: | Tamara Oldaker |
| Project Location: | DEVON ENERGY         |                     |                |

#### Sample ID: SW 2 (H001165-07)

| BTEX 8021B                           | mg/    | kg              | Analyze         | d By: MS     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 04/22/2020      | ND           | 1.95 | 97.4       | 2.00          | 6.93 |           |
| Toluene*                             | 0.068  | 0.050           | 04/22/2020      | ND           | 1.99 | 99.5       | 2.00          | 6.68 |           |
| Ethylbenzene*                        | 0.080  | 0.050           | 04/22/2020      | ND           | 2.07 | 103        | 2.00          | 6.82 |           |
| Total Xylenes*                       | 0.312  | 0.150           | 04/22/2020      | ND           | 6.07 | 101        | 6.00          | 6.86 |           |
| Total BTEX                           | 0.459  | 0.300           | 04/22/2020      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 102 %  | 6 73.3-12       | 9               |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/kg  |                 | Analyzed By: AC |              |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 352    | 16.0            | 04/23/2020      | ND           | 416  | 104        | 400           | 3.77 |           |
| TPH 8015M                            | mg/    | kg              | Analyze         | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 04/22/2020      | ND           | 209  | 104        | 200           | 2.13 |           |
| DRO >C10-C28*                        | 368    | 10.0            | 04/22/2020      | ND           | 211  | 105        | 200           | 2.73 |           |
| EXT DRO >C28-C36                     | 80.9   | 10.0            | 04/22/2020      | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 82.3 9 | % 44.3-14       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 86.7 9 | 42.2-15         | 6               |              |      |            |               |      |           |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



SOUDER MILLER AND ASSOCIATES ASHLEY MAXWELL 201 S. HALAGUENO CARLSBAD NM, 88220 Fax To: NONE

| Received:         | 04/22/2020           | Sampling Date:      | 04/20/2020     |
|-------------------|----------------------|---------------------|----------------|
| Reported:         | 04/23/2020           | Sampling Type:      | Soil           |
| Project Name:     | FIGHTING OKRA 18 CTB | Sampling Condition: | Cool & Intact  |
| Project Number:   | NOT GIVEN            | Sample Received By: | Tamara Oldaker |
| Project Location: | DEVON ENERGY         |                     |                |

#### Sample ID: SW 3 (H001165-08)

| BTEX 8021B                           | mg/    | ′kg             | Analyze    | d By: MS     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 04/22/2020 | ND           | 1.95 | 97.4       | 2.00          | 6.93 |           |
| Toluene*                             | <0.050 | 0.050           | 04/22/2020 | ND           | 1.99 | 99.5       | 2.00          | 6.68 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 04/22/2020 | ND           | 2.07 | 103        | 2.00          | 6.82 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 04/22/2020 | ND           | 6.07 | 101        | 6.00          | 6.86 |           |
| Total BTEX                           | <0.300 | 0.300           | 04/22/2020 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 102 9  | % 73.3-12       | 9          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/    | ′kg             | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 2400   | 16.0            | 04/23/2020 | ND           | 416  | 104        | 400           | 3.77 |           |
| TPH 8015M                            | mg/    | ′kg             | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 04/22/2020 | ND           | 209  | 104        | 200           | 2.13 |           |
| DRO >C10-C28*                        | 63.7   | 10.0            | 04/22/2020 | ND           | 211  | 105        | 200           | 2.73 |           |
| EXT DRO >C28-C36                     | 14.4   | 10.0            | 04/22/2020 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 83.1   | % 44.3-14       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 86.2   | % 42.2-15       | 6          |              |      |            |               |      |           |

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Celey D. Keene, Lab Director/Quality Manager



SOUDER MILLER AND ASSOCIATES ASHLEY MAXWELL 201 S. HALAGUENO CARLSBAD NM, 88220 Fax To: NONE

| Received:         | 04/22/2020           | Sampling Date:      | 04/21/2020     |
|-------------------|----------------------|---------------------|----------------|
| Reported:         | 04/23/2020           | Sampling Type:      | Soil           |
| Project Name:     | FIGHTING OKRA 18 CTB | Sampling Condition: | Cool & Intact  |
| Project Number:   | NOT GIVEN            | Sample Received By: | Tamara Oldaker |
| Project Location: | DEVON ENERGY         |                     |                |

#### Sample ID: SW 4 (H001165-09)

| BTEX 8021B                           | mg/    | ′kg             | Analyze    | d By: MS     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 04/22/2020 | ND           | 1.95 | 97.4       | 2.00          | 6.93 |           |
| Toluene*                             | <0.050 | 0.050           | 04/22/2020 | ND           | 1.99 | 99.5       | 2.00          | 6.68 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 04/22/2020 | ND           | 2.07 | 103        | 2.00          | 6.82 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 04/22/2020 | ND           | 6.07 | 101        | 6.00          | 6.86 |           |
| Total BTEX                           | <0.300 | 0.300           | 04/22/2020 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 102 9  | % 73.3-12       | 9          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/    | ′kg             | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 64.0   | 16.0            | 04/23/2020 | ND           | 416  | 104        | 400           | 3.77 |           |
| TPH 8015M                            | mg/    | ′kg             | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 04/22/2020 | ND           | 209  | 104        | 200           | 2.13 |           |
| DRO >C10-C28*                        | 76.2   | 10.0            | 04/22/2020 | ND           | 211  | 105        | 200           | 2.73 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 04/22/2020 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 90.7   | % 44.3-14       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 100 \$ | % 42.2-15       | 6          |              |      |            |               |      |           |

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| Received:         | 04/22/2020           | Sampling Date:      | 04/20/2020     |
|-------------------|----------------------|---------------------|----------------|
| Reported:         | 04/23/2020           | Sampling Type:      | Soil           |
| Project Name:     | FIGHTING OKRA 18 CTB | Sampling Condition: | Cool & Intact  |
| Project Number:   | NOT GIVEN            | Sample Received By: | Tamara Oldaker |
| Project Location: | DEVON ENERGY         |                     |                |

#### Sample ID: S 7 - SURFACE (H001165-10)

| BTEX 8021B                           | mg/    | kg              | Analyze    | d By: MS     |      |            |               |      | S-04      |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | 0.063  | 0.050           | 04/22/2020 | ND           | 1.95 | 97.4       | 2.00          | 6.93 |           |
| Toluene*                             | 1.45   | 0.050           | 04/22/2020 | ND           | 1.99 | 99.5       | 2.00          | 6.68 |           |
| Ethylbenzene*                        | 1.15   | 0.050           | 04/22/2020 | ND           | 2.07 | 103        | 2.00          | 6.82 |           |
| Total Xylenes*                       | 8.02   | 0.150           | 04/22/2020 | ND           | 6.07 | 101        | 6.00          | 6.86 |           |
| Total BTEX                           | 10.7   | 0.300           | 04/22/2020 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 216 %  | 6 73.3-12       | 9          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg/    | kg              | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 23200  | 16.0            | 04/23/2020 | ND           | 416  | 104        | 400           | 3.77 |           |
| TPH 8015M                            | mg/    | kg              | Analyze    | d By: MS     |      |            |               |      | S-06      |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | 328    | 100             | 04/23/2020 | ND           | 209  | 104        | 200           | 2.13 |           |
| DRO >C10-C28*                        | 13300  | 100             | 04/23/2020 | ND           | 211  | 105        | 200           | 2.73 |           |
| EXT DRO >C28-C36                     | 2770   | 100             | 04/23/2020 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 126 %  | 6 44.3-14       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 592 %  | 6 42.2-15       | 6          |              |      |            |               |      |           |

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Celey D. Keene, Lab Director/Quality Manager



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| Received:         | 04/22/2020           | Sampling Date:      | 04/20/2020     |
|-------------------|----------------------|---------------------|----------------|
| Reported:         | 04/23/2020           | Sampling Type:      | Soil           |
| Project Name:     | FIGHTING OKRA 18 CTB | Sampling Condition: | Cool & Intact  |
| Project Number:   | NOT GIVEN            | Sample Received By: | Tamara Oldaker |
| Project Location: | DEVON ENERGY         |                     |                |

#### Sample ID: S 7 - 1' (H001165-11)

| BTEX 8021B                           | mg/kg  |                 | Analyzed By: MS |              |      |            |               | S-04 |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 04/22/2020      | ND           | 1.95 | 97.4       | 2.00          | 6.93 |           |
| Toluene*                             | 0.262  | 0.050           | 04/22/2020      | ND           | 1.99 | 99.5       | 2.00          | 6.68 |           |
| Ethylbenzene*                        | 0.368  | 0.050           | 04/22/2020      | ND           | 2.07 | 103        | 2.00          | 6.82 |           |
| Total Xylenes*                       | 2.13   | 0.150           | 04/22/2020      | ND           | 6.07 | 101        | 6.00          | 6.86 |           |
| Total BTEX                           | 2.76   | 0.300           | 04/22/2020      | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 151 9  | 73.3-12         | 9               |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/kg  |                 | Analyzed By: AC |              |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 6160   | 16.0            | 04/23/2020      | ND           | 432  | 108        | 400           | 3.64 | QM-07     |
| TPH 8015M                            | mg/kg  |                 | Analyzed By: MS |              |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | 34.8   | 10.0            | 04/22/2020      | ND           | 209  | 104        | 200           | 2.13 |           |
| DRO >C10-C28*                        | 683    | 10.0            | 04/22/2020      | ND           | 211  | 105        | 200           | 2.73 |           |
| EXT DRO >C28-C36                     | 101    | 10.0            | 04/22/2020      | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 99.4   | % 44.3-14       | 4               |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 107 9  | 42.2-15         | 6               |              |      |            |               |      |           |

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#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager


SOUDER MILLER AND ASSOCIATES ASHLEY MAXWELL 201 S. HALAGUENO CARLSBAD NM, 88220 Fax To: NONE

| Received:         | 04/22/2020           | Sampling Date:      | 04/20/2020     |
|-------------------|----------------------|---------------------|----------------|
| Reported:         | 04/23/2020           | Sampling Type:      | Soil           |
| Project Name:     | FIGHTING OKRA 18 CTB | Sampling Condition: | Cool & Intact  |
| Project Number:   | NOT GIVEN            | Sample Received By: | Tamara Oldaker |
| Project Location: | DEVON ENERGY         |                     |                |

### Sample ID: S 7 - 1.5' (H001165-12)

| BTEX 8021B                           | mg/     | kg              | Analyze    | d By: MS     |      |            |               |      |           |
|--------------------------------------|---------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050  | 0.050           | 04/22/2020 | ND           | 1.95 | 97.4       | 2.00          | 6.93 |           |
| Toluene*                             | <0.050  | 0.050           | 04/22/2020 | ND           | 1.99 | 99.5       | 2.00          | 6.68 |           |
| Ethylbenzene*                        | <0.050  | 0.050           | 04/22/2020 | ND           | 2.07 | 103        | 2.00          | 6.82 |           |
| Total Xylenes*                       | <0.150  | 0.150           | 04/22/2020 | ND           | 6.07 | 101        | 6.00          | 6.86 |           |
| Total BTEX                           | <0.300  | 0.300           | 04/22/2020 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 102 %   | 73.3-12         | 9          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/     | kg              | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 704     | 16.0            | 04/23/2020 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg/     | kg              | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result  | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0   | 10.0            | 04/22/2020 | ND           | 209  | 104        | 200           | 2.13 |           |
| DRO >C10-C28*                        | <10.0   | 10.0            | 04/22/2020 | ND           | 211  | 105        | 200           | 2.73 |           |
| EXT DRO >C28-C36                     | <10.0   | 10.0            | 04/22/2020 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 94.1 \$ | % 44.3-14       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 100 %   | 42.2-15         | 6          |              |      |            |               |      |           |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



SOUDER MILLER AND ASSOCIATES ASHLEY MAXWELL 201 S. HALAGUENO CARLSBAD NM, 88220 Fax To: NONE

| Received:         | 04/22/2020           | Sampling Date:      | 04/20/2020     |
|-------------------|----------------------|---------------------|----------------|
| Reported:         | 04/23/2020           | Sampling Type:      | Soil           |
| Project Name:     | FIGHTING OKRA 18 CTB | Sampling Condition: | Cool & Intact  |
| Project Number:   | NOT GIVEN            | Sample Received By: | Tamara Oldaker |
| Project Location: | DEVON ENERGY         |                     |                |

### Sample ID: S 7 - 2' (H001165-13)

| BTEX 8021B                           | mg/    | kg              | Analyze    | d By: MS     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 04/22/2020 | ND           | 1.95 | 97.4       | 2.00          | 6.93 |           |
| Toluene*                             | <0.050 | 0.050           | 04/22/2020 | ND           | 1.99 | 99.5       | 2.00          | 6.68 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 04/22/2020 | ND           | 2.07 | 103        | 2.00          | 6.82 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 04/22/2020 | ND           | 6.07 | 101        | 6.00          | 6.86 |           |
| Total BTEX                           | <0.300 | 0.300           | 04/22/2020 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 101 9  | % 73.3-12       | 9          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/    | 'kg             | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 128    | 16.0            | 04/23/2020 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg/    | kg              | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 04/22/2020 | ND           | 209  | 104        | 200           | 2.13 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 04/22/2020 | ND           | 211  | 105        | 200           | 2.73 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 04/22/2020 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 97.0   | % 44.3-14       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 101 9  | 42.2-15         | 6          |              |      |            |               |      |           |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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| Received:         | 04/22/2020           | Sampling Date:      | 04/20/2020     |
|-------------------|----------------------|---------------------|----------------|
| Reported:         | 04/23/2020           | Sampling Type:      | Soil           |
| Project Name:     | FIGHTING OKRA 18 CTB | Sampling Condition: | Cool & Intact  |
| Project Number:   | NOT GIVEN            | Sample Received By: | Tamara Oldaker |
| Project Location: | DEVON ENERGY         |                     |                |

### Sample ID: S 8 - SURFACE (H001165-14)

| BTEX 8021B                           | mg/    | kg              | Analyze    | d By: MS     |      |            |               |      | S-04      |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | 0.226  | 0.200           | 04/22/2020 | ND           | 1.95 | 97.4       | 2.00          | 6.93 |           |
| Toluene*                             | 10.4   | 0.200           | 04/22/2020 | ND           | 1.99 | 99.5       | 2.00          | 6.68 |           |
| Ethylbenzene*                        | 7.94   | 0.200           | 04/22/2020 | ND           | 2.07 | 103        | 2.00          | 6.82 |           |
| Total Xylenes*                       | 56.4   | 0.600           | 04/22/2020 | ND           | 6.07 | 101        | 6.00          | 6.86 |           |
| Total BTEX                           | 75.0   | 1.20            | 04/22/2020 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 268 %  | 73.3-12         | 9          |              |      |            |               |      |           |
| Chloride, SM4500CI-B                 | mg/    | kg              | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 208    | 16.0            | 04/23/2020 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg/    | kg              | Analyze    | d By: MS     |      |            |               |      | S-06      |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | 2550   | 100             | 04/23/2020 | ND           | 209  | 104        | 200           | 2.13 |           |
| DRO >C10-C28*                        | 14200  | 100             | 04/23/2020 | ND           | 211  | 105        | 200           | 2.73 |           |
| EXT DRO >C28-C36                     | 2140   | 100             | 04/23/2020 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 172 %  | <i>44.3-14</i>  | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 473 %  | 42.2-15         | 6          |              |      |            |               |      |           |

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Celey D. Keene, Lab Director/Quality Manager



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| Received:         | 04/22/2020           | Sampling Date:      | 04/20/2020     |
|-------------------|----------------------|---------------------|----------------|
| Reported:         | 04/23/2020           | Sampling Type:      | Soil           |
| Project Name:     | FIGHTING OKRA 18 CTB | Sampling Condition: | Cool & Intact  |
| Project Number:   | NOT GIVEN            | Sample Received By: | Tamara Oldaker |
| Project Location: | DEVON ENERGY         |                     |                |

### Sample ID: S 8 -1' (H001165-15)

| BTEX 8021B                           | mg/    | kg              | Analyze    | d By: MS     |      |            |               |      | S-04      |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 04/22/2020 | ND           | 1.95 | 97.4       | 2.00          | 6.93 |           |
| Toluene*                             | 0.267  | 0.050           | 04/22/2020 | ND           | 1.99 | 99.5       | 2.00          | 6.68 |           |
| Ethylbenzene*                        | 0.273  | 0.050           | 04/22/2020 | ND           | 2.07 | 103        | 2.00          | 6.82 |           |
| Total Xylenes*                       | 2.65   | 0.150           | 04/22/2020 | ND           | 6.07 | 101        | 6.00          | 6.86 |           |
| Total BTEX                           | 3.19   | 0.300           | 04/22/2020 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 175 %  | 6 73.3-12       | 9          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/    | kg              | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 32.0   | 16.0            | 04/23/2020 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg/    | kg              | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | 121    | 10.0            | 04/22/2020 | ND           | 209  | 104        | 200           | 2.13 |           |
| DRO >C10-C28*                        | 1030   | 10.0            | 04/22/2020 | ND           | 211  | 105        | 200           | 2.73 |           |
| EXT DRO >C28-C36                     | 118    | 10.0            | 04/22/2020 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 118 %  | 6 44.3-14       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 115 %  | 6 42.2-15       | 6          |              |      |            |               |      |           |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



SOUDER MILLER AND ASSOCIATES ASHLEY MAXWELL 201 S. HALAGUENO CARLSBAD NM, 88220 Fax To: NONE

| Received:         | 04/22/2020           | Sampling Date:      | 04/20/2020     |
|-------------------|----------------------|---------------------|----------------|
| Reported:         | 04/23/2020           | Sampling Type:      | Soil           |
| Project Name:     | FIGHTING OKRA 18 CTB | Sampling Condition: | Cool & Intact  |
| Project Number:   | NOT GIVEN            | Sample Received By: | Tamara Oldaker |
| Project Location: | DEVON ENERGY         |                     |                |

### Sample ID: S 8 - 2' (H001165-16)

| BTEX 8021B                           | mg/    | ′kg             | Analyze    | d By: MS     |      |            |               |      |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 04/22/2020 | ND           | 1.95 | 97.4       | 2.00          | 6.93 |           |
| Toluene*                             | <0.050 | 0.050           | 04/22/2020 | ND           | 1.99 | 99.5       | 2.00          | 6.68 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 04/22/2020 | ND           | 2.07 | 103        | 2.00          | 6.82 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 04/22/2020 | ND           | 6.07 | 101        | 6.00          | 6.86 |           |
| Total BTEX                           | <0.300 | 0.300           | 04/22/2020 | ND           |      |            |               |      |           |
| Surrogate: 4-Bromofluorobenzene (PID | 102    | % 73.3-12       | 9          |              |      |            |               |      |           |
| Chloride, SM4500Cl-B                 | mg/    | ′kg             | Analyze    | d By: AC     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride                             | 32.0   | 16.0            | 04/23/2020 | ND           | 432  | 108        | 400           | 3.64 |           |
| TPH 8015M                            | mg/    | ′kg             | Analyze    | d By: MS     |      |            |               |      |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 04/22/2020 | ND           | 209  | 104        | 200           | 2.13 |           |
| DRO >C10-C28*                        | 11.9   | 10.0            | 04/22/2020 | ND           | 211  | 105        | 200           | 2.73 |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 04/22/2020 | ND           |      |            |               |      |           |
| Surrogate: 1-Chlorooctane            | 98.5   | % 44.3-14       | 4          |              |      |            |               |      |           |
| Surrogate: 1-Chlorooctadecane        | 105    | % 42.2-15       | 6          |              |      |            |               |      |           |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

| S-06  | The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's. |
|-------|--|
| S-04  | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.   |
| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.                       |
| ND    | Analyte NOT DETECTED at or above the reporting limit   |
| RPD   | Relative Percent Difference  |
| **    | Samples not received at proper temperature of 6°C or below.  |
| ***   | Insufficient time to reach temperature.  |
| -     | Chloride by SM4500Cl-B does not require samples be received at or below 6°C  |
|       | Samples reported on an as received basis (wet) unless otherwise noted on report  |

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Celecz D. Keine

Celey D. Keene, Lab Director/Quality Manager

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

| Company Name:  | SMA   |            |                        |   |                                     | BILL                          | 10                                 |   |            |      |      | ANA   |        |     | -i   |   |   |  |
|--|---|------------|------------------------|---|-------------------------------------|-------------------------------|------------------------------------|---|------------|------|------|-------|--------|-----|------|---|---|--|
| Project Manager  | : Ashley Maxwell  |            |                        |   | P.O. #:                             |                               |                                    |   |            |      | -    |       |        | 7   | _    |   | _ |  |
| Address: 201   | S. Halaqueino St.   |            |                        |   | Compan                              | Y:Dela                        | on time                            | (a)                                     |            | RO)  |      |       |        |     | <br> |   |   |  |
| city Cer Isba  | A State: NY   | Zip:       | 00                     | off   | Attn:                               |                               |                                    | 0                                       |            | /m   |      |       |        |     | <br> |   |   |  |
| Phone #:   | Fax #:  |            |                        |   | Address                             |                               |                                    |   | 1          | 20   |      |       |        |     | <br> |   |   |  |
| Project #:   | Project Owr   | er:        |                        |   | City:                               |                               |                                    |   | )          | 101  |      |       |        |     | <br> |   |   |  |
| Project Name:  | ighting Okra 18 CTB 4   |            |                        |   | State:                              | Ы                             | 2                                  |   | 011        | ro,  |      |       |        |     |      |   |   |  |
| <b>Project Location</b>  |   |            |                        |   | Phone #                             |                               |                                    |   | (8         | (6   |      |       |        |     | <br> |   |   |  |
| Sampler Name:  | Sebastian Orozco (SI  | 9          |                        |   | Fax #:                              |                               |                                    |   | 7          | D    |      |       |        |     |      |   |   |  |
| FOR LAB USE ONLY   |   |            |                        | MATRIX  | PRES                                | ERV.                          | SAMPLING                           | ,                                       | 20         | 115  |      |       |        |     | <br> |   |   |  |
| -  |   | (C)OMP     | IERS<br>/ATER          | TER   |                                     |                               |                                    | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | ( 80       | 1 80 |      |       |        |     | <br> |   |   |  |
| HOOIILes   | sampie I.U.   | (G)RAB OF  | # CONTAIN<br>GROUNDW   | Wastewa<br>Soil<br>Oil<br>Sludge  | OTHER :<br>ACID/BASE<br>CE / COOL   | OTHER :                       | DATE                               | TIME                                    | BTEY       | TPH  | CI   |       |        |     | <br> |   |   |  |
| 1  | CS1 - 3'  | 0          | 12                     | ×   | ×                                   | I                             | 121/20 1                           | 34:0                                    | ×          | *    | ×    |       |        |     |      |   |   |  |
| N  | CS2-3'  |            |                        |   |                                     |                               |                                    | 0:50                                    | -          |      |      |       |        |     | _    |   |   |  |
| .u   | C\$3-3  |            | -                      |   |                                     |                               |                                    | 0:55                                    |            |      |      |       |        |     |      |   |   |  |
| 1-=  | CSH-S.  |            | -                      |   |                                     |                               |                                    | 1:00                                    |            |      |      |       |        |     | <br> |   |   |  |
| . 5  | C 22 - Q - 2  |            | -                      |   |                                     | -                             | +                                  | 84-1                                    |            |      |      |       |        |     |      |   |   |  |
| 10   | SWIT  | -          | +                      |   |                                     | L                             | 120/20                             | 1:48                                    |            |      |      |       |        |     |      | _ |   |  |
| 1  | SW2   |            | -                      |   |                                     | -                             |                                    | - 51                                    |            |      |      |       |        |     |      | _ |   |  |
| 8  | S WU  |            | -                      |   |                                     |                               | +                                  | 3101                                    |            |      |      |       |        |     |      |   |   |  |
| 9  | N N N N N N N N N N N N N N N N N N N   | +          | -                      |   | _                                   | F                             | 120/20 1                           | 1:00                                    |            |      |      |       |        |     | _    | _ |   |  |
| DI EASE NOTE: 1 ablity and                                     | ST-surface  | 9          | t                      | t   | T                                   | r                             | 120/20 2                           | :21 .                                   | F          | 1-   | F    |       |        |     |      |   |   |  |
| analyses All claims including<br>service In no event shall Can | those for negligence and any other cause whatsoever shall be<br>those for negligence and any other cause whatsoever shall be<br>dinal be liable for incidental or consequental damages includ | e deemed w | ansing wh<br>valved un | hether based in contract o<br>less made in writing and r<br>biremess internations los | r tort shall be I<br>eceived by Car | imited to the<br>dinal within | amount paid by<br>30 days after co | the client for the ampletion of the a   | applicable |      |      |       |        |     | _    | - |   |  |
| affliates or successors arising<br>Relinquished By:            | out of or related to the performance of services hereunder b<br>Date:   | Cardinal r | eived                  | of whether such claim is  | based upon an                       | v of the abo                  | ve stated reason                   | s or otherwise                          |            |      |      |       |        |     |      |   |   |  |
| Johasti  | un Chora co Time:   | d          | 2 and                  | 2 th for  | A A                                 |                               | 진공                                 | EMARKS:                                 |            | Yes  | No   | Add'I | Fax #: |     |      |   |   |  |
|  | DI M Dates  | Rec        | eived                  | By:   |                                     | 20                            |                                    | Ē                                       | N<br>Y     | 2    |      |       |        |     |      |   |   |  |
| Délivered By:  | (Circle One) 4-22   | 02         | A                      | Santple Conditio  | E                                   | ECKEB                         | B                                  | 10                                      |            | 1    |      |       |        |     |      |   |   |  |
| Sampler - UPS -  | Bus - Other: #//ス   | Ju         | 0                      | Yes Yes   | 1                                   | (Initials)                    | (                                  | à                                       | _          | 5)   | í.   | -)    |        | _   |      |   |   |  |
|  | 0   |            |                        | UND NO  | Y.                                  |                               |                                    | (-                                      | -          | t    | 0011 | (-    | ine    | try |      |   |   |  |

Received by OCD: 6/4/2020 2:03:55 PM

# Page 80 q<del>f 8</del>8 Page 20 of 20 ARDINAL

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

# 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

| Company Name: SMA   |  | BILL TO   |  | ANALYSIS REQUEST               |
|---|--|---|--|--------------------------------|
| Project Manager: Ashley Maxwell   |  | P.O. #:   | )  |                                |
| Address: 201 S. Halaquetro St.  |  | Company: Devion Frierow   | 120  |                                |
| City: Carbbad U State: N  | M Zip: 88220   | Attn:   | )  |                                |
| Phone #: Fax #:   |  | Address:  | 121<br>)RO                                     |                                |
| Project #: Project Ov   | vner:  | City:   | 80   |                                |
| Project Name: Fighting OKYG 18 CT   | 194  | State: Zip:   | (<br>07RC                                      |                                |
| Project Location:   |  | Phone #:  |  |                                |
| Sampler Name: Sebastian Orozco  | (so)   | Fax #:  | 50   |                                |
| FOR LABUSE ONLY   | P. MATRIX  | PRESERV. SAMPLING   | 801  |                                |
| Lab I.D. Sample I.D.  | (G)RAB OR (C)OMF<br># CONTAINERS<br>GROUNDWATER<br>WASTEWATER<br>SOIL<br>OIL<br>SLUDGE   | OTHER :<br>ACID/BASE:<br>ICE / COOL<br>OTHER :<br>DATE  | ВТБХ<br>ТРН : 8<br>С1                          |                                |
| // S7-11<br>// S7-1.51  | - <del>6</del> 1 ×   | X 4/20/20 2:10  | - × - ×  |                                |
| 13 57-21  |  | 2:24  |  |                                |
| 14 58-Surface   |  | 2:28  |  |                                |
| 15 58-11  |  | 2:31  |  |                                |
| 16 58-21  | +  | 1 2:39  | +  |                                |
|   |  |   |  |                                |
| DI EASE NOTE: Linkits and Domonos Candiant's Inkitis and Alant's soulinits sources  |  |   |  |                                |
| - encode review of the second seco | y or any cam anality memerizased in contract<br>lail be deemed waived unless made in writing and<br>cluding without limitation, business interruptions i<br>er by Cardinal (regardless of whether such claim) i<br>er by Cardinal (regardle | or fort, shall be limited to the amount paid by the clien<br>or received by Cardinal within 30 days after completion,<br>loss of use, or loss of profits incurred by client, its subs<br>is based upon any of the above stated reasons or one | for the<br>If the applicable<br>diaries        |                                |
| Relinquished By: Date:  | Received By:   | Phone F<br>Fax Ree<br>REMAR   | tesult: _ D Yes D No<br>ult: D Yes D No<br>KS: | Add'l Phone #:<br>Add'l Fax #: |
| Relinquished By: Date: Ju-22-   | 20 Received By:  | M112 7  | Fush!  |                                |
| Delivered By: (Circle One) 4-22-2   | Cool Intact  | (Initials)  | )  | -)                             |
|   |  |   |  |                                |

Sampler - UPS - Bus - Other:

113

1.30

Cool Intact

40

Bill Leven

604



April 29, 2020

Ashley Maxwell Souder, Miller & Associates 201 S Halagueno Carlsbad, NM 88221 TEL: FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

OrderNo.: 2004B29

RE: Fighting Okra 18 CTB4

Dear Ashley Maxwell:

Hall Environmental Analysis Laboratory received 1 sample(s) on 4/28/2020 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,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

**Analytical Report** 

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2004B29

Date Reported: 4/29/2020

| CLIENT:  | Souder, Miller & Associates | Client Sample ID: CS6                                   |  |
|----------|-----------------------------|---|--|
| Project: | Fighting Okra 18 CTB4       | Collection Date: 4/24/2020 10:31:00 AM                  |  |
| Lab ID:  | 2004B29-001                 | Matrix: MEOH (SOIL) Received Date: 4/28/2020 9:15:00 AM |  |

| Analyses                             | Result | RL       | Qual | Units | DF | Date Analyzed         | Batch |
|--------------------------------------|--------|----------|------|-------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS             |        |          |      |       |    | Analyst               | MRA   |
| Chloride                             | 89     | 60       |      | mg/Kg | 20 | 4/28/2020 12:53:11 PM | 52137 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | ANICS  |          |      |       |    | Analyst               | BRM   |
| Diesel Range Organics (DRO)          | 64     | 9.1      |      | mg/Kg | 1  | 4/28/2020 12:18:17 PM | 52131 |
| Motor Oil Range Organics (MRO)       | 50     | 45       |      | mg/Kg | 1  | 4/28/2020 12:18:17 PM | 52131 |
| Surr: DNOP                           | 96.2   | 55.1-146 |      | %Rec  | 1  | 4/28/2020 12:18:17 PM | 52131 |
| EPA METHOD 8015D: GASOLINE RANGE     |        |          |      |       |    | Analyst               | NSB   |
| Gasoline Range Organics (GRO)        | ND     | 4.2      |      | mg/Kg | 1  | 4/28/2020 3:10:59 PM  | 52090 |
| Surr: BFB                            | 108    | 66.6-105 | S    | %Rec  | 1  | 4/28/2020 3:10:59 PM  | 52090 |
| EPA METHOD 8021B: VOLATILES          |        |          |      |       |    | Analyst               | NSB   |
| Benzene                              | ND     | 0.021    |      | mg/Kg | 1  | 4/28/2020 3:10:59 PM  | 52090 |
| Toluene                              | ND     | 0.042    |      | mg/Kg | 1  | 4/28/2020 3:10:59 PM  | 52090 |
| Ethylbenzene                         | ND     | 0.042    |      | mg/Kg | 1  | 4/28/2020 3:10:59 PM  | 52090 |
| Xylenes, Total                       | ND     | 0.085    |      | mg/Kg | 1  | 4/28/2020 3:10:59 PM  | 52090 |
| Surr: 4-Bromofluorobenzene           | 103    | 80-120   |      | %Rec  | 1  | 4/28/2020 3:10:59 PM  | 52090 |

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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

- В Analyte detected in the associated Method Blank
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 5

.

| Client:<br>Project: | Soud<br>Fight | er, Miller & As<br>ing Okra 18 C | ssociate<br>TB4 | es        |             |           |           |                    |      |          |      |
|---------------------|---------------|----------------------------------|-----------------|-----------|-------------|-----------|-----------|--------------------|------|----------|------|
| Sample ID:          | MB-52137      | SampT                            | ype: <b>m</b> t | olk       | Tes         | tCode: EF | PA Method | 300.0: Anion       | s    |          |      |
| Client ID:          | PBS           | Batch                            | ID: 52          | 137       | F           | unNo: 68  | 8494      |                    |      |          |      |
| Prep Date:          | 4/28/2020     | Analysis D                       | ate: 4/         | 28/2020   | S           | eqNo: 2   | 370002    | Units: mg/K        | g    |          |      |
| Analyte             |               | Result                           | PQL             | SPK value | SPK Ref Val | %REC      | LowLimit  | HighLimit          | %RPD | RPDLimit | Qual |
| Chloride            |               | ND                               | 1.5             |           |             |           |           |                    |      |          |      |
| Sample ID:          | LCS-52137     | SampT                            | ype: Ics        | ;         | Tes         | tCode: EF | PA Method | 300.0: Anion       | s    |          |      |
| Client ID:          | LCSS          | Batch                            | ID: 52          | 137       | F           | unNo: 68  | 8494      |                    |      |          |      |
| Prep Date:          | 4/28/2020     | Analysis D                       | ate: 4/         | 28/2020   | S           | eqNo: 23  | 370003    | Units: <b>mg/K</b> | g    |          |      |
| Analyte             |               | Result                           | PQL             | SPK value | SPK Ref Val | %REC      | LowLimit  | HighLimit          | %RPD | RPDLimit | Qual |
| Chloride            |               | 14                               | 1.5             | 15.00     | 0           | 95.1      | 90        | 110                |      |          |      |

### Qualifiers:

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- D Sample Diluted Due to Matrix
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- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

2004B29

29-Apr-20

WO#:

# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| Client:<br>Project: | Souder, N<br>Fighting ( | filler & A<br>Okra 18 C | ssociate<br>CTB4 | es        |             |                 |           |             |           |            |      |
|---------------------|-------------------------|-------------------------|------------------|-----------|-------------|-----------------|-----------|-------------|-----------|------------|------|
| Sample ID:          | LCS-52131               | SampT                   | Гуре: <b>LC</b>  | S         | Tes         | tCode: El       | PA Method | 8015M/D: Di | esel Rang | e Organics |      |
| Client ID:          | LCSS                    | Batcl                   | h ID: 52         | 131       | F           | RunNo: 6        | 8463      |             |           |            |      |
| Prep Date:          | 4/28/2020               | Analysis E              | Date: 4/         | 28/2020   | S           | SeqNo: 2        | 369456    | Units: mg/k | ۲g        |            |      |
| Analyte             |                         | Result                  | PQL              | SPK value | SPK Ref Val | %REC            | LowLimit  | HighLimit   | %RPD      | RPDLimit   | Qual |
| Diesel Range (      | Organics (DRO)          | 47                      | 10               | 50.00     | 0           | 94.2            | 70        | 130         |           |            |      |
| Surr: DNOP          |                         | 4.2                     |                  | 5.000     |             | 84.2            | 55.1      | 146         |           |            |      |
| Sample ID:          | MB-52131                | SampT                   | Гуре: МЕ         | BLK       | Tes         | tCode: El       | PA Method | 8015M/D: Di | esel Rang | e Organics |      |
| Client ID:          | PBS                     | Batcl                   | h ID: 52         | 131       | F           | RunNo: 6        | 8463      |             |           |            |      |
| Prep Date:          | 4/28/2020               | Analysis E              | Date: 4/         | 28/2020   | S           | SeqNo: 2        | 369457    | Units: mg/k | ٢g        |            |      |
| Analyte             |                         | Result                  | PQL              | SPK value | SPK Ref Val | %REC            | LowLimit  | HighLimit   | %RPD      | RPDLimit   | Qual |
| Diesel Range (      | Organics (DRO)          | ND                      | 10               |           |             |                 |           |             |           |            |      |
| Motor Oil Rang      | e Organics (MRO)        | ND                      | 50               |           |             |                 |           |             |           |            |      |
| Surr: DNOP          |                         | 9.0                     |                  | 10.00     |             | 90.2            | 55.1      | 146         |           |            |      |
| Sample ID:          | 2004B29-001AMS          | SampT                   | Гуре: М          | 6         | Tes         | tCode: El       | PA Method | 8015M/D: Di | esel Rang | e Organics |      |
| Client ID:          | CS6                     | Batc                    | h ID: 52         | 131       | F           | RunNo: 6        | 8463      |             |           |            |      |
| Prep Date:          | 4/28/2020               | Analysis E              | Date: 4/         | 28/2020   | 5           | SeqNo: 2        | 370241    | Units: mg/k | ٢g        |            |      |
| Analyte             |                         | Result                  | PQL              | SPK value | SPK Ref Val | %REC            | LowLimit  | HighLimit   | %RPD      | RPDLimit   | Qual |
| Diesel Range (      | Organics (DRO)          | 140                     | 9.9              | 49.60     | 64.47       | 147             | 47.4      | 136         |           |            | S    |
| Surr: DNOP          |                         | 5.6                     |                  | 4.960     |             | 113             | 55.1      | 146         |           |            |      |
| Sample ID:          | 2004B29-001AMS          | <b>)</b> Samp1          | Гуре: М          | SD        | Tes         | tCode: El       | PA Method | 8015M/D: Di | esel Rang | e Organics |      |
| Client ID:          | CS6                     | Batcl                   | h ID: 52         | 131       | F           | RunNo: <b>6</b> | 8463      |             |           |            |      |
| Prep Date:          | 4/28/2020               | Analysis E              | Date: 4/         | 28/2020   | 5           | SeqNo: 2        | 370242    | Units: mg/k | ٢g        |            |      |
| Analyte             |                         | Result                  | PQL              | SPK value | SPK Ref Val | %REC            | LowLimit  | HighLimit   | %RPD      | RPDLimit   | Qual |
| Diesel Range (      | Organics (DRO)          | 100                     | 9.7              | 48.59     | 64.47       | 81.4            | 47.4      | 136         | 27.6      | 43.4       |      |
| Surr: DNOP          |                         | 5.2                     |                  | 4.859     |             | 108             | 55.1      | 146         | 0         | 0          |      |

### Qualifiers:

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- S % Recovery outside of range due to dilution or matrix

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- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

| WO#: | 2004B29 |
|------|---------|
|      | 20 4 20 |

# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| Client:<br>Project:                  | Souder, Miller & Ass<br>Fighting Okra 18 CT | sociate<br>TB4 | °S            |             |             |            |                    |             |          |      |
|--------------------------------------|---|----------------|---------------|-------------|-------------|------------|--------------------|-------------|----------|------|
| Sample ID: mb-520                    | 00 SampTy                                   | pe: ME         | BLK           | Tes         | Code: El    | PA Method  | 8015D: Gaso        | oline Range | e        |      |
| Prep Date: 4/26/20                   | 20 Analysis Da                              | te: 4/2        | 28/2020       | S           | eqNo: 2     | 369829     | Units: <b>mg/ł</b> | ٢g          |          |      |
| Analyte                              | Result                                      | PQL            | SPK value     | SPK Ref Val | %REC        | LowLimit   | HighLimit          | %RPD        | RPDLimit | Qual |
| Gasoline Range Organics<br>Surr: BFB | (GRO) ND<br>1000                            | 5.0            | 1000          |             | 103         | 66.6       | 105                |             |          |      |
| Sample ID: Ics-5209                  | <b>0</b> SampTy                             | pe: <b>LC</b>  | S             | Test        | Code: El    | PA Method  | 8015D: Gaso        | line Rang   | e        |      |
| Client ID: LCSS                      | Batch                                       | ID: 520        | 090           | R           | unNo: 6     | 8490       |                    |             |          |      |
| Prep Date: 4/26/20                   | 20 Analysis Da                              | te: 4/2        | 28/2020       | S           | eqNo: 2     | 369834     | Units: mg/k        | ٢g          |          |      |
| Analyte                              | Result                                      | PQL            | SPK value     | SPK Ref Val | %REC        | LowLimit   | HighLimit          | %RPD        | RPDLimit | Qual |
| Gasoline Range Organics<br>Surr: BFB | (GRO) 23<br>1100                            | 5.0            | 25.00<br>1000 | 0           | 90.1<br>111 | 80<br>66.6 | 120<br>105         |             |          | S    |

**Qualifiers:** 

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Page 4 of 5

| WO#: | 2004B29   |
|------|-----------|
|      | 29-Apr-20 |

# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| Client: Soud<br>Project: Fight | er, Miller & A<br>ing Okra 18 ( | ssociate<br>CTB4 | es        |             |           |           |                    |       |          |      |
|--------------------------------|---------------------------------|------------------|-----------|-------------|-----------|-----------|--------------------|-------|----------|------|
| Sample ID: mb-52090            | Samp                            | Гуре: МЕ         | BLK       | Tes         | tCode: El | PA Method | 8021B: Vola        | tiles |          |      |
| Client ID: PBS                 | Batc                            | h ID: 52         | 090       | F           | RunNo: 6  | 8490      |                    |       |          |      |
| Prep Date: 4/26/2020           | Analysis [                      | Date: 4/         | 28/2020   | S           | SeqNo: 2  | 369873    | Units: mg/k        | ٢g    |          |      |
| 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     | 1.0                             |                  | 1.000     |             | 104       | 80        | 120                |       |          |      |
| Sample ID: LCS-52090           | Samp                            | Гуре: <b>LC</b>  | S         | Tes         | tCode: El | tiles     |                    |       |          |      |
| Client ID: LCSS                | Batc                            | h ID: 52         | 090       | F           | RunNo: 6  | 8490      |                    |       |          |      |
| Prep Date: 4/26/2020           | Analysis [                      | Date: 4/         | 28/2020   | 5           | SeqNo: 2  | 369874    | Units: <b>mg/k</b> | ٢g    |          |      |
| Analyte                        | Result                          | PQL              | SPK value | SPK Ref Val | %REC      | LowLimit  | HighLimit          | %RPD  | RPDLimit | Qual |
| Benzene                        | 0.83                            | 0.025            | 1.000     | 0           | 82.6      | 80        | 120                |       |          |      |
| Toluene                        | 0.86                            | 0.050            | 1.000     | 0           | 85.8      | 80        | 120                |       |          |      |
| Ethylbenzene                   | 0.89                            | 0.050            | 1.000     | 0           | 88.7      | 80        | 120                |       |          |      |
| Xylenes, Total                 | 2.7                             | 0.10             | 3.000     | 0           | 89.2      | 80        | 120                |       |          |      |
| Surr: 4-Bromofluorobenzene     | 1.0                             |                  | 1.000     |             | 105       | 80        | 120                |       |          |      |

- \* Value exceeds Maximum Contaminant Level.
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- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

| WO#: | 2004B29 |
|------|---------|
|      |         |

29-Apr-20

| ENVIRONMENTAL<br>ANALYSIS<br>LABORATORY   | Alb<br>TEL: 505-345-3973<br>Website: www.ha | 4901 Hawk<br>4901 Hawk<br>uquerque, NM<br>5 FAX: 505-342<br>allenvironment | ins NE<br>87109 <b>Sai</b><br>5-4107<br>al.com | mple Log-In Check List              |   |
|---|---|--|--|-------------------------------------|---|
| Client Name: SMA-CARLSBAD   | Work Order Number                           | : 2004B29  |  | RcptNo: 1                           |   |
| Received By: Juan Rojas   | 4/28/2020 9:15:00 AM                        |  | flans y  | e-                                  |   |
| ALL<br>PALL<br>NUMBER TAL<br>MADE VISIONMENTAL<br>MADE VISION<br>MADE VISION<br>MADE VISION<br>MADE VISION<br>MADE VISION<br>MADE VISION<br>MADE VISION<br>MADE VISION<br>MADE VISI |   |  |  |                                     |   |
| Reviewed By: DAD 4/28/20  |   |  | 12   |                                     |   |
| Chain of Custody  |   |  |  |                                     |   |
| 1. Is Chain of Custody sufficiently compl   | ete?  | Yes 🗹  | No 🗌   | Not Present                         |   |
| 2. How was the sample delivered?  |   | Courier  |  |                                     |   |
| Log In<br>3. Was an attempt made to cool the same   | ples?                                       | Yes 🗹  | No 🗌   | NA 🗌                                |   |
| 4. Were all samples received at a tempe   | rature of >0° C to 6.0°C                    | Yes 🗹  | No 🗌   |                                     |   |
| 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) p   | roperly preserved?                          | Yes 🔽  | No 🗌   |                                     |   |
| 8. Was preservative added to bottles?   |   | Yes  | No 🔽   | NA 🗌                                |   |
| 9. Received at least 1 vial with headspace  | e <1/4" for AQ VOA?                         | Yes  | No 🗌   | NA 🔽                                |   |
| 10. Were any sample containers received   | broken?                                     | Yes 🗌  | No 🔽   | # of preserved                      |   |
| 11. Does paperwork match bottle labels?<br>(Note discrepancies on chain of custor   | y)  | Yes 🗹  | No 🗌   | for pH:<br>(<2 or >12,unless noted) |   |
| 2. Are matrices correctly identified on Cha   | ain of Custody?                             | Yes 🗹  | No 🗌   | Adjusted?                           |   |
| 13. Is it clear what analyses were requested  | d?  | Yes 🖌  | No 🗌   |                                     |   |
| 14. Were all holding times able to be met?<br>(If no, notify customer for authorization   | .)  | Yes 🗹  | No 🗌   | Checked by: JR 4/28/2               | Ô |
| Special Handling (if applicable)  |   |  |  |                                     |   |
| 15. Was client notified of all discrepancies  | with this order?                            | Yes  | No 🗌   | NA 🗹                                |   |
| Person Notified:  | Date:                                       | Ref and the official of and to calmage                                     | ana na ann ann an ann an ann an ann an a       |                                     |   |
| By Whom:  | Via:  | eMail  | Phone 🗌 Fax                                    | In Person                           |   |
| Regarding:<br>Client Instructions:  |   |  |  |                                     |   |
| 16. Additional remarks:   |   |  |  |                                     |   |
| 17. <u>Cooler Information</u><br>Cooler No ∣Temp ºC ∣ Conditior   | Seal Intact Seal No S                       | eal Date   | Signed By                                      |                                     |   |
| 1 3.9 Good  | Not Present                                 |  | Signed by                                      | -                                   |   |

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| Red | ceived | d by (                  | OCD   | ): 6/4 | /2020  | 2:0  | 3:5   | 5 <b>P</b> N | 1     |                 |       |      |         |              | Т            | 1 | Т | T | 1 | Τ   |   |     |   | Т | Т      | Pag    | e 88 o           | <b>f 88</b> |
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