

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

September 9, 2020

#5E29133-BG35

NMOCD District 2 Mike Bratcher 811 S. First St. Artesia, New Mexico 88220

SUBJECT: Remediation Closure Report for the Cotton Draw Unit #076 Release (2RP-678), Lea County, New Mexico

To Mr. Mike Bratcher,

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 Cotton Draw Unit #076 site. The site is Section 8, Township 18S, Range 33E, Eddy 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 | Cotton Draw Unit #076 | Company | Devon Energy Company | | | | | | |
| API Number | 30-025-30986 | Location | 32.1565857, -103.737999 | | | | | | |
| Incident Number | | 2RP-678 | | | | | | | |
| Estimated Date of Release | 6/23/2009 | Date Reported to NMOCD | 6/25/2009 | | | | | | |
| Land Owner | Federal | Reported To | NMOCD, BLM | | | | | | |
| Source of Release | Dump valve malfunction. | - | | | | | | | |
| Released Volume | 8 bbls | Released Material | Produced Water | | | | | | |
| Recovered Volume | 0 bbls | Net Release | 8 bbls | | | | | | |
| NMOCD Closure Criteria | >100 feet to groundwater | | | | | | | | |
| SMA Response Dates | 8/12/2020 | | | | | | | | |

Cotton Draw Unit #076 Closure Report (2RP-678) September 9, 2020

1.0 Background

On June 23, 2009, a release was discovered at the Cotton Draw Unit #76 due to a 3-inch poly line developing a rupture after a dump valve malfunctioned. Initial response activities were conducted by Devon personnel, and included source elimination and site containment activities. 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 Cotton Draw Unit #76 is located approximately 20 miles from Malaga, New Mexico on Federal (BLM) land at an elevation of approximately 3,462 feet above mean sea level (amsl).

Based upon OSE well data (Appendix B), depth to groundwater in the area is estimated to be 847 feet below grade surface (bgs). There are four 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 8/31/2020). The nearest significant watercourse is an unnamed draw, located approximately 22,477 feet to the south east. 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. Table 2 demonstrates the Closure Criteria applicable to this location. Pertinent well data is attached in Appendix B.

3.0 Release Characterization Activities and Findings

On August 12, 2020, SMA personnel arrived on site in response to the release associated with Cotton Draw Unit #076. SMA performed site delineation activities by collecting soil samples around the release site, based on figures provided by Devon personnel. 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.

A total of five (5) sample locations (S1- S5) were investigated using a hand-auger, collecting samples from the surface and 0.5 feet bgs. A total of ten (10) 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 the areas surrounding the release meet NMOCD closure criteria, as well as reclamation requirements, and no further action is required.

Cotton Draw Unit #076 Closure Report (2RP-678) September 9, 2020

4.0 Scope and Limitations

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

If there are any questions regarding this report, please contact either Ashley Maxwell at 505-320-9241 or Shawna Chubbuck at 505-325-7535.

Submitted by: SOUDER, MILLER & ASSOCIATES Reviewed by:

Ashley Maxwell Project Manager

Shauna Chubbuck

Shawna Chubbuck Senior Scientist Page 3 of 4

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 3: Summary of Sample Results

Appendices:

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

FIGURES







TABLES

Table 2: NMOCD Closure Criteria

| Site Information (19.15.29.11.A(2, 3, and 4) NMAC | Source/Notes | |
|--|--------------|--|
| Depth to Groundwater (feet bgs) | 847 | New Mexico Office of the State Engineer |
| Hortizontal Distance From All Water Sources Within 1/2 Mile (ft) | N/A | United States Geological Survey Topo Map |
| Hortizontal Distance to Nearest Significant Watercourse (ft) | 22,548 | Intermitten Stream/Canal Southeast of Cotton Draw Unit #76 |

| Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC) | | | | | | | |
|---|----------------|---|--------------|--------------|--------|---------|--|
| | | 1 | ire Criteria | units in n | ng/kg) | | |
| Depth to Groundwater | | Chloride *numerical limit or background, whichever is greater | ТРН | GRO + 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 | es, then | | | |
| <300' from continuously flowing watercourse or other significant watercourse? <200' from lakebed, sinkhole or playa lake? Water Well or Water Source | No No | | | | | | |
| <500 feet from spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes? <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 (Low.Karst) | | | | | | |
| within a 100-year floodplain? | No | | | | | | |

| | eleased | | | | Ta Sampl | Table 3: Sample Results | | | | Devon Energy Pro Cotto |
|-----------|--------------|--|----------|--------|--------------|----------------------------|-------|--------------|-----------|---------------------------|
| | | | | | | | | | | Method |
| | | Denth of Samula | Action | Metho | Method 8021B | | Metho | Method 8015D | | 300.0 |
| Sample ID | Sample Date | (sgq | Taken | ВТЕХ | Benzene | GRO | DRO | MRO | Total TPH | CI- |
| | | | | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg | mg/Kg |
| MN | OCD Reclamat | NMOCD Reclamation Requirement (0-4 ft) | 0-4 ft) | 50 | 10 | : | 1 | 1 | 100 | 600 |
| | NMOCD Clo | NMOCD Closure Criteria (>4 ft) | | 50 | 10 | 10 | 1000 | | 2,500 | 20,000 |
| 5 | | 0 | In- Situ | <0.222 | <0.025 | <4.9 | <9.7 | <48 | <62.6 | 250 |
| тс | | 0.5 | In- Situ | <0.220 | <0.024 | <4.9 | <10 | <50 | <64.9 | <60 |
| ິນ | | 0 | In- Situ | <0.206 | <0.023 | <4.6 | <9.5 | <48 | <62.1 | 170 |
| 70 | | 0.5 | In- Situ | <0.207 | <0.024 | <4.8 | <9.2 | <46 | <60 | <60 |
| CO | | 0 | In- Situ | <0.211 | <0.023 | <4.7 | <9.3 | 53 | 53 | 190 |
| C C C | 0707/71/0 | 0.5 | In- Situ | <0.213 | <0.024 | <4.7 | <9.3 | <46 | <60 | <60 |
| ŭ | | 0 | In- Situ | <0.213 | <0.024 | <4.7 | <9.0 | <45 | <58.7 | 210 |
| 54 | | 0.5 | In- Situ | <0.210 | <0.023 | <4.7 | <9.6 | 50 | 50 | 100 |
| L C | | 0 | In- Situ | <0.224 | <0.025 | <5.0 | <9.8 | 76 | 76 | 170 |
| n n | | 0.5 | In- Situ | <0.206 | <0.023 | <4.6 | <8.8 | 69 | 69 | <61 |

"--" = Not Analyzed BG: Background sample

t

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APPENDIX A FORM C141

| | Received by | WOCD: | ·9/22/2020 | 10:39:36)A | M' |
|--|-------------|-------|------------|------------|----|
|--|-------------|-------|------------|------------|----|

| ed/by/OCD::9/22/2020/10:39:36/AM | | | | | | Rage |
|--|--|---|---|--|--|---|
| strict 1 25 N. French Dr., Hobbs, NM 88240 strict II 01 W. Grand Avenue, Artesia, NM 88210 strict III | State of N Energy Minerals a | nd Natura | Resources | .!! | 11 -8 21 | Form C-14 Revised March 17, 199 |
| strict III 00 Rio Brazos Road, Aztec, NM 87410 strict IV 20 S. St. Francis Dr., Santa Fe, NM 87505 | Oil Conserv 1220 South Santa Fe | St. Franc | is Dr. | | | Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form |
| 015-29252 🗇 Relea | se Notification | and Co | orrective A | ctior | 1 | |
| Kmc 1108956328 | OPERAT | FOR | | 1 🛛 | nitial Rep | oort 🗌 Final Repo |
| Name of Company Devon Energy | <u>.</u> | | Roger Herna | | | |
| Address <u>P+ O+Box 250</u> Artesia, NM 88211 | - | lelephone | e No.∐ 575-7 | 48-52 | 238 | 2 - 2 A |
| acility Name Cotton Draw Unit #76 | | Facility T | ype□Gas We | 11 | | |
| | · · · · · · · · · · · · · · · · · · · | | | | Tasas | |
| Surface Owner | Mineral Owner | | | | Lease | |
| Unit Letter Section Township Range I | LOCATION Feet from the North/ | South Line | Feet from the | Fast/ | West Line | County |
| | 1650 South | South Line | 660 | West | | Eddy County |
| | | <u> </u> | <u> </u> | l | | · |
| Type of Release Produced Water | NATURE | | EASE Release 8 bbls | | Volume | Recovered] 0 bbls |
| Source of Release | | Date and I | lour of Occurrent | ce | Date and | Hour of Discovery |
| Split in 3" poly line | | 6-23-09 | 12:01 PM | | 6-23-09 | 12:01 PM |
| Was Immediate Notice Given? | | If YES, To | | | | р. |
| | No 🗌 Not Required | | Bear (BLM – Lea Hour⊡ 6-25-09 | | | |
| By Whom? [] Ernie Duran, Asst. Production Fore Was a Watercourse Reached? | Indii | | olume Impacting | | | |
| Yes 🗌 | No | | | - | | |
| If a Watercourse was Impacted, Describe Fully.* N/A | | | | | | |
| Describe Cause of Problem and Remedial Action | Taken.* | | | | ····· | |
| 3" produced poly water line off the production sep malfunctioned over pressuring the line resulting in | | | | | | |
| Describe Area Affected and Cleanup Action Take Sprayed an area about 40'x50' but there was not s | | spraying a fi | ne mist. Raked a | rea, tile | d, and fertiz | ed. |
| I hereby certify that the information given above i regulations all operators are required to report and public health or the environment. The acceptance should their operations have failed to adequately i or the environment. In addition, NMOCD accepta federal, state, or local two and/or regulations. | /or file certain release n of a C-141 report by the nvestigate and remediate | otifications a e NMOCD n e contaminat | and perform corre- narked as "Final F ion that pose a the ve the operator of | ctive ac Report" reat to respon | tions for rel does not rel ground wate sibility for c | eases which may endanger ieve the operator of liability r, surface water, human health compliance with any other |
| | | | OIL CON | SER | VATION | DIVISION |
| Signature: 1020 Au | - | | Signed B | v A | lile B | / Kalital 1 sta |
| Printed Name: Roger Hernandez | | Approved by | District Superv | isor: | | |
| Title: Production Foreman | | Approval D | nte: 3/36 | 111 | Expiration | Date: |
| Date: June 25, 2009 Phone: 575-748-5238 | | Conditions of | of Approval: | | | Attached |
| Attach Additional Sheets If Necessary | , | Guid | EMEDIATION elines. <u>SUBM</u> POSAL BY: 4/ | | MEDIATIO | |

Released to Imaging: 1/25/2023 7:23:45 AM

Received by OCD: 9/22/2020 10:39:30 AM Form C-141 State of New Mexico

Oil Conservation Division

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| District RP | 2RP-67 |
|----------------|--------|
| Facility ID | |
| Application ID | |

Incident 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? | <u>847</u> (ft bgs) |
|---|---------------------|
| Did this release impact groundwater or surface water? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | 🗌 Yes 🛛 No |
| 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? | 🗌 Yes 🛛 No |
| 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? | 🗌 Yes 🛛 No |
| 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? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within a 100-year floodplain? | 🗌 Yes 🛛 No |
| Did the release impact areas not 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
- Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-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.

Page 3

| Received by OCD: 9/22/ | 2020 10:39:30 AM State of New N | Aexico | | Page 15 o |
|--|------------------------------------|---|--|--|
| Page 4 | Oil Conservation | | Incident ID District RP Facility ID Application ID | 2RP-678 |
| regulations all operators a public health or the envir failed to adequately inves addition, OCD acceptanc and/or regulations. Printed Name: Tom I | | n release notifications and perform of eport by the OCD does not relieve that pose a threat to groundwater, surf | corrective actions for release ne operator of liability shou face water, human health of pliance with any other fede sultant | es which may endanger Id their operations have the environment. In |
| OCD Only Received by: | | Date: | | |

Received by OCD: 9/22/2020 10:39:36 AM Form C-141 State of New Mexico

Page 6

Oil Conservation Division

| Incident ID | |
|----------------|---------|
| District RP | 2RP-678 |
| Facility ID | |
| Application ID | |

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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.

| <u>Closure Report Attachment Checklist</u>: Each of the following | items must be included in the closure report. |
|--|--|
| \boxtimes A scaled site and sampling diagram as described in 19.15.29. | 11 NMAC |
| Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection) | of the liner integrity if applicable (Note: appropriate OCD District office |
| Laboratory analyses of final sampling (Note: appropriate OD | C District office must be notified 2 days prior to final sampling) |
| Description of remediation activities | |
| | |
| and regulations all operators are required to report and/or file certaid may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and re- human health or the environment. In addition, OCD acceptance of | ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in |
| Printed Name: Tom Bynum | Title: EHS Consultant |
| Signature: Tom Bynum | Date: 9/9/2020 |
| Signature: <u>Tom Bynum</u> email: tom.bynum@dvn.com | Telephone: 575-748-2663 |
| | |
| | |
| OCD Only | |
| Received by: | Date: |
| | of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations. |
| Closure Approved by: Huttan Hall | Date: <u>1/25/2023</u> |
| Printed Name: Brittany Hall | Title: Environmental Specialist |
| | |

APPENDIX B NMOSE WELLS REPORT

| (A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) | (R=POD replaced, O=orpha C=the fil closed) | ned, | l | | • | | | | V 2=NE est to lar | 3=SW 4=S gest) (N | E) JAD83 UTM in m | neters) | (In f | eet) |
|---|--|----------------------|--------------|-----|--------------|----|------|----------------|----------------------|----------------------|--------------------------------|-------------------|--------------------|-----------------------|
| | | POD | | 0 | 0 | 0 | | | | | | | | |
| POD Number <u>C 02570</u> | Code | Sub- basin CUB | County ED | 64 | Q 16 2 | 4 | Sec | Tws 25S | Rng 31E | X 618704 | Y 3558489* () | DistanceDe 299 | pthWellDept 895 | Water hWater Colum |
| C 03830 POD1 | | CUB | ED | 4 | 2 | 4 | 02 | 25S | 31E | 618632 | 3558432 | 375 | 450 | |
| C 02568 | | CUB | ED | 4 | 3 | 1 | 01 | 25S | 31E | 619103 | 3558892* | 414 | 1025 | |
| C 02569 | | CUB | ED | 4 | 4 | 2 | 02 | 25S | 31E | 618699 | 3558891* 🌍 | 503 | 1016 | |
| <u>C 02573</u> | | CUB | ED | 1 | 4 | 2 | 02 | 25S | 31E | 618499 | 3559091* 🌍 | 785 | | |
| | | | | | | | | | | | Averag | ge Depth to Wa | ter: | |
| | | | | | | | | | | | | Minimum De | epth: | |
| | | | | | | | | | | | | Maximum De | pth: | - |
| Record Count: 5 | | | | | | | | | | | | | | |
| UTMNAD83 Radiu | s Search (in | meters) | <u>:</u> | | | | | | | | | | | |
| Easting (X): 61 | 9003.91 | | North | ing | (Y |): | 3558 | 3489.9 | | | Radius: 805 | | | |
| *UTM location was derived | from PLSS | soo Uoln | | | | | | | | | | | | |

USGS Home Contact USGS Search USGS



National Water Information System: Web Interface

USGS Water Resources

| Data Category: | | Geographic Area: | | |
|----------------|---|------------------|---|----|
| Groundwater | ~ | United States | ~ | GO |

Click to hideNews Bulletins

- Introducing The Next Generation of USGS Water Data for the Nation
- NOTICE: The NWIS Mapper issue has been addressed. Thank you for your patience.

320932103443801

• Full News 🔝

Groundwater levels for the Nation

Search Results -- 1 sites found

Agency code = usgs

site_no list =

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 320932103443801 25S.31E.02.23441

Eddy County, New Mexico Latitude 32°09'37.4", Longitude 103°44'29.6" NAD83 Land-surface elevation 3,460.00 feet above NGVD29 The depth of the well is 1,016 feet below land surface. This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

Table of data

Tab-separated data

Graph of data

Reselect period

| Date | Time | ? Water- level date- time accuracy | Water level, feet below land surface | Water level, feet above specific vertical datum | Referenced vertical datum | ? Water- level accuracy | ? Status | ? Method of measurement | ? Measuring agency | ? Source o measure |
|------------|------|---|---|---|---------------------------------|----------------------------------|-------------|-------------------------------|--------------------------|--------------------------|
| | | | | | | | | | | |
| 1966-08-18 | | D | 400.00 | | | 2 | 2 | U | J | |
| 1976-01-28 | | D | 390.27 | | | 2 | 2 | ι | J | |

Explanation

| Section | Code | Description |
|--------------------------------|------|--|
| Water-level date-time accuracy | D | Date is accurate to the Day |
| Water-level accuracy | 2 | Water level accuracy to nearest hundredth of a foot |
| Status | | The reported water-level measurement represents a static level |
| Method of measurement | U | Unknown method. |
| Measuring agency | | Not determined |
| Source of measurement | U | Source is unknown. |
| Water-level approval status | А | Approved for publication Processing and review completed. |

Questions about sites/data? Feedback on this web site Automated retrievals Help Data Tips Explanation of terms Subscribe for system changes News

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior U.S. Geological Survey Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2020-09-03 15:06:54 EDT 0.27 0.25 nadww01

APPENDIX C SAMPLING PROTOCOL & FIELD NOTES



Sampling Protocol

The soil samples were collected in laboratory supplied containers in accordance with this sampling protocol, immediately placed on ice and sent under standard chain-of-custody protocols to Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico for analysis. A total of ten (10) 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.

Sampling Analysis Field Quality Assurance Procedures

A unique sample numbering was used to identify each sample collected and designated for on-site and off-site laboratory analysis. The purpose of this numbering scheme was to provide a tracking system for the retrieval of analytical and field data on each sample. Sample identification numbers were recorded on sample labels or tags, field notes, chain-of-custody records (COC) and all other applicable documentation used during the project. Sample labels were affixed to all sample containers during sampling activities. Information was recorded on each sample container label at the time of sample collection. The information recorded on the labels were as follows: sample identification number; sample type (discrete or composite); site name and area/location number; analysis to be performed; type of chemical preservative present in container; date and time of sample collection; and sample collector's name and initials. All samples were packed in ice in an approved rigid body container, custody sealed signed and shipped to the appropriate laboratory via insured currier service.

COC procedures implemented for the project provided documentation of the handling of each sample from the time of collection until completion of laboratory analysis. A COC form serves as a legal record of possession of the sample. A sample is considered to be under custody if one or more of the following criteria are met: the sample is in the sampler's possession; the sample is in the sampler's view after being in possession; the sample was in the sampler's possession and then was placed into a locked area to prevent tampering; and/or the sample is in a designated secure area. Custody was documented throughout the project field sampling activities by a chain-of custody form initiated each day during which samples are collected. Container custody seals placed on either individual samples or on the rigid body container were used to ensure that no sample tampering occurs between the time the samples are placed into the containers and the time the containers are opened for analysis at the laboratory. Container custody seals were signed and dated by the individual responsible for completing the COC form contained within the container.

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APPENDIX D LABORATORY ANALYTICAL REPORTS



August 20, 2020

Lynn A. Acosta 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: clients.hallenvironmental.com

RE: CDU 76

OrderNo.: 2008880

Dear Lynn A. Acosta:

Hall Environmental Analysis Laboratory received 10 sample(s) on 8/14/2020 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,

Ander

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2008880

Date Reported: 8/20/2020

| CLIENT: Souder, Miller & Associates Project: CDU 76 | | | ient Sample II Collection Date | | 12/2020 9:00:00 AM | |
|--|--------------|----------|-----------------------------------|--------|----------------------|-------|
| Lab ID: 2008880-001 | Matrix: SOIL | | Received Date | e: 8/1 | 14/2020 8:00:00 AM | |
| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch |
| EPA METHOD 300.0: ANIONS | | | | | Analyst | CAS |
| Chloride | 250 | 60 | mg/Kg | 20 | 8/19/2020 1:22:40 PM | 54531 |
| EPA METHOD 8015M/D: DIESEL RANGE | ORGANICS | | | | Analyst | BRM |
| Diesel Range Organics (DRO) | ND | 9.7 | mg/Kg | 1 | 8/19/2020 8:06:15 PM | 54512 |
| Motor Oil Range Organics (MRO) | ND | 48 | mg/Kg | 1 | 8/19/2020 8:06:15 PM | 54512 |
| Surr: DNOP | 73.4 | 30.4-154 | %Rec | 1 | 8/19/2020 8:06:15 PM | 54512 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst | NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | mg/Kg | 1 | 8/18/2020 4:40:41 PM | 54485 |
| Surr: BFB | 98.4 | 75.3-105 | %Rec | 1 | 8/18/2020 4:40:41 PM | 54485 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | NSB |
| Benzene | ND | 0.025 | mg/Kg | 1 | 8/18/2020 4:40:41 PM | 54485 |
| Toluene | ND | 0.049 | mg/Kg | 1 | 8/18/2020 4:40:41 PM | 54485 |
| Ethylbenzene | ND | 0.049 | mg/Kg | 1 | 8/18/2020 4:40:41 PM | 54485 |
| Xylenes, Total | ND | 0.099 | mg/Kg | 1 | 8/18/2020 4:40:41 PM | 54485 |
| Surr: 4-Bromofluorobenzene | 103 | 80-120 | %Rec | 1 | 8/18/2020 4:40:41 PM | 54485 |

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

- 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
- Page 1 of 14

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

Lab Order 2008880

Date Reported: 8/20/2020

| CLIENT: Souder, Miller & Associates | | | ient Sample II | | | |
|---|--------------|--|----------------|----|----------------------|-------|
| Project: CDU 76 Lab ID: 2008880-002 | Matrix: SOIL | Collection Date: 8/12/2020 9:50:00 AN Matrix: SOIL Received Date: 8/14/2020 8:00:00 AN | | | | |
| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch |
| EPA METHOD 300.0: ANIONS | | | | | Analyst | CAS |
| Chloride | ND | 60 | mg/Kg | 20 | 8/19/2020 1:35:00 PM | 54531 |
| EPA METHOD 8015M/D: DIESEL RANGE | E ORGANICS | | | | Analyst | BRM |
| Diesel Range Organics (DRO) | ND | 10 | mg/Kg | 1 | 8/19/2020 8:16:25 PM | 54512 |
| Motor Oil Range Organics (MRO) | ND | 50 | mg/Kg | 1 | 8/19/2020 8:16:25 PM | 54512 |
| Surr: DNOP | 94.4 | 30.4-154 | %Rec | 1 | 8/19/2020 8:16:25 PM | 54512 |
| EPA METHOD 8015D: GASOLINE RANG | E | | | | Analyst | NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | mg/Kg | 1 | 8/18/2020 5:51:24 PM | 54485 |
| Surr: BFB | 95.4 | 75.3-105 | %Rec | 1 | 8/18/2020 5:51:24 PM | 54485 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | : NSB |
| Benzene | ND | 0.024 | mg/Kg | 1 | 8/18/2020 5:51:24 PM | 54485 |
| Toluene | ND | 0.049 | mg/Kg | 1 | 8/18/2020 5:51:24 PM | 54485 |
| Ethylbenzene | ND | 0.049 | mg/Kg | 1 | 8/18/2020 5:51:24 PM | 54485 |
| Xylenes, Total | ND | 0.098 | mg/Kg | 1 | 8/18/2020 5:51:24 PM | 54485 |
| Surr: 4-Bromofluorobenzene | 101 | 80-120 | %Rec | 1 | 8/18/2020 5:51:24 PM | 54485 |

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 Η
- 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

- 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

Page 2 of 14

| Hall | Environmenta | l Anal | ysis | Laborat | ory, Inc. |
|------|--------------|--------|------|---------|-----------|
| | | | | | |

Lab Order 2008880

Date Reported: 8/20/2020

| CLIENT: Souder, Miller & Associates Project: CDU 76 Lab ID: 2008880-003 | Matrix: SOIL | | | e: 8/1 | - 12/2020 9:10:00 AM 14/2020 8:00:00 AM | |
|---|--------------|----------|------------|--------|---|-------|
| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: | CAS |
| Chloride | 170 | 60 | mg/Kg | 20 | 8/19/2020 1:47:21 PM | 54531 |
| EPA METHOD 8015M/D: DIESEL RANGE | ORGANICS | | | | Analyst: | BRM |
| Diesel Range Organics (DRO) | ND | 9.5 | mg/Kg | 1 | 8/19/2020 8:26:38 PM | 54512 |
| Motor Oil Range Organics (MRO) | ND | 48 | mg/Kg | 1 | 8/19/2020 8:26:38 PM | 54512 |
| Surr: DNOP | 83.5 | 30.4-154 | %Rec | 1 | 8/19/2020 8:26:38 PM | 54512 |
| EPA METHOD 8015D: GASOLINE RANGE | E | | | | Analyst: | NSB |
| Gasoline Range Organics (GRO) | ND | 4.6 | mg/Kg | 1 | 8/18/2020 7:02:03 PM | 54485 |
| Surr: BFB | 99.3 | 75.3-105 | %Rec | 1 | 8/18/2020 7:02:03 PM | 54485 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: | NSB |
| Benzene | ND | 0.023 | mg/Kg | 1 | 8/18/2020 7:02:03 PM | 54485 |
| Toluene | ND | 0.046 | mg/Kg | 1 | 8/18/2020 7:02:03 PM | 54485 |
| Ethylbenzene | ND | 0.046 | mg/Kg | 1 | 8/18/2020 7:02:03 PM | 54485 |
| Xylenes, Total | ND | 0.091 | mg/Kg | 1 | 8/18/2020 7:02:03 PM | 54485 |
| Surr: 4-Bromofluorobenzene | 104 | 80-120 | %Rec | 1 | 8/18/2020 7:02:03 PM | 54485 |

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

- 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
- Page 3 of 14

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2008880

Date Reported: 8/20/2020

| CLIENT: Souder, Miller & Associates | | Cl | ient Sample II | D: S2 | -0.5' | |
|-------------------------------------|--|----------|---------------------|---------------|----------------------|-------|
| Project: CDU 76 | Collection Date: 8/12/2020 10:00:00 AM | | | | | |
| Lab ID: 2008880-004 | Matrix: SOIL | | Received Dat | e: 8/1 | 14/2020 8:00:00 AM | |
| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: | CAS |
| Chloride | ND | 60 | mg/Kg | 20 | 8/19/2020 1:59:42 PM | 54531 |
| EPA METHOD 8015M/D: DIESEL RANGE | ORGANICS | | | | Analyst: | BRM |
| Diesel Range Organics (DRO) | ND | 9.2 | mg/Kg | 1 | 8/19/2020 8:36:50 PM | 54512 |
| Motor Oil Range Organics (MRO) | ND | 46 | mg/Kg | 1 | 8/19/2020 8:36:50 PM | 54512 |
| Surr: DNOP | 70.4 | 30.4-154 | %Rec | 1 | 8/19/2020 8:36:50 PM | 54512 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst: | NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | mg/Kg | 1 | 8/18/2020 8:12:30 PM | 54485 |
| Surr: BFB | 97.9 | 75.3-105 | %Rec | 1 | 8/18/2020 8:12:30 PM | 54485 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: | NSB |
| Benzene | ND | 0.024 | mg/Kg | 1 | 8/18/2020 8:12:30 PM | 54485 |
| Toluene | ND | 0.048 | mg/Kg | 1 | 8/18/2020 8:12:30 PM | 54485 |
| Ethylbenzene | ND | 0.048 | mg/Kg | 1 | 8/18/2020 8:12:30 PM | 54485 |
| Xylenes, Total | ND | 0.096 | mg/Kg | 1 | 8/18/2020 8:12:30 PM | 54485 |
| Surr: 4-Bromofluorobenzene | 104 | 80-120 | %Rec | 1 | 8/18/2020 8:12:30 PM | 54485 |

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 Η
- 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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2008880

Date Reported: 8/20/2020

| CLIENT: Souder, Miller & Associates Project: CDU 76 | | | ient Sample II Collection Dat | | 12/2020 9:20:00 AM | |
|--|--------------|----------|----------------------------------|---------------|----------------------|-------|
| Lab ID: 2008880-005 | Matrix: SOIL | | Received Dat | e: 8/1 | 14/2020 8:00:00 AM | |
| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch |
| EPA METHOD 300.0: ANIONS | | | | | Analyst | CAS |
| Chloride | 190 | 60 | mg/Kg | 20 | 8/19/2020 2:12:03 PM | 54531 |
| EPA METHOD 8015M/D: DIESEL RANGE | ORGANICS | | | | Analyst | BRM |
| Diesel Range Organics (DRO) | ND | 9.3 | mg/Kg | 1 | 8/19/2020 8:46:59 PM | 54512 |
| Motor Oil Range Organics (MRO) | 53 | 47 | mg/Kg | 1 | 8/19/2020 8:46:59 PM | 54512 |
| Surr: DNOP | 97.3 | 30.4-154 | %Rec | 1 | 8/19/2020 8:46:59 PM | 54512 |
| EPA METHOD 8015D: GASOLINE RANGE | E | | | | Analyst | NSB |
| Gasoline Range Organics (GRO) | ND | 4.7 | mg/Kg | 1 | 8/18/2020 8:35:56 PM | 54485 |
| Surr: BFB | 96.6 | 75.3-105 | %Rec | 1 | 8/18/2020 8:35:56 PM | 54485 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | NSB |
| Benzene | ND | 0.023 | mg/Kg | 1 | 8/18/2020 8:35:56 PM | 54485 |
| Toluene | ND | 0.047 | mg/Kg | 1 | 8/18/2020 8:35:56 PM | 54485 |
| Ethylbenzene | ND | 0.047 | mg/Kg | 1 | 8/18/2020 8:35:56 PM | 54485 |
| Xylenes, Total | ND | 0.094 | mg/Kg | 1 | 8/18/2020 8:35:56 PM | 54485 |
| Surr: 4-Bromofluorobenzene | 102 | 80-120 | %Rec | 1 | 8/18/2020 8:35:56 PM | 54485 |

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

- 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

Page 5 of 14

| Hall Environmental Analysis Laboratory, Inc | Hall | Enviro | nmental | Anal | vsis | Labo | oratory, | Inc |
|---|------|--------|---------|------|------|------|----------|-----|
|---|------|--------|---------|------|------|------|----------|-----|

Lab Order 2008880

| Date Reported: | 8/20/2020 |
|----------------|-----------|
|----------------|-----------|

| CLIENT: Souder, Miller & Associates Project: CDU 76 | Client Sample ID: S3-0.5' Collection Date: 8/12/2020 10:10:00 AM | | | | | | | | | | |
|--|---|--|------------|----|----------------------|-------|--|--|--|--|--|
| Lab ID: 2008880-006 | Matrix: SOIL | Received Date: 8/14/2020 8:00:00 AM | | | | | | | | | |
| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch | | | | | |
| EPA METHOD 300.0: ANIONS | | | | | Analyst | CAS | | | | | |
| Chloride | ND | 60 | mg/Kg | 20 | 8/19/2020 2:24:24 PM | 54531 | | | | | |
| EPA METHOD 8015M/D: DIESEL RANGE | ORGANICS | | | | Analyst | BRM | | | | | |
| Diesel Range Organics (DRO) | ND | 9.3 | mg/Kg | 1 | 8/19/2020 8:57:12 PM | 54512 | | | | | |
| Motor Oil Range Organics (MRO) | ND | 46 | mg/Kg | 1 | 8/19/2020 8:57:12 PM | 54512 | | | | | |
| Surr: DNOP | 87.2 | 30.4-154 | %Rec | 1 | 8/19/2020 8:57:12 PM | 54512 | | | | | |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst | NSB | | | | | |
| Gasoline Range Organics (GRO) | ND | 4.7 | mg/Kg | 1 | 8/18/2020 8:59:20 PM | 54485 | | | | | |
| Surr: BFB | 96.3 | 75.3-105 | %Rec | 1 | 8/18/2020 8:59:20 PM | 54485 | | | | | |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | : NSB | | | | | |
| Benzene | ND | 0.024 | mg/Kg | 1 | 8/18/2020 8:59:20 PM | 54485 | | | | | |
| Toluene | ND | 0.047 | mg/Kg | 1 | 8/18/2020 8:59:20 PM | 54485 | | | | | |
| Ethylbenzene | ND | 0.047 | mg/Kg | 1 | 8/18/2020 8:59:20 PM | 54485 | | | | | |
| Xylenes, Total | ND | 0.095 | mg/Kg | 1 | 8/18/2020 8:59:20 PM | 54485 | | | | | |
| Surr: 4-Bromofluorobenzene | 102 | 80-120 | %Rec | 1 | 8/18/2020 8:59:20 PM | 54485 | | | | | |

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical 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

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Surr: 4-Bromofluorobenzene

Analytical Report Lab Order 2008880

8/18/2020 9:22:47 PM 54485

Hall Environmental Analysis Laboratory, Inc.

| Hall Environmental Analys | is Laboratory, | Inc. | | | Date Reported: 8/20/20 | 20 | | | | | | | |
|--|----------------|---|------------|----|------------------------|-------|--|--|--|--|--|--|--|
| CLIENT: Souder, Miller & Associates Project: CDU 76 | | Client Sample ID: S4 Collection Date: 8/12/2020 9:30:00 AM | | | | | | | | | | | |
| Lab ID: 2008880-007 | Matrix: SOIL | 4/2020 8:00:00 AM | | | | | | | | | | | |
| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch | | | | | | | |
| EPA METHOD 300.0: ANIONS | | | | | Analyst | CAS | | | | | | | |
| Chloride | 210 | 60 | mg/Kg | 20 | 8/19/2020 3:01:25 PM | 54531 | | | | | | | |
| EPA METHOD 8015M/D: DIESEL RANG | GE ORGANICS | | | | Analyst | BRM | | | | | | | |
| Diesel Range Organics (DRO) | ND | 9.0 | mg/Kg | 1 | 8/19/2020 9:07:17 PM | 54512 | | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 45 | mg/Kg | 1 | 8/19/2020 9:07:17 PM | 54512 | | | | | | | |
| Surr: DNOP | 83.2 | 30.4-154 | %Rec | 1 | 8/19/2020 9:07:17 PM | 54512 | | | | | | | |
| EPA METHOD 8015D: GASOLINE RAN | IGE | | | | Analyst | : NSB | | | | | | | |
| Gasoline Range Organics (GRO) | ND | 4.7 | mg/Kg | 1 | 8/18/2020 9:22:47 PM | 54485 | | | | | | | |
| Surr: BFB | 98.5 | 75.3-105 | %Rec | 1 | 8/18/2020 9:22:47 PM | 54485 | | | | | | | |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | : NSB | | | | | | | |
| Benzene | ND | 0.024 | mg/Kg | 1 | 8/18/2020 9:22:47 PM | 54485 | | | | | | | |
| Toluene | ND | 0.047 | mg/Kg | 1 | 8/18/2020 9:22:47 PM | 54485 | | | | | | | |
| Ethylbenzene | ND | 0.047 | mg/Kg | 1 | 8/18/2020 9:22:47 PM | 54485 | | | | | | | |
| Xylenes, Total | ND | 0.095 | mg/Kg | 1 | 8/18/2020 9:22:47 PM | 54485 | | | | | | | |
| | | | | | | | | | | | | | |

102

80-120

%Rec

1

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 Η 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

- 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, Inc.

Lab Order 2008880

Date Reported: 8/20/2020

| CLIENT: Souder, Miller & Associates | Client Sample ID: S4-0.5' | | | | | | | | | |
|-------------------------------------|--|----------|----------------|--------|----------------------|-------|--|--|--|--|
| Project: CDU 76 | | (| Collection Dat | e: 8/1 | 12/2020 10:20:00 AM | | | | | |
| Lab ID: 2008880-008 | Matrix: SOIL Received Date: 8/14/2020 8:00:00 AM | | | | | | | | | |
| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch | | | | |
| EPA METHOD 300.0: ANIONS | | | | | Analyst | CAS | | | | |
| Chloride | 100 | 59 | mg/Kg | 20 | 8/19/2020 3:13:46 PM | 54531 | | | | |
| EPA METHOD 8015M/D: DIESEL RANGE | ORGANICS | | | | Analyst | BRM | | | | |
| Diesel Range Organics (DRO) | ND | 9.6 | mg/Kg | 1 | 8/19/2020 9:17:27 PM | 54512 | | | | |
| Motor Oil Range Organics (MRO) | 50 | 48 | mg/Kg | 1 | 8/19/2020 9:17:27 PM | 54512 | | | | |
| Surr: DNOP | 78.3 | 30.4-154 | %Rec | 1 | 8/19/2020 9:17:27 PM | 54512 | | | | |
| EPA METHOD 8015D: GASOLINE RANGE | 1 | | | | Analyst | NSB | | | | |
| Gasoline Range Organics (GRO) | ND | 4.7 | mg/Kg | 1 | 8/18/2020 9:46:11 PM | 54485 | | | | |
| Surr: BFB | 94.3 | 75.3-105 | %Rec | 1 | 8/18/2020 9:46:11 PM | 54485 | | | | |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | NSB | | | | |
| Benzene | ND | 0.023 | mg/Kg | 1 | 8/18/2020 9:46:11 PM | 54485 | | | | |
| Toluene | ND | 0.047 | mg/Kg | 1 | 8/18/2020 9:46:11 PM | 54485 | | | | |
| Ethylbenzene | ND | 0.047 | mg/Kg | 1 | 8/18/2020 9:46:11 PM | 54485 | | | | |
| Xylenes, Total | ND | 0.093 | mg/Kg | 1 | 8/18/2020 9:46:11 PM | 54485 | | | | |
| Surr: 4-Bromofluorobenzene | 99.9 | 80-120 | %Rec | 1 | 8/18/2020 9:46:11 PM | 54485 | | | | |

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical 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

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Surr: DNOP

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

EPA METHOD 8015D: GASOLINE RANGE

Gasoline Range Organics (GRO)

Surr: 4-Bromofluorobenzene

EPA METHOD 8021B: VOLATILES

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2008880 Date Reported: 8/20/2020

8/19/2020 9:27:33 PM

8/18/2020 10:09:35 PM 54485

54512

Analyst: NSB

Analyst: NSB

| | | | | Date Reported. 0/20/20. | 20 | | | | | | |
|------------------------------------|--------------|---------------------------------------|------------|-------------------------|----------------------|-------|--|--|--|--|--|
| CLIENT: Souder, Miller & Associate | 8 | Client Sample ID: S5 | | | | | | | | | |
| Project: CDU 76 | | Collection Date: 8/12/2020 9:40:00 AM | | | | | | | | | |
| Lab ID: 2008880-009 | Matrix: SOIL | Re | ceived Dat | e: 8/1 | 4/2020 8:00:00 AM | | | | | | |
| Analyses | Result | RL Qu | al Units | DF | Date Analyzed | Batch | | | | | |
| EPA METHOD 300.0: ANIONS | | | | | Analyst | CAS | | | | | |
| Chloride | 170 | 59 | mg/Kg | 20 | 8/19/2020 3:26:07 PM | 54531 | | | | | |
| EPA METHOD 8015M/D: DIESEL RA | NGE ORGANICS | | | | Analyst | BRM | | | | | |
| Diesel Range Organics (DRO) | ND | 9.8 | mg/Kg | 1 | 8/19/2020 9:27:33 PM | 54512 | | | | | |
| Motor Oil Range Organics (MRO) | 76 | 49 | mg/Kg | 1 | 8/19/2020 9:27:33 PM | 54512 | | | | | |

30.4-154

75.3-105

0.025

0.050

0.050

0.099

80-120

5.0

%Rec

mg/Kg

%Rec

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

1

1

1

1

1

1

1

1

86.6

ND

97.4

ND

ND

ND

ND

102

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

- 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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. Released to Imaging: 1/25/2023 7:23:45 AM

| Hall Environmental Analysis Laboratory, Inc | Hall | Environmenta | al Analysi | s Laboratory | , Inc. |
|---|------|--------------|------------|--------------|--------|
|---|------|--------------|------------|--------------|--------|

Lab Order 2008880

Date Reported: 8/20/2020

| CLIENT: Souder, Miller & Associates Project: CDU 76 | | | ient Sample II Collection Dat | | -0.5' 2/2020 10:30:00 AM | | | | | |
|---|--------------|--|----------------------------------|----|-----------------------------|-------|--|--|--|--|
| Lab ID: 2008880-010 | Matrix: SOIL | Received Date: 8/14/2020 8:00:00 AM | | | | | | | | |
| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch | | | | |
| EPA METHOD 300.0: ANIONS | | | | | Analyst | CAS | | | | |
| Chloride | ND | 61 | mg/Kg | 20 | 8/19/2020 3:38:27 PM | 54531 | | | | |
| EPA METHOD 8015M/D: DIESEL RANGE | ORGANICS | | | | Analyst | BRM | | | | |
| Diesel Range Organics (DRO) | ND | 8.8 | mg/Kg | 1 | 8/19/2020 9:37:37 PM | 54512 | | | | |
| Motor Oil Range Organics (MRO) | 69 | 44 | mg/Kg | 1 | 8/19/2020 9:37:37 PM | 54512 | | | | |
| Surr: DNOP | 102 | 30.4-154 | %Rec | 1 | 8/19/2020 9:37:37 PM | 54512 | | | | |
| EPA METHOD 8015D: GASOLINE RANG | E | | | | Analyst | NSB | | | | |
| Gasoline Range Organics (GRO) | ND | 4.6 | mg/Kg | 1 | 8/18/2020 10:32:57 PM | 54485 | | | | |
| Surr: BFB | 96.2 | 75.3-105 | %Rec | 1 | 8/18/2020 10:32:57 PM | 54485 | | | | |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | NSB | | | | |
| Benzene | ND | 0.023 | mg/Kg | 1 | 8/18/2020 10:32:57 PM | 54485 | | | | |
| Toluene | ND | 0.046 | mg/Kg | 1 | 8/18/2020 10:32:57 PM | 54485 | | | | |
| Ethylbenzene | ND | 0.046 | mg/Kg | 1 | 8/18/2020 10:32:57 PM | 54485 | | | | |
| Xylenes, Total | ND | 0.091 | mg/Kg | 1 | 8/18/2020 10:32:57 PM | 54485 | | | | |
| Surr: 4-Bromofluorobenzene | 101 | 80-120 | %Rec | 1 | 8/18/2020 10:32:57 PM | 54485 | | | | |

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 Η 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

- 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

Page 10 of 14

| Client: Project: | Souder, 1 CDU 76 | Miller & A | ssociate | es | | | | | | | |
|---------------------|---------------------|------------|------------------|-----------|-------------|-----------|-----------|--------------|------|----------|------|
| Sample ID: MB | -54531 | Samp | Type: m t | olk | Tes | tCode: EF | PA Method | 300.0: Anion | s | | |
| Client ID: PBS | S | Batc | h ID: 54 | 531 | F | RunNo: 71 | 209 | | | | |
| Prep Date: 8/* | 19/2020 | Analysis [| Date: 8 / | 19/2020 | S | SeqNo: 24 | 184201 | 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 | 6-54531 | Samp | Type: Ics | ; | Tes | tCode: EF | PA Method | 300.0: Anion | s | | |
| Client ID: LCS | SS | Batc | h ID: 54 | 531 | F | RunNo: 71 | 1209 | | | | |
| Prep Date: 8/* | 19/2020 | Analysis [| Date: 8 / | 19/2020 | 5 | SeqNo: 24 | 184202 | Units: mg/K | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | | 14 | 1.5 | 15.00 | 0 | 92.7 | 90 | 110 | | | |

Qualifiers:

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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

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20-Aug-20

WO#:

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| Client: Soude Project: CDU | er, Miller & As 76 | ssociate | S | | | | | | | |
|--------------------------------|-----------------------|------------------|-----------|-------------|-----------|-----------|--------------------|-----------|------------|------|
| Sample ID: LCS-54512 | SampT | ype: LC | S | Tes | tCode: EF | PA Method | 8015M/D: Die | esel Rang | e Organics | |
| Client ID: LCSS | Batch | n ID: 54 | 512 | F | RunNo: 7 | 197 | | | | |
| Prep Date: 8/18/2020 | Analysis D | 0ate: 8 / | 19/2020 | S | SeqNo: 24 | 183610 | Units: mg/K | g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 54 | 10 | 50.00 | 0 | 107 | 70 | 130 | | | |
| Surr: DNOP | 4.7 | | 5.000 | | 93.2 | 30.4 | 154 | | | |
| Sample ID: MB-54512 | SampT | ype: ME | BLK | Tes | tCode: EF | PA Method | 8015M/D: Die | esel Rang | e Organics | |
| Client ID: PBS | Batch | n ID: 54 | 512 | F | RunNo: 7 | 197 | | | | |
| Prep Date: 8/18/2020 | Analysis D |)ate: 8 / | 19/2020 | 5 | SeqNo: 24 | 483614 | Units: mg/K | g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | ND | 10 | | | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 50 | | | | | | | | |
| Surr: DNOP | 10 | | 10.00 | | 102 | 30.4 | 154 | | | |

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

Page 12 of 14

2008880

20-Aug-20

WO#:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| Client: Project: | Souder, N CDU 76 | /liller & As | sociate | es | | | | | | | |
|--|---|--|--|--|--|---|--|---|------------------------|---------------|-----------|
| Sample ID: | : mb-54485 | SampTy | /pe: ME | 3LK | Tes | tCode: El | PA Method | 8015D: Gaso | line Rang | e | |
| Client ID: | PBS | Batch | ID: 54 | 485 | F | RunNo: 7 | 1140 | | | | |
| Prep Date: | 8/17/2020 | Analysis Da | ate: 8 / | 18/2020 | S | SeqNo: 2 | 481489 | Units: mg/K | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Ranç Surr: BFB | ge Organics (GRO) | ND 1000 | 5.0 | 1000 | | 99.6 | 75.3 | 105 | | | |
| Sample ID: | Ics-54485 | SampTy | /pe: LC | s | Tes | tCode: El | PA Method | 8015D: Gaso | line Rang | e | |
| Client ID: | LCSS | Batch | ID: 54 | 485 | F | RunNo: 7 | 1140 | | | | |
| Prep Date: | 8/17/2020 | Analysis Da | ate: 8 / | 18/2020 | S | SeqNo: 2 | 481490 | Units: mg/K | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| | ge Organics (GRO) | 22 | 5.0 | 25.00 | 0 | 88.6 | 72.5 | 106 | | | |
| | | | | | | | 75.0 | | | | |
| Surr: BFB | | 1100 | | 1000 | | 110 | 75.3 | 105 | | | S |
| | 2008880-001ams | SampTy | /pe: M \$ | | Tes | - | | 105 8015D: Gaso | line Rang | e | S |
| | | SampTy | /pe: M \$ ID: 54 | 6 | | - | PA Method | | line Rang | e | 5 |
| Sample ID: Client ID: | | SampTy | ID: 54 | 3 485 | F | tCode: El | PA Method 1140 | | - | e | 5 |
| Sample ID: Client ID: | S1 | SampTy Batch | ID: 54 | 5 485 18/2020 | F | tCode: El RunNo: 7 | PA Method 1140 | 8015D: Gaso | - | e RPDLimit | Qual |
| Sample ID: Client ID: Prep Date: Analyte | S1 | SampTy Batch Analysis Da | ID: 54 ate: 8 / | 5 485 18/2020 | F | tCode: El RunNo: 7 SeqNo: 2 | PA Method 1140 481492 | 8015D: Gaso Units: mg/K | g | | |
| Sample ID: Client ID: Prep Date: Analyte | S1 8/17/2020 | SampTy Batch Analysis Da Result | ID: 54 . ate: 8 / PQL | 5 485 18/2020 SPK value | F S SPK Ref Val | tCode: El RunNo: 7 SeqNo: 2 %REC | PA Method 1140 481492 LowLimit | 8015D: Gaso Units: mg/K HighLimit | g | | |
| Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB | S1 8/17/2020 | SampTy Batch Analysis Da Result 20 1000 | ID: 54 . ate: 8 / PQL 4.7 | 3 485 18/2020 SPK value 23.54 941.6 | F S SPK Ref Val 0 | tCode: El RunNo: 7 SeqNo: 2 %REC 86.6 106 | PA Method 1140 481492 LowLimit 61.3 75.3 | 8015D: Gaso Units: mg/K HighLimit 114 | g %RPD | RPDLimit | Qual |
| Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB | S1 8/17/2020 ge Organics (GRO) | SampTy Batch Analysis Da Result 20 1000 | ID: 54 . ate: 8 / PQL 4.7 | S 485 18/2020 SPK value 23.54 941.6 SD | F SPK Ref Val 0 Tes | tCode: El RunNo: 7 SeqNo: 2 %REC 86.6 106 | PA Method 1140 481492 LowLimit 61.3 75.3 PA Method | 8015D: Gaso Units: mg/K HighLimit 114 105 | g %RPD | RPDLimit | Qual |
| Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: | S1 8/17/2020 ge Organics (GRO) | SampTy Batch Analysis Da Result 20 1000 | ID: 54 ate: 8 / PQL 4.7 (pe: M\$ ID: 54 | S 485 18/2020 SPK value 23.54 941.6 SD 485 | F S SPK Ref Val 0 Tes F | tCode: EI RunNo: 7 SeqNo: 2 %REC 86.6 106 tCode: EI | PA Method 1140 481492 LowLimit 61.3 75.3 PA Method 1140 | 8015D: Gaso Units: mg/K HighLimit 114 105 | g %RPD | RPDLimit | Qual |
| Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: | S1 8/17/2020 ge Organics (GRO) : 2008880-001amsd S1 | SampTy Batch Analysis Da Result 20 1000 I SampTy Batch | ID: 54 ate: 8 / PQL 4.7 (pe: M\$ ID: 54 | S 485 18/2020 SPK value 23.54 941.6 SD 485 18/2020 | F S SPK Ref Val 0 Tes F | tCode: El RunNo: 7 SeqNo: 2 %REC 86.6 106 tCode: El RunNo: 7 | PA Method 1140 481492 LowLimit 61.3 75.3 PA Method 1140 | 8015D: Gaso Units: mg/K HighLimit 114 105 8015D: Gaso | g %RPD | RPDLimit | Qual |
| Sample ID: Client ID: Prep Date: Analyte Gasoline Rang Surr: BFB Sample ID: Client ID: Prep Date: Analyte | S1 8/17/2020 ge Organics (GRO) : 2008880-001amsd S1 | SampTy Batch Analysis Da Result 20 1000 I SampTy Batch Analysis Da | ID: 54 ate: 8/ PQL 4.7 /pe: M\$ ID: 54 ate: 8 / | S 485 18/2020 SPK value 23.54 941.6 SD 485 18/2020 | F SPK Ref Val 0 Tes F | tCode: El RunNo: 7 SeqNo: 2 %REC 86.6 106 tCode: El RunNo: 7 SeqNo: 2 | PA Method 1140 481492 61.3 75.3 PA Method 1140 481493 | 8015D: Gaso Units: mg/K HighLimit 114 105 8015D: Gaso Units: mg/K | g %RPD line Rang | RPDLimit e | Qual S |

Qualifiers:

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ND Not Detected at the Reporting Limit

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- P Sample pH Not In Range

RL Reporting Limit

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20-Aug-20

WO#:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| Client: Project: | Souder, N CDU 76 | /iller & A | ssociate | es | | | | | | | |
|--------------------------------|---------------------|-------------|------------------|-----------------|-------------|-------------------|-----------|--------------|--------|----------|------|
| Sample ID: r | mb-54485 | SampT | Гуре: МЕ | BLK | Tes | tCode: EF | PA Method | 8021B: Vola | tiles | | |
| Client ID: | PBS | Batcl | h ID: 54 | 485 | F | RunNo: 7 | 1140 | | | | |
| Prep Date: | 8/17/2020 | Analysis E | Date: 8 / | 18/2020 | S | SeqNo: 24 | 481537 | 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-Bromo | fluorobenzene | 1.0 | | 1.000 | | 102 | 80 | 120 | | | |
| Sample ID: I | LCS-54485 | Samp1 | Гуре: LC | S | Tes | tCode: EF | PA Method | 8021B: Vola | tiles | | |
| Client ID: | LCSS | Batcl | h ID: 54 | 485 | F | RunNo: 7 ′ | 1140 | | | | |
| Prep Date: | 8/17/2020 | Analysis E | Date: 8 / | 18/2020 | S | SeqNo: 24 | 481538 | Units: mg/k | ٢g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | | 0.92 | 0.025 | 1.000 | 0 | 92.0 | 80 | 120 | | | |
| Toluene | | 0.93 | 0.050 | 1.000 | 0 | 93.3 | 80 | 120 | | | |
| Ethylbenzene | | 0.94 | 0.050 | 1.000 | 0 | 93.5 | 80 | 120 | | | |
| Xylenes, Total | | 2.8 | 0.10 | 3.000 | 0 | 93.9 | 80 | 120 | | | |
| Surr: 4-Bromo | fluorobenzene | 1.0 | | 1.000 | | 102 | 80 | 120 | | | |
| Sample ID: | 2008880-002ams | SampT | Гуре: МS | 3 | Tes | tCode: EF | PA Method | 8021B: Vola | tiles | | |
| Client ID: | S1-0.5' | Batcl | h ID: 54 | 485 | F | RunNo: 7 | 1140 | | | | |
| Prep Date: | 8/17/2020 | Analysis E | Date: 8 / | 18/2020 | S | SeqNo: 24 | 481541 | Units: mg/k | ٢g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | | 0.92 | 0.024 | 0.9625 | 0 | 95.5 | 76.3 | 120 | | | |
| Toluene | | 0.94 | 0.048 | 0.9625 | 0.01114 | 96.1 | 78.5 | 120 | | | |
| Ethylbenzene | | 0.95 | 0.048 | 0.9625 | 0 | 99.0 | 78.1 | 124 | | | |
| Xylenes, Total | | 2.9 | 0.096 | 2.887 | 0.01603 | 98.5 | 79.3 | 125 | | | |
| Surr: 4-Bromo | ofluorobenzene | 0.98 | | 0.9625 | | 102 | 80 | 120 | | | |
| Sample ID: | 2008880-002amsd | SampT | Гуре: М | SD | Tes | tCode: EF | PA Method | 8021B: Volat | tiles | | |
| Client ID: | S1-0.5' | Batcl | h ID: 54 | 485 | F | RunNo: 7' | 1140 | | | | |
| Prep Date: | 8/17/2020 | Analysis E | Date: 8 / | 18/2020 | S | SeqNo: 24 | 481542 | Units: mg/k | ٢g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | | 0.93 | 0.023 | 0.9390 | 0 | 98.8 | 76.3 | 120 | 0.945 | 20 | |
| Toluene | | 0.94 | 0.047 | 0.9390 | 0.01114 | 99.1 | 78.5 | 120 | 0.597 | 20 | |
| | | | | 0 0000 | 0 | 100 | 70.4 | 124 | 0.0612 | 20 | |
| | | 0.95 | 0.047 | 0.9390 | 0 | 102 | 78.1 | 124 | 0.0012 | 20 | |
| Ethylbenzene Xylenes, Total | | 0.95 2.9 | 0.047 0.094 | 0.9390 2.817 | 0.01603 | 102 | 70.1 | 124 | 0.0529 | 20 | |

Qualifiers:

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- 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

2008880

20-Aug-20

WO#:

| ANALYSIS | Hall Environmental Albu TEL: 505-345-3975 Website: clients.hau | 4901 . querque FAX: 50 | Hawkins NE , NM 87109 5-345-4107 | Sai | Page 3 |
|---|---|--|--|--|--|
| Associates | Vork Order Number: 名・1 U・ング | 20088 P | 80 2 | | RcptNo: 1 |
| Received By: Cheyenne Cason 8/1 | 3/2020 11:30:00 AN | | DC grine | | |
| Completed By: Leah Baca 8/1 | 7/2020 1:11:21 PM | | • · · / a | L Bas | en al anti- |
| Reviewed By: EM 8/17/20 | | | / | ·• | |
| Chain of Custody | 1 | | | 43 | |
| 1. Is Chain of Custody complete? | | Yes | | No 🗌 | Not Present |
| 2. How was the sample delivered? | | <u>Courie</u> | <u>[</u> | | |
| Log In 3. Was an attempt made to cool the samples? | | Yes 🛛 | | No 🗌 | NA 🗌 |
| 4. Were all samples received at a temperature of >0 | ° C to 6.0°C | Yes | 2 | No 🗌 | NA 🗌 |
| 5. Sample(s) in proper container(s)? | | Yes | 1 | No 🗌 | |
| 6. Sufficient sample volume for indicated test(s)? | | Yes 🔽 | ۲ I | lo 🗌 | 1 |
| 7. Are samples (except VOA and ONG) properly pres | served? | Yes 🔽 |) N | lo 🗌 | |
| 8. Was preservative added to bottles? | | Yes [|) N | lo 🗹 | NA 🗌 |
| 9. Received at least 1 vial with headspace <1/4" for A | Q VOA? | Yes 🗌 | | lo 🗌 | NA 🗹 |
| 10. Were any sample containers received broken? | | Yes 🗌 | ו | No 🗹 | # of preserved |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | | Yes 🔽 | 1 | lo 🗌 | bottles checked for pH: (<2 or >12 unless noted) |
| 12. Are matrices correctly identified on Chain of Custo | dy? | Yes 🔽 | ' N | lo 🗌 | Adjusted? |
| 13. Is it clear what analyses were requested? | | Yes 🔽 | | lo 🗌 | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | | Yes 🔽 | | lo 🗌 | enecked by: 5PA 8.17 |
| Special Handling (if applicable) | | | 12 | | ж. ж |
| 15. Was client notified of all discrepancies with this of | der? | Yes [| - I | No 🗌 | |
| Person Notified: | Date: | 995599 4 | | | |
| By Whom: | Via: |] eMail | Phone | 🗌 Fax | In Person |
| Regarding: Client Instructions: | n an | and and a subsection of the su | | an a | negaty or "substances and and the constraints of th |
| 16. Additional remarks: | т. | | | | |
| 17. <u>Cooler Information</u> Cooler No Temp °C Condition Seal Int 1 1.3 Good | act Seal No S | eal Date | e Signi | ed By | |

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Page 1 of 1

| Hall ENVIRONMENTAL HALL ENVIRONMENTAL HALL ENVIRONMENTAL ANALYSIS LABORATORY ANALYSIS LABORATORY Www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request | TEX MTBE / TMB's (8021) TPH:8015D(GRO / DRO / MRO) 8081 Pesticides/8082 PCB's B081 Pesticides/8082 PCB's FDB (Method 504.1) PAHs by 8310 or 8270SIMS RCRA 8 Metals RCRA 8 Metals 8250 (VOA) 8260 (VOA) Total Coliform (Present/Absent) Total Coliform (Present/Absent) | × | | | | Date Time Remarks: カメース・1130 Durit Bill: Deven Date Time Lugh. Curves COUN. (Gun Bate Time Curves COUN. (Gun Date Time Curves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report. |
|---|--|------------------|------------|----------------------|-------------|---|
| Turn-Around Time: Standard Kush S dwl HM Project Name: (DU # 76 Project #: | Project Manager: <u>LIMM A. UNA</u> Sampler: AAL Sampler: AAL On Ice: XYes D No # of Coolers: Cooler Temp(mending cr:) 1, 3 ± 0 2 1 S c (°C) Cooler Temp(mending cr:) 1, 3 ± 0 2 1 S c (°C) Container Preservative AD0 5 X 80 Type and # Type | | - 003 | -006 -006 -007 | | |
| Custody Record | email or Fax#: ∠yyıw. (y cs/c @ Soutum Wu. (cm QA/QC Package: □ Standard □ Level 4 (Full Validation) Accreditation: □ Az Compliance □ NELAC □ Other □ EDD (Type) □ EDD (Type) □ ate Time Matrix Sample Name | Soil 61 81-05 | 910 83-0.5 | | 1030 55-0.5 | Date: Relinquished by: Received by: Via: Date: Time: Relinquished by: Received by: Via: Date: Time: Relinquished by: Received by: Via: If hecessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. Second received by: Second received by: |

i

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

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

District III

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

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

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

CONDITIONS

| Operator: | OGRID: |
|-------------------------------------|---|
| DEVON ENERGY PRODUCTION COMPANY, LP | 6137 |
| 333 West Sheridan Ave. | Action Number: |
| Oklahoma City, OK 73102 | 10304 |
| | Action Type: |
| | [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | | Condition Date |
|---------------|------|-------------------|
| bhall | None | 1/25/2023 |

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Action 10304