DEVON ENERGY Thistle Unit #44H

Work Plan

U/L N, Section 33, T23S, R33E Lea County, New Mexico

NAB1905153070 AND NRM2003159278

June 12, 2020



Prepared for:

Devon Energy 6488 Seven Rivers Hwy Artesia, NM 88210

By:

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

Company Contacts

| Representative | Company | Telephone | E-mail |
|----------------|--------------|--------------|--------------------|
| Tom Bynum | Devon Energy | 580-748-1613 | Tom.Bynum@dvn.com |
| Bob Allen | SESI | 575-397-0510 | ballen@sesi-nm.com |

Background

Safety and Environmental Solutions, Inc., hereinafter referred to as (SESI) was contracted by Devon Energy to assess two spills at the Thistle Unit #44H location. This site is situated in U/L N, Section 33, Township 23S and Range 33E, in Lea County New Mexico. We are addressing two separate leaks in this plan which will be remediated upon plan approval.

According to the C-141 for incident NAB1905153070, the dump was stuck open causing the free water knockout to pop off which resulted in a 4 bbl release of oil and a 18.38 bbls release of produced water. A vacuum truck was dispatched to recover all free-standing fluids.

Incident NRM2003159278 was caused by a line leak in the heater treater water dump line releasing 32.9 bbls of produced water. A vacuum truck was dispatched to recover all free-standing fluids.

Surface and Ground Water

According to the NMOCD Oil and Gas Map, there is no surface water within 3,000 feet of this location and spill areas. Depth to groundwater determination was not successfully established based on the guidelines required by NMOCD; therefore, Devon will remediate these spills according to the most stringent criteria set forth by NMOCD in NMAC 19.15.29.

Characterization

Both leaks have been fully delineated both vertically and horizontally at the request of NMOCD in their 5/12/20 denial of the previously submitted workplan dated 3/10/2020. In this plan rejection, NMOCD requested additional requirements which included delineation establishing horizontal extent and vertical delineation to the most stringent standard of 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene. NMOCD also requested, "Devon investigate the area directly adjacent to the tank battery on the east side" due to visible staining. Due to the denial of the initial workplan and the requests made by NMOCD, SESI personnel returned to the Thistle #44 site to fulfill the requests made by NMOCD. Each spill, as well as the area of concern outlined by NMOCD, will be addressed separately in this report to avoid confusion.

OCD Area of Concern, Investigation

During the investigation of "the area directly adjacent to the tank battery on the east side", SESI personnel discovered that the area did not in fact have staining, but instead determined the dark color areas seen in Google Earth imaging is actually red sand that had either been placed in the area as backfill or had been tracked onto location by traffic. To ensure the area was indeed not contaminated, SESI personnel conducted spot sampling of the area by taking 5 samples (SPA-SPE). The sample placements can be seen in the Area of Concern map included in this report.

The samples were properly packaged and preserved and taken to Hall Environmental Laboratory for analyzation. The results of the labs are captured in the table below:

| Devon Energy Thistle Unit #44H, NMOCD Area of Concern Soil Sample Results: Hall Environmental Laboratories 5/14/20 | | | | | | | | | | | | |
|--|-----|----|----|----|----|----|---------|---------|--|--|--|--|
| SAMPLE ID Chloride DRO MRO GRO Benzene Toluene Ethyl Total | | | | | | | | | | | | |
| | | | | | | | benzene | Xylenes | | | | |
| SP-A | 220 | ND | ND | ND | ND | ND | ND | ND | | | | |
| SP-B | 210 | ND | ND | ND | ND | ND | ND | ND | | | | |
| SP-C | 230 | 15 | 63 | ND | ND | ND | ND | ND | | | | |
| SP-D | 200 | ND | ND | ND | ND | ND | ND | ND | | | | |
| SP-E | 230 | 14 | 60 | ND | ND | ND | ND | ND | | | | |
| | 250 | | | | | | | | | | | |

OCD Area of Concern, Action Plan

Based on the results of the samples taken in this area, SESI does not feel any action is warranted in this area. Each sample met the most stringent criteria at the surface.

Release Area 1 (nAB1905153070; 1RP-5372), Investigation

Release area 1 was improperly identified in the initial workplan as part of the 2nd release area. Upon, further investigation of photos and narratives, SESI personnel learned that the February release was located just north of the November release and is outlined in the nAB1905153070 map included in this report. Therefore, on 5/14/20, SESI personnel tracked and mapped the February release and sampled the area to achieve both vertical and horizontal delineation. Nine samples were taken at the surface and 1 foot intervals until field testing indicated the samples to be clean. AH-1 through AH-4 were used to determine vertical extent and AH-5 through AH-10 were used to determine horizontal extent. An additional horizontal sample taken 4/24/20 was used to establish horizontal extent for the November release was used to help establish horizontal extent on the NE corner of this release. The horizontal extent samples were properly preserved and packaged and sent to Hall Environmental Labs for testing. The results of the analytical are captured in the summary table below:

| | | | 4H, Release | - | , B190515307 onmental La | - | | |
|-----------------|----------|----------|-------------|----------|--------------------------------|---------|------------------|------------------|
| SAMPLE ID | Chloride | DRO | MRO | GRO | Benzene | Toluene | Ethyl benzene | Total Xylenes |
| AH-1 @ Surface | ND | 11000 | 5200 | ND | ND | ND | ND | ND |
| AH-1 @ 1' | ND | ND | ND | ND | ND | ND | ND | ND |
| AH-1 @ 2' | 81 | ND | ND | ND | ND | ND | ND | ND |
| | | | | | | • | • | |
| AH-2 @ Surface | ND | 11000 | 4500 | 220 | ND | 0.19 | 1.6 | 9.3 |
| AH-2 @ 1' | ND | 16 | ND | ND | ND | ND | ND | ND |
| AH-2 @ 2' | ND | ND | ND | ND | ND | ND | ND | ND |
| | | | | | | | | |
| AH-3 @ Surface | ND | ND | ND | ND | ND | ND | ND | ND |
| AH-3 @ 1' | ND | ND | ND | ND | ND | ND | ND | ND |
| | | | | | | | | |
| AH-4 @ Surface | ND | 9000 | 4300 | ND | ND | ND | ND | ND |
| AH-4 @ 1' | ND | 17 | ND | ND | ND | ND | ND | ND |
| AH-4 @ 2' | ND | ND | ND | ND | ND | ND | ND | ND |
| | | HOF | RIZONTAL EX | TENT SAM | IPLE RESULT | S | | |
| AH-5 @ Surface | ND | ND | ND | ND | ND | ND | ND | ND |
| AH-5 @ 1' | ND | ND | ND | ND | ND | ND | ND | ND |
| | | | | | • | • | | |
| AH-6 @ Surface | 270 | ND | ND | ND | ND | ND | ND | ND |
| AH-6 @ 1' | ND | ND | ND | ND | ND | ND | ND | ND |
| | | | | | • | • | | |
| AH-7 @ Surface | ND | ND | ND | ND | ND | ND | ND | ND |
| AH-7 @ 1' | ND | 13 | ND | ND | ND | ND | ND | ND |
| | • | | | | | • | | |
| AH-8 @ Surface | 270 | ND | ND | ND | ND | ND | ND | ND |
| AH-8 @ 1' | 85 | ND | ND | ND | ND | ND | ND | ND |
| | | | | | • | | | |
| AH-9 @ Surface | ND | ND | ND | ND | ND | ND | ND | ND |
| AH-9 @ 1' | ND | 12 | ND | ND | ND | ND | ND | ND |
| | | <u>.</u> | | | | | | |
| AH-10 @ Surface | 290 | ND | ND | ND | ND | ND | ND | ND |
| AH-10 @ 1' | ND | ND | ND | ND | ND | ND | ND | ND |

Release Area 1 (nAB1905153070; 1RP-5372), Action Plan

Based on the results above for vertical extent samples AH-1 through AH-4, SESI respectfully recommends the entire leak of release area 1 be remediated to a depth of one foot. The excavation area is outlined in the map of this release located in this report. Once this remediation plan is approved, Devon will perform the remediation and all removed soil will be disposed of in an OCD-approved landfill. Approximately 1,100 ft3 will be excavated from this release area. Devon will then conduct both bottom and sidewall confirmation sampling to ensure all contaminated materials have been removed to the most stringent criteria established by NMOCD. Upon receipt of lab results verifying all contaminants have been removed, Devon will backfill the site with uncontaminated soil. If it becomes apparent that facility equipment

and/or structure integrity is compromised, SESI respectfully requests deferment of those areas until a later date. If this happens, pictures of the area of equipment/structures will be provided to provide evidence of deferral necessity.

Release Area 2 (nRM2003159278), Investigation

Release area 2 is a spill dated 11/24/2019 that has now been fully delineated both vertically and horizontally by SESI personnel on behalf of Devon Energy. After tracking and mapping the release area, SESI personnel conducted initial sampling on 12/19/2019. Thirteen auger holes were obtained at the surface, properly packaged and preserved, and sent to Cardinal Labs for analyzation. When SESI received the results of the samples, it was observed that many of the samples were still hot at the surface and further testing would need to be conducted.

On January 17, 2020 SESI personnel returned to the Thistle #44 to conduct deeper sampling hoping to achieve vertical extent. Samples were obtained at 1 foot intervals until field testing revealed clean samples. The samples were properly packaged and preserved and sent to Cardinal Labs for testing. The results of both sampling events are captured in the table below:

| | Devon Energy Thistle Unit #44H, Release area 2, nRM2003159278 | | | | | | | | | | | |
|---------------|--|---------|---------|---------|---------|--------------------------|-------|-------|-------|--|--|--|
| | Soil Sa | | • | | • | 13159278 19 and (1/17 | /20) | | | | | |
| SAMPLE ID | Benzene | Toluene | Ethyl- | Total | Total | Chlorides | ТРН | TPH | EXT | | | |
| | | | benzene | Xylenes | BTEX | | GRO | DRO | DRO | | | |
| AH1 @ Surface | <0.050 | <0.050 | <0.050 | <0.150 | < 0.300 | 35600 | <10.0 | <10.0 | <10.0 | | | |
| (SP1 @ 1') | <0.050 | <0.050 | <0.050 | <0.150 | < 0.300 | 128 | <10.0 | <10.0 | <10.0 | | | |
| | | | | | | | | | | | | |
| AH2 @ Surface | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 752 | 57 | 3110 | 572 | | | |
| (SP2 @ 1') | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 1060 | <10.0 | <10.0 | <10.0 | | | |
| | | | | | | | | | | | | |
| AH3 @ Surface | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 768 | 71.4 | 3730 | 687 | | | |
| (SP3 @ 1') | <0.050 | <0.050 | <0.050 | <0.150 | < 0.300 | 1090 | <10.0 | <10.0 | <10.0 | | | |
| | | | | | | | | | | | | |
| AH4 @ Surface | <0.050 | <0.050 | <0.050 | <0.150 | < 0.300 | 752 | 62.6 | 3270 | 566 | | | |
| (TT-4 @ 2') | <0.050 | <0.050 | <0.050 | <0.150 | < 0.300 | 528 | <10.0 | <10.0 | <10.0 | | | |
| | | | | | | | | | | | | |
| AH5 @ Surface | <0.050 | 0.387 | 2.91 | 15.7 | 18.9 | 3240 | 521 | 8990 | 1480 | | | |
| (TT-5 @ 1') | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 448 | <10.0 | <10.0 | <10.0 | | | |
| | | | | | | | | | | | | |
| AH6 @ Surface | <0.050 | 0.269 | 2.29 | 11.5 | 14 | 3600 | 545 | 10200 | 1590 | | | |
| (TT-6 @ 1') | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 608 | <10.0 | <10.0 | <10.0 | | | |
| | | | | | | | | | | | | |
| AH7 @ Surface | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 21600 | <10.0 | <10.0 | <10.0 | | | |
| (TT-7 @ 1') | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 4720 | <10.0 | <10.0 | <10.0 | | | |
| | | | | | | | | | | | | |
| AH8 @ Surface | <0.050 | 0.291 | 2.35 | 11.6 | 14.3 | 3080 | 563 | 10300 | 1670 | | | |
| (TT-8 @ 1') | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 4720 | <10.0 | <10.0 | <10.0 | | | |
| | | | | | | | | | | | | |
| AH9 @ Surface | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 16400 | <10.0 | <10.0 | <10.0 | | | |
| (TT-9 @ 1') | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 1410 | <10.0 | <10.0 | <10.0 | | | |
| | | | | | | | | | | | | |

| | r | r | r | r | г – т | | 1 | 1 | 1 | |
|----------------|--------|--------|--------|--------|------------------|-------|-------|-------|-------|--|
| AH10 @ Surface | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 14000 | <10.0 | <10.0 | <10.0 | |
| (TT-10 @1') | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 5040 | <10.0 | <10.0 | <10.0 | |
| | | | | | | | | | | |
| AH11 @ Surface | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 20000 | <10.0 | <10.0 | <10.0 | |
| (TT-11 @1') | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 1460 | <10.0 | <10.0 | <10.0 | |
| | | | | | | | | | | |
| AH12 @ Surface | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 20800 | <10.0 | <10.0 | <10.0 | |
| (TT-12 @ 1') | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 4640 | <10.0 | <10.0 | <10.0 | |
| | | | | | | | | | | |
| AH13 @ 1' | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 3640 | <10.0 | <10.0 | <10.0 | |
| (TT-13 @ 1') | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 1100 | <10.0 | <10.0 | <10.0 | |
| (TT-13 @ 2') | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 80 | <10.0 | <10.0 | <10.0 | |
| | | | | | | | | | | |

Upon completion of these two sampling events, SESI personnel along with Devon personnel believed full delineation had been achieved; therefore, a workplan was submitted to NMOCD on 03/10/2020. However, in May of 2020, NMOCD informed Devon and SESI that wells over 25 years old and wells with a distance greater than a half mile from the release site could no longer be used to determine groundwater depth. Furthermore, if groundwater depth could not be established, then the most stringent criteria must be met during the remediation approval process and closure requests. It was also learned that all leaks would need to have horizontal extent established. Therefore, SESI personnel returned to the November release area to obtain both vertical and horizontal delineation.

Since vertical extent had previously been successfully achieved at samples AH1, AH4, AH5, and AH13, additional deeper samples were only obtained at AH2, AH3, AH6, AH7, AH8, AH9, AH10, AH11, and AH12. These samples were preserved, packaged, and sent to Hall Labs. The results of this testing are captured in the table below:

| Devon Energy Thistle Unit #44H, Release area 2, nRM2003159278 Soil Sample Results: Hall Environmental Laboratories 6/1/2020 | | | | | | | | | | | | |
|---|----------|-----|-----|-----|---------|---------|------------------|------------------|--|--|--|--|
| SAMPLE ID | Chloride | DRO | MRO | GRO | Benzene | Toluene | Ethyl benzene | Total Xylenes | | | | |
| AH2/SP2 @ 2' | 200 | ND | ND | ND | ND | ND | ND | ND | | | | |
| AH3/SP3 @ 2' | ND | ND | ND | ND | ND | ND | ND | ND | | | | |
| AH6/SP6 @ 2' | 150 | ND | ND | ND | ND | ND | ND | ND | | | | |
| AH7,TT7 @ 2' | 150 | ND | ND | ND | ND | ND | ND | ND | | | | |
| AH8/TT8 @ 2' | ND | ND | ND | ND | ND | ND | ND | ND | | | | |
| AH9/TT9 @ 2' | 150 | ND | ND | ND | ND | ND | ND | ND | | | | |
| AH10/TT10 @ 2' | 200 | ND | ND | ND | ND | ND | ND | ND | | | | |
| AH11/TT11 @ 2' | ND | ND | ND | ND | ND | ND | ND | ND | | | | |
| AH12/TT12 @ 2' | ND | ND | ND | ND | ND | ND | ND | ND | | | | |

In order to determine horizontal extent and fulfill the NMOCD request to do so, SESI personnel performed sampling on 4/24/20. Since chlorides were the only constituent of concern for this leak, horizonal samples were only tested for chlorides to reduce the very high costs associated with this release area during a time of economic difficulties. All constituents will be addressed

during confirmation sampling of the release area. The horizontal samples are denoted on the map with and H beside the sample ID. Eleven samples were obtained, properly preserved and packaged and sent to Hall Environmental labs for chloride testing. The results of the sample testing are captured in the table below:

| Devon Energy Thistle Unit #44H, Relea nRM200315927 | 8 |
|--|----------|
| HORIZONTAL Soil Sample I Environmental Laboratorie | |
| SAMPLE ID | Chloride |
| AH14 @ Surface North | ND |
| AH14 @ 1' North | ND |
| | |
| AH15 @ Surface North | 220 |
| AH 15 @ 1' North | ND |
| | |
| AH16 @ Surface North | 260 |
| AH16 @ 1' North | ND |
| | |
| AH17 @ Surface North | 61 |
| AH17 @ 1' North | 180 |
| | |
| AH18 @ Surface South | ND |
| AH18 @ 1' South | ND |
| | • |
| AH19 @ Surface South | 440 |
| AH19 @ 1' South | 180 |
| | |
| AH20 @ Surface South | 440 |
| AH20 @ 1' South | 180 |
| | <u>.</u> |
| AH21 @ Surface South | 60 |
| AH21 @ 1' South | 180 |
| | |
| AH22 @ Surface West | 440 |
| AH22 @ 1' West | ND |
| | |
| AH23 @ Surface North | ND |
| AH23 @ 1' North | 190 |
| | |
| AH24 @ Surface BCKGRND | ND |
| AH24 @ 1' BCKGRND | ND |
| | |

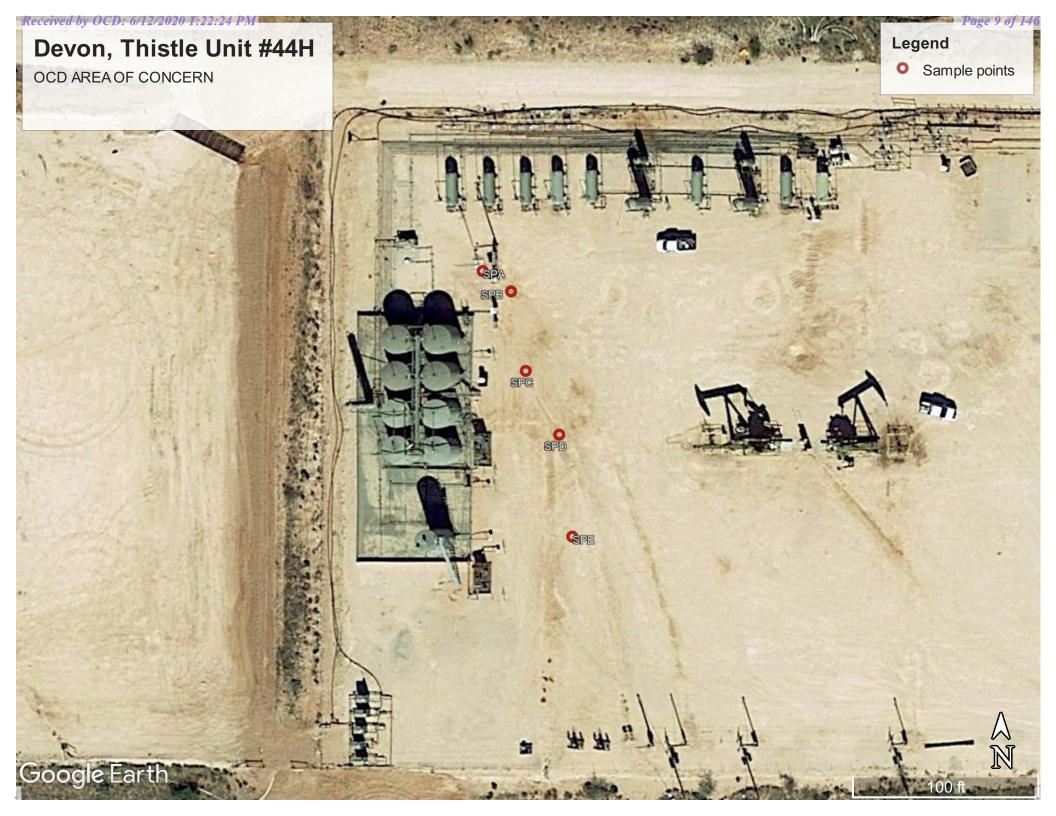
Release Area 2 (nRM2003159278), Action Plan

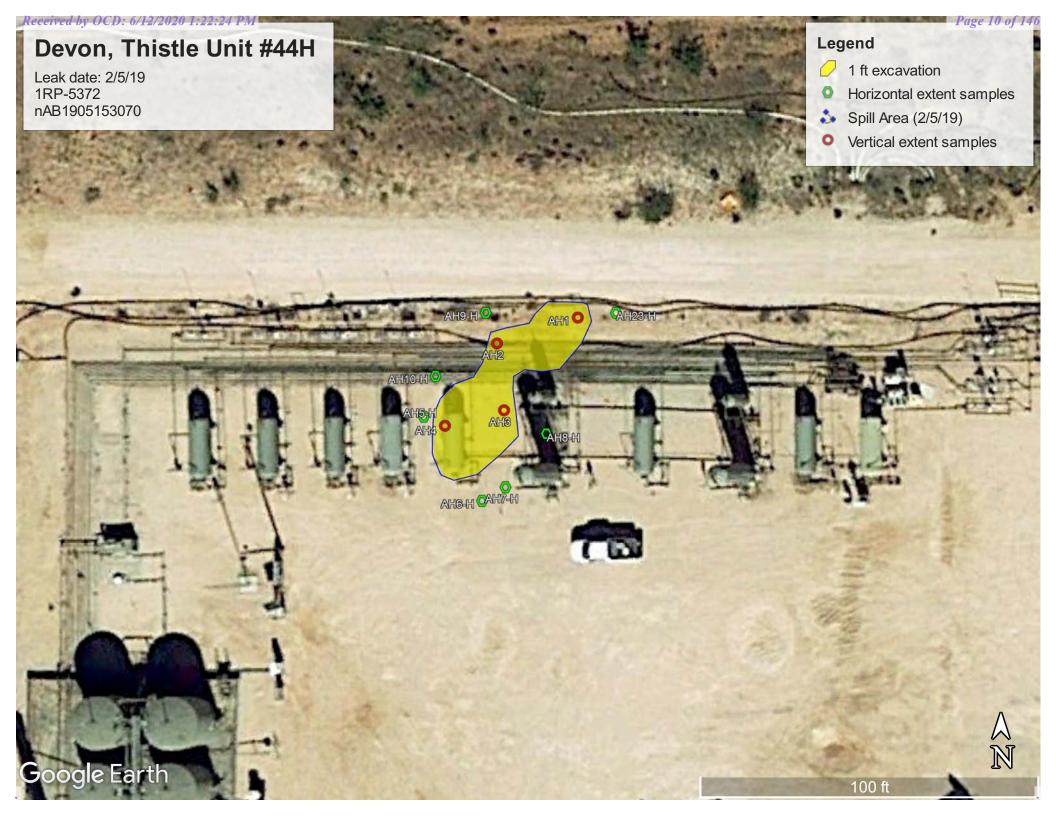
Based on the results of the sampling events and the requirement to meet the most stringent criteria set forth by NMOCD, SESI recommends feasible remediation of this release area to a depth of 2 feet in all areas except for the areas of AH1/SP1 and AH5/SP5. Those two areas will be feasibly excavated to a depth of 2 feet. Approximately 33,000 ft3 will be excavated and disposed of in a NMOCD-approved facility. Once the remediation plan is approved, Devon will remediate the site according the approved plan then obtain bottom and sidewall confirmation samples to confirm the most stringent criteria of 600 mg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene. After confirmation samples are confirmed to meet the most stringent closure criteria, Devon will backfill the site with clean soil. If it becomes apparent that facility equipment and/or structure integrity is compromised, SESI respectfully requests deferment of those areas until a later date. If this happens, pictures of the area of equipment/structures will be provided to provide evidence of deferral necessity.

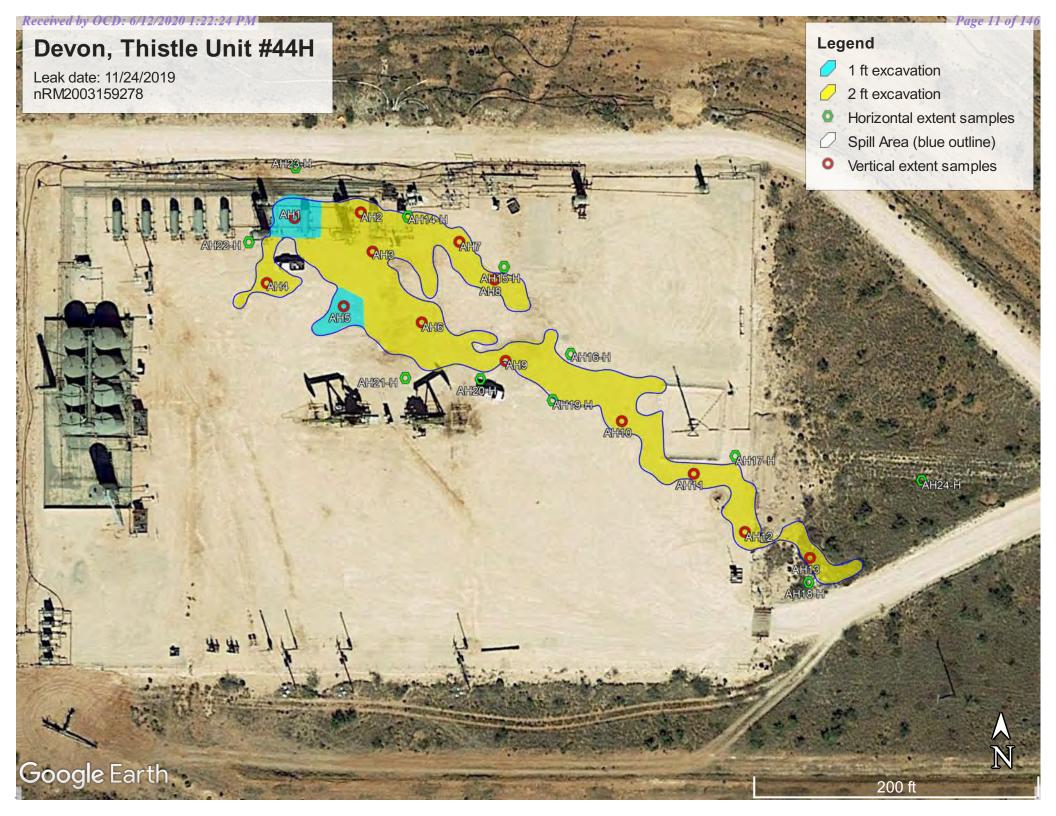
SESI, on behalf of Devon respectfully submits this remediation plan and requests approval at your earliest convenience. Upon approval, remediation efforts will be conducted within 90 days.

Supplemental and Supporting Documentation

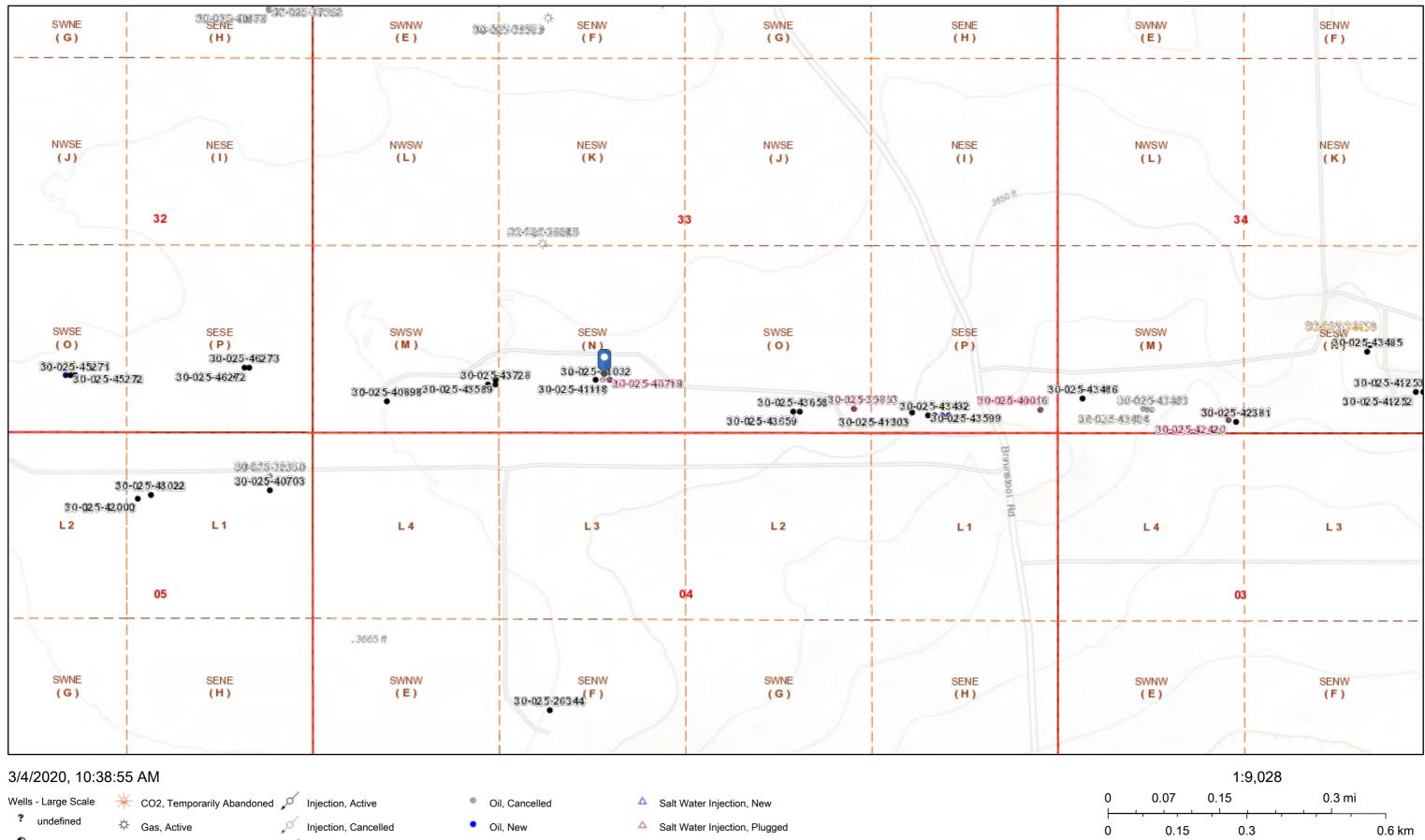
Evidence Document 1: Map of OCD Area of Concern denoting sample point locations Evidence Document 2: Map of Release area 1, nAB1905153070 with vertical and horizontal extent sample locations Evidence Document 3: Map of Release area 2, nRM2003159278 with vertical and horizontal extent sample locations Evidence Document 4: NMOCD Oil and Gas Topo map detailing area water features Evidence Document 5: BLM Cave Karst map showing location in low potential area Evidence Document 6: FEMA demonstrating minimal flood hazards for this area Evidence Document 7: Lab analysis for OCD area of concern, 5/14/20 Evidence Document 8: Lab analysis for Release area 1, 5/14/20 Evidence Document 9: Lab analysis for Release area 2, 12/19/19 Evidence Document 10: Lab analysis for Release area 2, 1/17/20 Evidence Document 11: Lab analysis for Release area 2. 6/1/20 Evidence Document 12: Lab analysis for Release area 2, 4/24/20 Evidence Document 13: Workplan Denial email from NMOCD with requests for supplemental evidence Evidence Document 13: C-141, pgs. 3-5 for nAB1905153070 AND nRM2003153278







Devon, Thistle Unit #44H



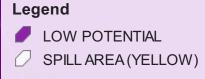
| ٧ | Vells - Large Scale | ¥ | CO2, Temporarily Abandoned | ø | Injection, Active | ٠ | Oil, Cancelled | ۵ | Salt Water Injection, New |
|---|---------------------|----|----------------------------|---|----------------------------------|-------------|---------------------------------|---|---|
| | ? undefined | ☆ | Gas, Active | ø | Injection, Cancelled | • | Oil, New | ۵ | Salt Water Injection, Plugged |
| | Miscellaneous | \$ | Gas, Cancelled | ø | Injection, New | • | Oil, Plugged | ۵ | Salt Water Injection, Temporarily Abandoned |
| | 🔆 CO2, Active | ☆ | Gas, New | ø | Injection, Plugged | • | Oil, Temporarily Abandoned | ۵ | Water, Active |
| | * CO2, Cancelled | ☆ | Gas, Plugged | ø | Injection, Temporarily Abandoned | ۵ | Salt Water Injection, Active | 6 | Water, Cancelled |
| | 🔆 CO2, New | ☆ | Gas, Temporarily Abandoned | • | Oil, Active | \triangle | Salt Water Injection, Cancelled | ٠ | Water, New |
| | CO2, Plugged | | | | | | | | |

Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI,

Devon, Thistle Unit #44H

Lager Forder

Lea County, NM NAB1905153070 AND NRM2003159278



Page 13 of 146

Co Rd 2-A

N



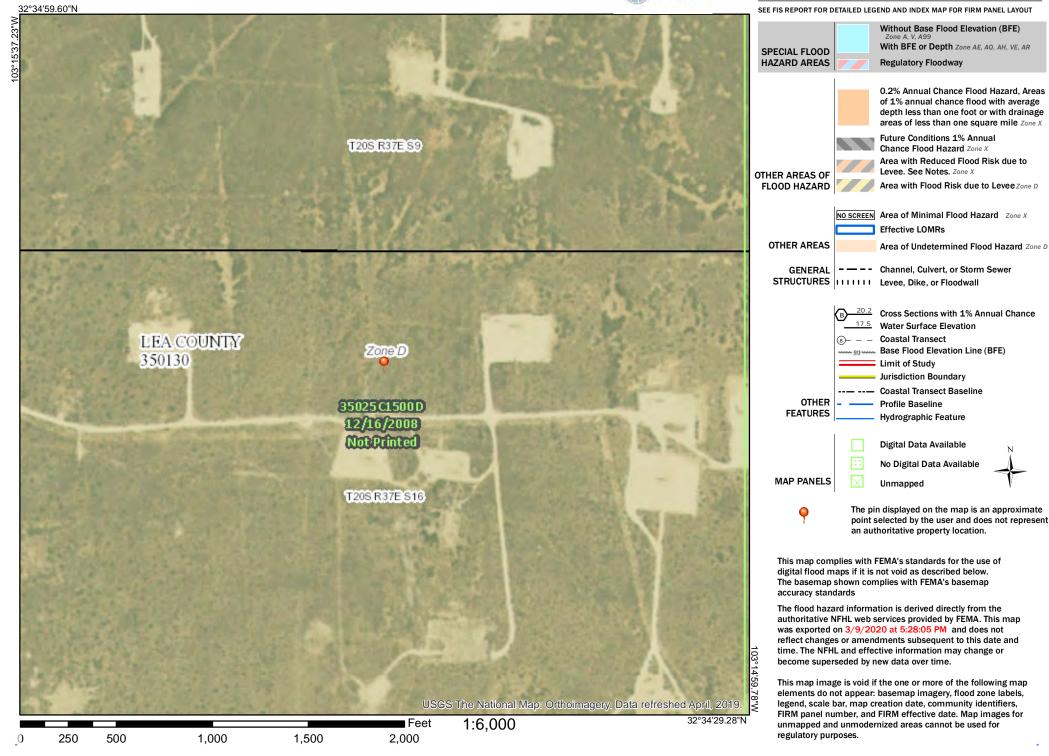
© 2020 Google

Received by OCD: 6/12/2020 1:22:24 PM National Flood Hazard Layer FIRMette



Legend

Page 14 of 146





May 22, 2020

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

RE: Devon Thistle 44H

OrderNo.: 2005735

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 5 sample(s) on 5/16/2020 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 2005735

Date Reported: 5/22/2020

| CLIENT: Safety & Environmental Solution | S | Cl | ient Sample II | D: SP | P-A | |
|---|--------------|----------|---------------------|---------------|-----------------------|-------|
| Project: Devon Thistle 44H | | (| Collection Dat | e: 5/1 | 4/2020 1:50:00 PM | |
| Lab ID: 2005735-001 | Matrix: SOIL | | Received Dat | e: 5/1 | 6/2020 8:00:00 AM | |
| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch |
| EPA METHOD 300.0: ANIONS | | | | | Analyst | CAS |
| Chloride | 220 | 60 | mg/Kg | 20 | 5/21/2020 10:34:24 PM | 52637 |
| EPA METHOD 8015M/D: DIESEL RANGE | ORGANICS | | | | Analyst | BRM |
| Diesel Range Organics (DRO) | ND | 8.1 | mg/Kg | 1 | 5/19/2020 6:49:31 PM | 52528 |
| Motor Oil Range Organics (MRO) | ND | 40 | mg/Kg | 1 | 5/19/2020 6:49:31 PM | 52528 |
| Surr: DNOP | 94.0 | 55.1-146 | %Rec | 1 | 5/19/2020 6:49:31 PM | 52528 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst | : NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | mg/Kg | 1 | 5/19/2020 10:54:55 PM | 52514 |
| Surr: BFB | 85.5 | 66.6-105 | %Rec | 1 | 5/19/2020 10:54:55 PM | 52514 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | : NSB |
| Benzene | ND | 0.025 | mg/Kg | 1 | 5/19/2020 10:54:55 PM | 52514 |
| Toluene | ND | 0.050 | mg/Kg | 1 | 5/19/2020 10:54:55 PM | 52514 |
| Ethylbenzene | ND | 0.050 | mg/Kg | 1 | 5/19/2020 10:54:55 PM | 52514 |
| Xylenes, Total | ND | 0.10 | mg/Kg | 1 | 5/19/2020 10:54:55 PM | 52514 |
| Surr: 4-Bromofluorobenzene | 99.2 | 80-120 | %Rec | 1 | 5/19/2020 10:54:55 PM | 52514 |

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

Page 1 of 10

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2005735

Date Reported: 5/22/2020

| CLIENT: Safety & Environmental Solution | S | Cl | ient Sample II | D: SP | Р-В | |
|---|--------------|----------|---------------------|---------------|-----------------------|---------|
| Project: Devon Thistle 44H | | (| Collection Dat | e: 5/1 | 14/2020 2:10:00 PM | |
| Lab ID: 2005735-002 | Matrix: SOIL | | Received Dat | e: 5/1 | 16/2020 8:00:00 AM | |
| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch |
| EPA METHOD 300.0: ANIONS | | | | | Analys | t: CAS |
| Chloride | 210 | 60 | mg/Kg | 20 | 5/21/2020 11:11:24 PM | 1 52637 |
| EPA METHOD 8015M/D: DIESEL RANGE | ORGANICS | | | | Analys | t: BRM |
| Diesel Range Organics (DRO) | ND | 9.4 | mg/Kg | 1 | 5/19/2020 7:14:34 PM | 52528 |
| Motor Oil Range Organics (MRO) | ND | 47 | mg/Kg | 1 | 5/19/2020 7:14:34 PM | 52528 |
| Surr: DNOP | 95.3 | 55.1-146 | %Rec | 1 | 5/19/2020 7:14:34 PM | 52528 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analys | t: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | mg/Kg | 1 | 5/19/2020 11:18:50 PM | / 52514 |
| Surr: BFB | 86.5 | 66.6-105 | %Rec | 1 | 5/19/2020 11:18:50 PM | / 52514 |
| EPA METHOD 8021B: VOLATILES | | | | | Analys | t: NSB |
| Benzene | ND | 0.025 | mg/Kg | 1 | 5/19/2020 11:18:50 PM | / 52514 |
| Toluene | ND | 0.049 | mg/Kg | 1 | 5/19/2020 11:18:50 PM | / 52514 |
| Ethylbenzene | ND | 0.049 | mg/Kg | 1 | 5/19/2020 11:18:50 PM | / 52514 |
| Xylenes, Total | ND | 0.098 | mg/Kg | 1 | 5/19/2020 11:18:50 PM | / 52514 |
| Surr: 4-Bromofluorobenzene | 99.6 | 80-120 | %Rec | 1 | 5/19/2020 11:18:50 PM | / 52514 |

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

- 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 2 of 10

Analytical Report Lab Order 2005735

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 5/22/2020

| CLIENT: Safety & Environmental Solution | S | | ient Sample II | | | |
|---|--------------|----------|----------------|--------|-----------------------|-------|
| Project: Devon Thistle 44H | | (| Collection Dat | e: 5/1 | 14/2020 2:25:00 PM | |
| Lab ID: 2005735-003 | Matrix: SOIL | | Received Date | e: 5/1 | 6/2020 8:00:00 AM | |
| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch |
| EPA METHOD 300.0: ANIONS | | | | | Analyst | CAS |
| Chloride | 230 | 60 | mg/Kg | 20 | 5/21/2020 11:23:45 PM | 52637 |
| EPA METHOD 8015M/D: DIESEL RANGE | ORGANICS | | | | Analyst | BRM |
| Diesel Range Organics (DRO) | 15 | 8.5 | mg/Kg | 1 | 5/19/2020 7:39:15 PM | 52528 |
| Motor Oil Range Organics (MRO) | 63 | 43 | mg/Kg | 1 | 5/19/2020 7:39:15 PM | 52528 |
| Surr: DNOP | 136 | 55.1-146 | %Rec | 1 | 5/19/2020 7:39:15 PM | 52528 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst | : NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | mg/Kg | 1 | 5/19/2020 11:42:48 PN | 52514 |
| Surr: BFB | 85.8 | 66.6-105 | %Rec | 1 | 5/19/2020 11:42:48 PM | 52514 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | : NSB |
| Benzene | ND | 0.024 | mg/Kg | 1 | 5/19/2020 11:42:48 PN | 52514 |
| Toluene | ND | 0.049 | mg/Kg | 1 | 5/19/2020 11:42:48 PM | 52514 |
| Ethylbenzene | ND | 0.049 | mg/Kg | 1 | 5/19/2020 11:42:48 PN | 52514 |
| Xylenes, Total | ND | 0.098 | mg/Kg | 1 | 5/19/2020 11:42:48 PN | 52514 |
| Surr: 4-Bromofluorobenzene | 98.3 | 80-120 | %Rec | 1 | 5/19/2020 11:42:48 PM | 52514 |

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

Page 3 of 10

.

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2005735

Date Reported: 5/22/2020

| CLIENT: Safety & Environmental Solution | s | Cl | ient Sample II | D: SF | P-D | |
|---|--------------|----------|---------------------|--------|-----------------------|-------|
| Project: Devon Thistle 44H | | (| Collection Dat | e: 5/1 | 14/2020 2:30:00 PM | |
| Lab ID: 2005735-004 | Matrix: SOIL | | Received Dat | e: 5/1 | 16/2020 8:00:00 AM | |
| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch |
| EPA METHOD 300.0: ANIONS | | | | | Analyst: | CAS |
| Chloride | 200 | 60 | mg/Kg | 20 | 5/21/2020 11:36:06 PM | 52637 |
| EPA METHOD 8015M/D: DIESEL RANGE | ORGANICS | | | | Analyst | CLP |
| Diesel Range Organics (DRO) | ND | 9.8 | mg/Kg | 1 | 5/19/2020 11:58:43 PM | 52538 |
| Motor Oil Range Organics (MRO) | ND | 49 | mg/Kg | 1 | 5/19/2020 11:58:43 PM | 52538 |
| Surr: DNOP | 87.8 | 55.1-146 | %Rec | 1 | 5/19/2020 11:58:43 PM | 52538 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst | NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | mg/Kg | 1 | 5/20/2020 12:06:32 AM | 52514 |
| Surr: BFB | 83.5 | 66.6-105 | %Rec | 1 | 5/20/2020 12:06:32 AM | 52514 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | NSB |
| Benzene | ND | 0.025 | mg/Kg | 1 | 5/20/2020 12:06:32 AM | 52514 |
| Toluene | ND | 0.050 | mg/Kg | 1 | 5/20/2020 12:06:32 AM | 52514 |
| Ethylbenzene | ND | 0.050 | mg/Kg | 1 | 5/20/2020 12:06:32 AM | 52514 |
| Xylenes, Total | ND | 0.099 | mg/Kg | 1 | 5/20/2020 12:06:32 AM | 52514 |
| Surr: 4-Bromofluorobenzene | 96.6 | 80-120 | %Rec | 1 | 5/20/2020 12:06:32 AM | 52514 |

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

- 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 10

Surr: DNOP

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

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 2005735

Analyst: CLP

Analyst: NSB

Analyst: NSB

5/20/2020 12:47:30 AM 52538

5/20/2020 12:47:30 AM 52538

5/20/2020 12:47:30 AM 52538

5/20/2020 12:30:08 AM 52514

Hall Environmental Analysis Laboratory, Inc.

EPA METHOD 8015M/D: DIESEL RANGE ORGANICS

Date Reported: 5/22/2020

| CLIENT: | Safety & Environmental S | olutions | Client Sample ID: SP-E | | | | | | |
|----------------|--------------------------|--------------|------------------------|-------------|---------------|-----------------------|---------|--|--|
| Project: | Devon Thistle 44H | | Coll | lection Dat | e: 5/1 | 4/2020 2:50:00 PM | | | |
| Lab ID: | 2005735-005 | Matrix: SOIL | Re | ceived Dat | e: 5/1 | 6/2020 8:00:00 AM | | | |
| Analyses | 5 | Result | RL Qu | ial Units | DF | Date Analyzed | Batch | | |
| | THOD 300.0: ANIONS | | | | | Analys | t: CAS | | |
| Chloride | | 230 | 60 | mg/Kg | 20 | 5/21/2020 11:48:27 PM | A 52637 | | |

9.8

49

4.9

0.025

0.049

0.049

0.099

80-120

55.1-146

66.6-105

mg/Kg

mg/Kg

%Rec

mg/Kg

%Rec

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

1

1

1

1

1

1

1

1

1

1

14

60

112

ND

86.2

ND

ND

ND

ND

97.9

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

- 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 5 of 10

| Client: Project: | • | y & Environme n Thistle 44H | ental So | lutions | | | | | | | |
|---------------------|-----------|--------------------------------|----------------|-----------|-------------|-------------------|-----------|--------------------|------|----------|------|
| Sample ID: M | IB-52637 | SampT | ype: mb | olk | Tes | tCode: EF | PA Method | 300.0: Anion | s | | |
| Client ID: P | BS | Batch | ID: 52 | 637 | F | RunNo: 6 9 | 9084 | | | | |
| Prep Date: | 5/21/2020 | Analysis D | ate: 5/ | 21/2020 | S | SeqNo: 23 | 392598 | Units: mg/K | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | | ND | 1.5 | | | | | | | | |
| Sample ID: L | CS-52637 | SampT | ype: Ics | ; | Tes | tCode: EF | PA Method | 300.0: Anion | s | | |
| Client ID: L | CSS | Batch | ID: 52 | 637 | F | RunNo: 69 | 9084 | | | | |
| Prep Date: | 5/21/2020 | Analysis D | ate: 5/ | 21/2020 | S | SeqNo: 23 | 392599 | 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 | 93.8 | 90 | 110 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical 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 6 of 10

WO#: 2005735 22-May-20

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| | z Environmental Solutions Thistle 44H | | |
|--------------------------------|--|---------------------------|---------------------------------|
| Sample ID: MB-52538 | SampType: MBLK | TestCode: EPA Method | 8015M/D: Diesel Range Organics |
| Client ID: PBS | Batch ID: 52538 | RunNo: 68994 | oursmind. Dieser Kange Organics |
| Prep Date: 5/18/2020 | Analysis Date: 5/19/2020 | SegNo: 2390222 | Units: mg/Kg |
| Analyte | | SPK Ref Val %REC LowLimit | HighLimit %RPD RPDLimit Qual |
| Diesel Range Organics (DRO) | ND 10 | SPK REI VAI %REC LOWLIMIL | HighLimit %RPD RPDLimit Quai |
| Motor Oil Range Organics (MRO) | ND 50 | | |
| Surr: DNOP | 11 10.00 | 110 55.1 | 146 |
| Sample ID: LCS-52538 | SampType: LCS | TestCode: EPA Method | 8015M/D: Diesel Range Organics |
| Client ID: LCSS | Batch ID: 52538 | RunNo: 68994 | |
| Prep Date: 5/18/2020 | Analysis Date: 5/19/2020 | SeqNo: 2390223 | Units: mg/Kg |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD RPDLimit Qual |
| Diesel Range Organics (DRO) | 53 10 50.00 | 0 105 70 | 130 |
| Surr: DNOP | 5.0 5.000 | 99.0 55.1 | 146 |
| Sample ID: LCS-52528 | SampType: LCS | TestCode: EPA Method | 8015M/D: Diesel Range Organics |
| Client ID: LCSS | Batch ID: 52528 | RunNo: 69010 | |
| Prep Date: 5/18/2020 | Analysis Date: 5/19/2020 | SeqNo: 2390294 | Units: mg/Kg |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD RPDLimit Qual |
| Diesel Range Organics (DRO) | 59 10 50.00 | 0 119 70 | 130 |
| Surr: DNOP | 6.0 5.000 | 120 55.1 | 146 |
| Sample ID: MB-52528 | SampType: MBLK | TestCode: EPA Method | 8015M/D: Diesel Range Organics |
| Client ID: PBS | Batch ID: 52528 | RunNo: 69010 | |
| Prep Date: 5/18/2020 | Analysis Date: 5/19/2020 | SeqNo: 2390296 | Units: mg/Kg |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD RPDLimit Qual |
| Diesel Range Organics (DRO) | ND 10 | | |
| Motor Oil Range Organics (MRO) | ND 50 | | |
| Surr: DNOP | 13 10.00 | 125 55.1 | 146 |
| Sample ID: MB-52569 | SampType: MBLK | TestCode: EPA Method | 8015M/D: Diesel Range Organics |
| Client ID: PBS | Batch ID: 52569 | RunNo: 69027 | |
| Prep Date: 5/19/2020 | Analysis Date: 5/20/2020 | SeqNo: 2390565 | Units: %Rec |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD RPDLimit Qual |
| Surr: DNOP | 9.0 10.00 | 89.8 55.1 | 146 |

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

WO#: 2005735

22-May-20

| Client: Project: | • | & Environme Thistle 44H | ental So | olutions | | | | | | | |
|---------------------|---|----------------------------|----------|----------|-------------|--|----------|--------------|------------|------------|------|
| | Sample ID: LCS-52569 SampType: LCS Client ID: LCSS Batch ID: 52569 | | | | | | | 8015M/D: Die | esel Range | e Organics | |
| | - | Batcr Analysis D | | | | 8unNo: 6 9 SegNo: 2 3 | | Units: %Rec | : | | |
| Analyte | | | PQL | | SPK Ref Val | • | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP | | 4.3 | | 5.000 | | 85.0 | 55.1 | 146 | | | |

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

WO#: 2005735 22-May-20

| • | : Environme Thistle 44H | ental So | lutions | | | | | | | |
|-------------------------------|----------------------------|----------------|-----------|-----------------------------|-----------|-----------|--------------------|-----------|----------|------|
| Sample ID: mb-52514 | SampT | ype: ME | BLK | Test | tCode: EF | PA Method | 8015D: Gasc | line Rang | e | |
| Client ID: PBS | Batch | ID: 52 | 514 | R | unNo: 6 | 3996 | | | | |
| Prep Date: 5/17/2020 | ,, , | | | SeqNo: 2389750 Units: mg/Kg | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND | 5.0 | | | | | | | | |
| Surr: BFB | 880 | | 1000 | | 87.7 | 66.6 | 105 | | | |
| Sample ID: Ics-52514 | SampT | ype: LC | S | Test | tCode: EF | PA Method | 8015D: Gaso | line Rang | e | |
| Client ID: LCSS | Batch | ID: 52 | 514 | R | unNo: 6 | 3996 | | | | |
| Prep Date: 5/17/2020 | Analysis D | ate: 5/ | 19/2020 | S | eqNo: 2 | 389751 | Units: mg/K | g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 23 | 5.0 | 25.00 | 0 | 91.1 | 80 | 120 | | | |
| Surr: BFB | 970 | | 1000 | | 96.7 | 66.6 | 105 | | | |

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

2005735

22-May-20

WO#:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| • | & Environmental S Thistle 44H | olutions | | | | | | | | |
|---|--|--|---------------------------------------|-----------------------------------|--------------------------------|---------------------------------|------------------|----------|------|--|
| Sample ID: mb-52514 | SampType: M | BLK | TestCode: EPA Method 8021B: Volatiles | | | | | | | |
| Client ID: PBS | Batch ID: 52 | 2514 | R | unNo: 6 | 8996 | | | | | |
| Prep Date: 5/17/2020 | Analysis Date: 5 | /19/2020 | S | eqNo: 2 | 389795 | Units: mg/K | g | | | |
| Analyte | Result PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | |
| Benzene | ND 0.025 | | | | | | | | | |
| Foluene | ND 0.050 | | | | | | | | | |
| Ethylbenzene | ND 0.050 | | | | | | | | | |
| Kylenes, Total | ND 0.10 | | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 1.0 | 1.000 | | 101 | 80 | 120 | | | | |
| Sample ID: LCS-52514 | SampType: L(| cs | Test | tCode: EF | PA Method | 8021B: Volat | iles | | | |
| | 1 71 | | | | | | | | | |
| Client ID: LCSS | Batch ID: 52 | 2514 | R | unNo: 6 | 8996 | | | | | |
| Client ID: LCSS Prep Date: 5/17/2020 | | - | | tunNo: 68 GeqNo: 23 | | Units: mg/K | g | | | |
| | Batch ID: 52 | /19/2020 | | | | Units: mg/K HighLimit | g %RPD | RPDLimit | Qual | |
| Prep Date: 5/17/2020 | Batch ID: 52 Analysis Date: 5 | / 19/2020 SPK value | S | SeqNo: 2 | 389796 | - | - | RPDLimit | Qual | |
| Prep Date: 5/17/2020 Analyte | Batch ID: 52 Analysis Date: 5 Result PQL | /19/2020 SPK value 1.000 | S SPK Ref Val | SeqNo: 2: %REC | 389796 LowLimit | HighLimit | - | RPDLimit | Qual | |
| Prep Date: 5/17/2020 Analyte Benzene Toluene | Batch ID: 52 Analysis Date: 5 Result PQL 0.93 0.025 | /19/2020 SPK value 1.000 1.000 | SPK Ref Val | eqNo: 23 %REC 93.4 | 389796 LowLimit 80 | HighLimit 120 | - | RPDLimit | Qual | |
| Prep Date: 5/17/2020 Analyte Benzene | Batch ID: 52 Analysis Date: 5 Result PQL 0.93 0.025 0.95 0.050 | /19/2020 SPK value 1.000 1.000 1.000 | SPK Ref Val 0 0 | SeqNo: 23 %REC 93.4 95.3 | 389796 LowLimit 80 80 | HighLimit 120 120 | - | RPDLimit | Qual | |

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

Page 10 of 10

WO#: 2005735

22-May-20

| AN | VIRONMENT ALYSIS BORATORY | AL | TE | all Environmenta All EL: 505-345-397. Website: www.h | 49 buquer 5 FAX | 01 Hawk que, NM : 505-345 | ins NE 87109 5-4107 | San | nple Log-In Check List |
|-------------------------------|---------------------------------------|------------------|--------------------------------------|---|-----------------------|---------------------------------|---------------------------|-------|---------------------------------------|
| Client Name | e: Safety En | v Solutions | Work | Order Numbe | r: 200 | 5735 | | | RcptNo: 1 |
| Received B | y: Leah Bad | a | 5/16/20 |)20 8:00:00 AN | 1 | | Int | Bace | A. |
| Completed B | 10 | a | 5/16/20 | 020 8:36:32 AN 12し | 1 | | Last | Bac | x. |
| Chain of C | Custody | | | | | | | | |
| 1. Is Chain (| of Custody comp | plete? | | | Yes | | No | | Not Present |
| 2. How was | the sample deli | vered? | | | Cou | i <u>rier</u> | | | |
| Log In | ttempt made to | | - 0 | | | | | | |
| o. wasana | ttempt made to | cool the sampl | es? | | Yes | | No | | |
| 4. Were all s | amples received | d at a temperat | ure of >0° C | to 6.0°C | Yes | | No | | NA 🗌 |
| 5. Sample(s |) in proper conta | iiner(s)? | | | Yes | ~ | No | | |
| 6. Sufficient | sample volume | for indicated te | st(s)? | | Yes | ~ | No | | |
| 7. Are sampl | es (except VOA | and ONG) pro | perly preserve | ed? | Yes | | No | | |
| 8. Was prese | ervative added to | bottles? | | | Yes | | No | | NA 🗌 |
| 9. Received a | at least 1 vial wi | h headspace | <1/4" for AQ V | OA? | Yes | | No | | NA 🗹 |
| 0. Were any | sample contain | ers received bi | oken? | | Yes | | No | | # of preserved |
| | erwork match bo repancies on ch | | | | Yes | | No | | bottles checked for pH: |
| | es correctly ider | | | | Yes | | No | | (<2 or >12 unless noted) Adjusted? |
| | what analyses w | | a second second second second second | | | | No | Ē | |
| 4. Were all he | olding times able y customer for a | e to be met? | | | Yes | | No | | Checked by: DAD 5/16/20 |
| | ndling (if app | | | | | | | | |
| | t notified of all d | | ith this order? | , | Yes | | No | | |
| Pers | on Notified: | (T) | | Date: | | | | - | |
| Reg | Vhom: arding: | 1 | | Via: [|] eM | ail 🗌 I | Phone 🗌 |] Fax | In Person |
| Clier 16. Additiona | nt Instructions: | | | | | | | | |
| | | | | | | | | | |
| 7. <u>Cooler In</u> Cooler | No Temp °C | Condition | Seal Intact | Seal No S | Seal D | ate | Signed I | Ву | |
| 1 2 | 0.5 | Good Good | | | | | | | |

| ceived by OCD: 6/12/2020 1 | :22:24 PM | | Page 27 of 1 |
|--|--|---|--|
| Add ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request | TPH:8015D(GRO / DRO / MRO) 8081 Pesticides/8082 PCB's EDB (Method 504.1) PAHs by 8310 or 8270SIMS CI, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄ 8260 (VOA) 8250 (Semi-VOA) Total Coliform (Present/Absent) | | Remarks: |
| | ث BTEX / MTBE / TMB's (8021) | | |
| Turn-Around Time: 5 por Froject Name: Dou envirth Project Name: Dou envirth Project #: Project #: | Project Manager: AULEN RSB Sampler: So St. Even On Ice: D Yes D No # of Coolers: () - 22 - 9.2 Cooler Temp(ineluding CF): () - 22 - 9.2 Container Preservative HEAL No. Type and # Type | 1 Tele - out 1 - 1 - 0 0 0 0 0 0 0 0 | Received by: Via: Date Time 70 (NWF W P P P P P P P P P P P P P P P P P P |
| Chain-of-Custody Record t: Sifter + Gulurument Solurume address: 703 6: Clinton abbs NM 88240 e#: 575-397-0570 | r Fax#: Package: dard Level 4 (Full Validation) tation: Az Compliance AC Other (Type) Time Matrix Sample Name | (法の 5000 1月10 50 1月10 50 1月10 | Time: Relinquished by Relinquished by Time: Relinquished by Time: Relinquished by |
| Client: Shert Client: Shert Mailing Address: 7 Phone #: 575- | email or Fax#: QA/QC Package: Standard Accreditation: NELAC DED (Type) Date Time | 00000000000000000000000000000000000000 | Date: Time: Date: Time: S/15 199 |



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

May 22, 2020

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

RE: DEVON Thistle 44H 1RP5372

OrderNo.: 2005734

Dear Bob Allen:

Hall Environmental Analysis Laboratory received 23 sample(s) on 5/16/2020 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

Lab ID:

Analytical Report Lab Order 2005734

Date Reported: 5/22/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

2005734-001

DEVON Thistle 44H 1RP5372

Client Sample ID: AH-1 Surface Collection Date: 5/14/2020 8:45:00 AM Received Date: 5/16/2020 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 | 5/21/2020 2:32:54 PM | 52628 |
| EPA METHOD 8015D MOD: GASOLINE RA | NGE | | | | | Analyst | : JMR |
| Gasoline Range Organics (GRO) | ND | 25 | D | mg/Kg | 5 | 5/18/2020 2:33:42 PM | 52507 |
| Surr: BFB | 98.9 | 70-130 | D | %Rec | 5 | 5/18/2020 2:33:42 PM | 52507 |
| EPA METHOD 8015M/D: DIESEL RANGE O | RGANICS | | | | | Analyst | BRM |
| Diesel Range Organics (DRO) | 11000 | 450 | | mg/Kg | 50 | 5/19/2020 8:53:21 PM | 52531 |
| Motor Oil Range Organics (MRO) | 5200 | 2300 | | mg/Kg | 50 | 5/19/2020 8:53:21 PM | 52531 |
| Surr: DNOP | 0 | 55.1-146 | S | %Rec | 50 | 5/19/2020 8:53:21 PM | 52531 |
| EPA METHOD 8260B: VOLATILES SHORT | LIST | | | | | Analyst | : JMR |
| Benzene | ND | 0.12 | D | mg/Kg | 5 | 5/18/2020 2:33:42 PM | 52507 |
| Toluene | ND | 0.25 | D | mg/Kg | 5 | 5/18/2020 2:33:42 PM | 52507 |
| Ethylbenzene | ND | 0.25 | D | mg/Kg | 5 | 5/18/2020 2:33:42 PM | 52507 |
| Xylenes, Total | ND | 0.50 | D | mg/Kg | 5 | 5/18/2020 2:33:42 PM | 52507 |
| Surr: 1,2-Dichloroethane-d4 | 86.8 | 70-130 | D | %Rec | 5 | 5/18/2020 2:33:42 PM | 52507 |
| Surr: 4-Bromofluorobenzene | 87.1 | 70-130 | D | %Rec | 5 | 5/18/2020 2:33:42 PM | 52507 |
| Surr: Dibromofluoromethane | 101 | 70-130 | D | %Rec | 5 | 5/18/2020 2:33:42 PM | 52507 |
| Surr: Toluene-d8 | 96.6 | 70-130 | D | %Rec | 5 | 5/18/2020 2:33:42 PM | 52507 |

Matrix: SOIL

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

Page 1 of 31

Analytical Report Lab Order 2005734

Date Reported: 5/22/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

DEVON Thistle 44H 1RP5372

Client Sample ID: AH-1 1ft Collection Date: 5/14/2020 9:00:00 AM Received Date: 5/16/2020 8:00:00 AM

| Lab ID: | 2005734-002 | Matrix: SOIL | | Recei | ved Dat | e: 5/1 | 6/2020 8:00:00 AM | |
|------------|------------------------|--------------|----------|-------|---------|---------------|----------------------|-------|
| Analyses | | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
| EPA METH | HOD 300.0: ANIONS | | | | | | Analyst | CAS |
| Chloride | | ND | 60 | | mg/Kg | 20 | 5/21/2020 3:34:37 PM | 52628 |
| EPA METH | HOD 8015D MOD: GASOLI | NE RANGE | | | | | Analyst | JMR |
| Gasoline F | Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 5/18/2020 3:59:29 PM | 52507 |
| Surr: Bl | FB | 94.8 | 70-130 | | %Rec | 1 | 5/18/2020 3:59:29 PM | 52507 |
| EPA METH | HOD 8015M/D: DIESEL RA | NGE ORGANICS | | | | | Analyst | BRM |
| Diesel Ra | nge Organics (DRO) | ND | 10 | | mg/Kg | 1 | 5/19/2020 9:17:42 PM | 52531 |
| Motor Oil | Range Organics (MRO) | ND | 50 | | mg/Kg | 1 | 5/19/2020 9:17:42 PM | 52531 |
| Surr: DI | NOP | 141 | 55.1-146 | | %Rec | 1 | 5/19/2020 9:17:42 PM | 52531 |
| EPA METH | HOD 8260B: VOLATILES S | HORT LIST | | | | | Analyst | : JMR |
| Benzene | | ND | 0.025 | | mg/Kg | 1 | 5/18/2020 3:59:29 PM | 52507 |
| Toluene | | ND | 0.050 | | mg/Kg | 1 | 5/18/2020 3:59:29 PM | 52507 |
| Ethylbenz | ene | ND | 0.050 | | mg/Kg | 1 | 5/18/2020 3:59:29 PM | 52507 |
| Xylenes, T | Fotal | ND | 0.10 | | mg/Kg | 1 | 5/18/2020 3:59:29 PM | 52507 |
| Surr: 1, | 2-Dichloroethane-d4 | 85.7 | 70-130 | | %Rec | 1 | 5/18/2020 3:59:29 PM | 52507 |
| Surr: 4- | Bromofluorobenzene | 90.1 | 70-130 | | %Rec | 1 | 5/18/2020 3:59:29 PM | 52507 |
| Surr: Di | ibromofluoromethane | 103 | 70-130 | | %Rec | 1 | 5/18/2020 3:59:29 PM | 52507 |
| Surr: To | oluene-d8 | 96.5 | 70-130 | | %Rec | 1 | 5/18/2020 3:59:29 PM | 52507 |

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

Page 2 of 31

Analytical Report Lab Order 2005734

Date Reported: 5/22/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

DEVON Thistle 44H 1RP5372

Client Sample ID: AH-1 2ft Collection Date: 5/14/2020 9:10:00 AM Received Date: 5/16/2020 8:00:00 AM

| Lab ID: 2005734-003 | Matrix: SOIL | | Recei | ved Dat | e: 5/1 | 6/2020 8:00:00 AM | |
|--------------------------------|--------------|----------|-------|---------|---------------|----------------------|-------|
| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
| EPA METHOD 300.0: ANIONS | | | | | | Analyst | CAS |
| Chloride | 81 | 60 | | mg/Kg | 20 | 5/21/2020 3:46:58 PM | 52628 |
| EPA METHOD 8015D MOD: GASOLI | NE RANGE | | | | | Analyst | : JMR |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 5/18/2020 5:25:17 PM | 52507 |
| Surr: BFB | 92.8 | 70-130 | | %Rec | 1 | 5/18/2020 5:25:17 PM | 52507 |
| EPA METHOD 8015M/D: DIESEL RA | NGE ORGANICS | | | | | Analyst | BRM |
| Diesel Range Organics (DRO) | ND | 9.2 | | mg/Kg | 1 | 5/19/2020 9:42:24 PM | 52531 |
| Motor Oil Range Organics (MRO) | ND | 46 | | mg/Kg | 1 | 5/19/2020 9:42:24 PM | 52531 |
| Surr: DNOP | 194 | 55.1-146 | S | %Rec | 1 | 5/19/2020 9:42:24 PM | 52531 |
| EPA METHOD 8260B: VOLATILES S | HORT LIST | | | | | Analyst | : JMR |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/18/2020 5:25:17 PM | 52507 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 5/18/2020 5:25:17 PM | 52507 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 5/18/2020 5:25:17 PM | 52507 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 5/18/2020 5:25:17 PM | 52507 |
| Surr: 1,2-Dichloroethane-d4 | 84.9 | 70-130 | | %Rec | 1 | 5/18/2020 5:25:17 PM | 52507 |
| Surr: 4-Bromofluorobenzene | 88.4 | 70-130 | | %Rec | 1 | 5/18/2020 5:25:17 PM | 52507 |
| Surr: Dibromofluoromethane | 102 | 70-130 | | %Rec | 1 | 5/18/2020 5:25:17 PM | 52507 |
| Surr: Toluene-d8 | 97.2 | 70-130 | | %Rec | 1 | 5/18/2020 5:25:17 PM | 52507 |

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

Page 3 of 31

Analytical Report Lab Order 2005734

Date Reported: 5/22/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

DEVON Thistle 44H 1RP5372

Client Sample ID: AH-2 Surface Collection Date: 5/14/2020 9:25:00 AM Pageiyad Date: 5/16/2020 8:00:00 AM

| Lab ID: 2005734-004 | Matrix: SOIL | | Recei | ved Dat | e: 5/1 | 6/2020 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 | 5/21/2020 3:59:19 PM | 52628 |
| EPA METHOD 8015D MOD: GASOLI | NE RANGE | | | | | Analyst | JMR |
| Gasoline Range Organics (GRO) | 220 | 5.0 | | mg/Kg | 1 | 5/18/2020 5:53:58 PM | 52507 |
| Surr: BFB | 117 | 70-130 | | %Rec | 1 | 5/18/2020 5:53:58 PM | 52507 |
| EPA METHOD 8015M/D: DIESEL RA | NGE ORGANICS | | | | | Analyst | BRM |
| Diesel Range Organics (DRO) | 11000 | 490 | | mg/Kg | 50 | 5/20/2020 10:20:57 PM | 52531 |
| Motor Oil Range Organics (MRO) | 4500 | 2400 | | mg/Kg | 50 | 5/20/2020 10:20:57 PM | 52531 |
| Surr: DNOP | 0 | 55.1-146 | S | %Rec | 50 | 5/20/2020 10:20:57 PM | 52531 |
| EPA METHOD 8260B: VOLATILES S | HORT LIST | | | | | Analyst | JMR |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/18/2020 5:53:58 PM | 52507 |
| Toluene | 0.19 | 0.050 | | mg/Kg | 1 | 5/18/2020 5:53:58 PM | 52507 |
| Ethylbenzene | 1.6 | 0.050 | | mg/Kg | 1 | 5/18/2020 5:53:58 PM | 52507 |
| Xylenes, Total | 9.3 | 0.10 | | mg/Kg | 1 | 5/18/2020 5:53:58 PM | 52507 |
| Surr: 1,2-Dichloroethane-d4 | 93.0 | 70-130 | | %Rec | 1 | 5/18/2020 5:53:58 PM | 52507 |
| Surr: 4-Bromofluorobenzene | 37.8 | 70-130 | S | %Rec | 1 | 5/18/2020 5:53:58 PM | 52507 |
| Surr: Dibromofluoromethane | 104 | 70-130 | | %Rec | 1 | 5/18/2020 5:53:58 PM | 52507 |
| Surr: Toluene-d8 | 96.1 | 70-130 | | %Rec | 1 | 5/18/2020 5:53:58 PM | 52507 |

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

Page 4 of 31

Analytical Report Lab Order 2005734

Date Reported: 5/22/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

DEVON Thistle 44H 1RP5372

Client Sample ID: AH-2 1ft Collection Date: 5/14/2020 9:35:00 AM Received Date: 5/16/2020 8:00:00 AM

| Lab ID: 2005734 | 1-005 | Matrix: SOIL Received Date: 5/16/2020 8:00:0 | | | | | |
|--|--------------------------------|--|----------|------------|----|-----------------------|-------|
| Analyses | | Result | RL | Qual Units | DF | Date Analyzed | Batch |
| EPA METHOD 300 | 0.0: ANIONS | | | | | Analyst | CAS |
| Chloride | | ND | 59 | mg/Kg | 20 | 5/21/2020 4:11:40 PM | 52628 |
| EPA METHOD 801 | 5D MOD: GASOLI | NE RANGE | | | | Analyst | JMR |
| Gasoline Range Or | ganics (GRO) | ND | 4.9 | mg/Kg | 1 | 5/19/2020 4:26:12 AM | 52507 |
| Surr: BFB | | 95.1 | 70-130 | %Rec | 1 | 5/19/2020 4:26:12 AM | 52507 |
| EPA METHOD 801 | 5M/D: DIESEL RAI | NGE ORGANICS | | | | Analyst | BRM |
| Diesel Range Orga | Diesel Range Organics (DRO) | | 10 | mg/Kg | 1 | 5/20/2020 10:45:14 PM | 52531 |
| Motor Oil Range Or | Motor Oil Range Organics (MRO) | | 51 | mg/Kg | 1 | 5/20/2020 10:45:14 PM | 52531 |
| Surr: DNOP | | 98.1 | 55.1-146 | %Rec | 1 | 5/20/2020 10:45:14 PM | 52531 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | HORT LIST | | | | Analyst | JMR |
| Benzene | | ND | 0.025 | mg/Kg | 1 | 5/18/2020 6:22:36 PM | 52507 |
| Toluene | | ND | 0.049 | mg/Kg | 1 | 5/18/2020 6:22:36 PM | 52507 |
| Ethylbenzene | Ethylbenzene | | 0.049 | mg/Kg | 1 | 5/18/2020 6:22:36 PM | 52507 |
| Xylenes, Total | | ND | 0.098 | mg/Kg | 1 | 5/18/2020 6:22:36 PM | 52507 |
| Surr: 1,2-Dichloroethane-d4 | | 87.3 | 70-130 | %Rec | 1 | 5/18/2020 6:22:36 PM | 52507 |
| Surr: 4-Bromofluorobenzene | | 85.0 | 70-130 | %Rec | 1 | 5/18/2020 6:22:36 PM | 52507 |
| Surr: Dibromoflue | oromethane | 106 | 70-130 | %Rec | 1 | 5/18/2020 6:22:36 PM | 52507 |
| Surr: Toluene-d8 | | 97.6 | 70-130 | %Rec | 1 | 5/18/2020 6:22:36 PM | 52507 |

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

Page 5 of 31

Analytical Report Lab Order 2005734

Date Reported: 5/22/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

DEVON Thistle 44H 1RP5372

Client Sample ID: AH-2 2ft Collection Date: 5/14/2020 9:50:00 AM Received Date: 5/16/2020 8:00:00 AM

| Lab ID: 2005 | 734-006 | Matrix: SOIL | Matrix: SOIL Received Date: 5/16/2020 8:00:0 | | | | |
|--|--------------------------------|--------------|--|------------|---------|-----------------------|-------|
| Analyses | | Result | RL | Qual Units | DF | Date Analyzed | Batch |
| EPA METHOD | 300.0: ANIONS | | | | | Analyst | CAS |
| Chloride | | ND | 60 | mg/Kg | 20 | 5/21/2020 4:24:02 PM | 52628 |
| EPA METHOD | 8015D MOD: GASOLI | NE RANGE | | | | Analyst | JMR |
| Gasoline Range | Organics (GRO) | ND | 5.0 | mg/Kg | 1 | 5/18/2020 6:51:13 PM | 52507 |
| Surr: BFB | | 93.9 | 70-130 | %Rec | 1 | 5/18/2020 6:51:13 PM | 52507 |
| EPA METHOD | 8015M/D: DIESEL RA | NGE ORGANICS | | | | Analyst | BRM |
| Diesel Range O | Diesel Range Organics (DRO) | | 9.1 | mg/Kg | 1 | 5/20/2020 11:09:34 PM | 52531 |
| Motor Oil Range | Motor Oil Range Organics (MRO) | | 45 | mg/Kg | 1 | 5/20/2020 11:09:34 PM | 52531 |
| Surr: DNOP | Surr: DNOP | | 55.1-146 | %Rec | 1 | 5/20/2020 11:09:34 PM | 52531 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | Analyst | JMR | |
| Benzene | | ND | 0.025 | mg/Kg | 1 | 5/18/2020 6:51:13 PM | 52507 |
| Toluene | | ND | 0.050 | mg/Kg | 1 | 5/18/2020 6:51:13 PM | 52507 |
| Ethylbenzene | Ethylbenzene | | 0.050 | mg/Kg | 1 | 5/18/2020 6:51:13 PM | 52507 |
| Xylenes, Total | Xylenes, Total | | 0.099 | mg/Kg | 1 | 5/18/2020 6:51:13 PM | 52507 |
| Surr: 1,2-Dichloroethane-d4 | | 87.5 | 70-130 | %Rec | 1 | 5/18/2020 6:51:13 PM | 52507 |
| Surr: 4-Bromofluorobenzene | | 92.0 | 70-130 | %Rec | 1 | 5/18/2020 6:51:13 PM | 52507 |
| Surr: Dibromo | ofluoromethane | 104 | 70-130 | %Rec | 1 | 5/18/2020 6:51:13 PM | 52507 |
| Surr: Toluene | e-d8 | 96.4 | 70-130 | %Rec | 1 | 5/18/2020 6:51:13 PM | 52507 |

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

Page 6 of 31

Analytical Report Lab Order 2005734

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

DEVON Thistle 44H 1RP5372

Date Reported: 5/22/2020 Client Sample ID: AH-3 Surface Collection Date: 5/14/2020 10:00:00 AM Received Date: 5/16/2020 8:00:00 AM

| Lab ID: 2005734-007 | Matrix: SOIL | 16/2020 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 | 5/21/2020 4:36:22 PM | 52628 |
| EPA METHOD 8015D MOD: GASOLINE F | RANGE | | | | Analyst | JMR |
| Gasoline Range Organics (GRO) | ND | 4.9 | mg/Kg | 1 | 5/18/2020 7:19:47 PM | 52507 |
| Surr: BFB | 94.7 | 70-130 | %Rec | 1 | 5/18/2020 7:19:47 PM | 52507 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | Analyst | BRM |
| Diesel Range Organics (DRO) | ND | 9.3 | mg/Kg | 1 | 5/20/2020 11:33:42 PM | 52531 |
| Motor Oil Range Organics (MRO) | ND | 46 | mg/Kg | 1 | 5/20/2020 11:33:42 PM | 52531 |
| Surr: DNOP | 131 | 55.1-146 | %Rec | 1 | 5/20/2020 11:33:42 PM | 52531 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | Analyst | JMR |
| Benzene | ND | 0.025 | mg/Kg | 1 | 5/18/2020 7:19:47 PM | 52507 |
| Toluene | ND | 0.049 | mg/Kg | 1 | 5/18/2020 7:19:47 PM | 52507 |
| Ethylbenzene | ND | 0.049 | mg/Kg | 1 | 5/18/2020 7:19:47 PM | 52507 |
| Xylenes, Total | ND | 0.099 | mg/Kg | 1 | 5/18/2020 7:19:47 PM | 52507 |
| Surr: 1,2-Dichloroethane-d4 | 86.6 | 70-130 | %Rec | 1 | 5/18/2020 7:19:47 PM | 52507 |
| Surr: 4-Bromofluorobenzene | 90.7 | 70-130 | %Rec | 1 | 5/18/2020 7:19:47 PM | 52507 |
| Surr: Dibromofluoromethane | 105 | 70-130 | %Rec | 1 | 5/18/2020 7:19:47 PM | 52507 |
| Surr: Toluene-d8 | 95.7 | 70-130 | %Rec | 1 | 5/18/2020 7:19:47 PM | 52507 |

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

Page 7 of 31

Analytical Report Lab Order 2005734

Date Reported: 5/22/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

DEVON Thistle 44H 1RP5372

Client Sample ID: AH-3 1ft Collection Date: 5/14/2020 10:15:00 AM Received Date: 5/16/2020 8:00:00 AM

| Lab ID: 2005734-008 | Matrix: SOIL | 16/2020 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 | 5/21/2020 4:48:43 PM | 52628 |
| EPA METHOD 8015D MOD: GASOLI | NE RANGE | | | | Analyst | JMR |
| Gasoline Range Organics (GRO) | ND | 5.0 | mg/Kg | 1 | 5/18/2020 7:48:21 PM | 52507 |
| Surr: BFB | 94.8 | 70-130 | %Rec | 1 | 5/18/2020 7:48:21 PM | 52507 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | Analyst | BRM |
| Diesel Range Organics (DRO) | ND | 9.2 | mg/Kg | 1 | 5/20/2020 11:58:01 PM | 52531 |
| Motor Oil Range Organics (MRO) | ND | 46 | mg/Kg | 1 | 5/20/2020 11:58:01 PM | 52531 |
| Surr: DNOP | 62.3 | 55.1-146 | %Rec | 1 | 5/20/2020 11:58:01 PM | 52531 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | Analyst | JMR |
| Benzene | ND | 0.025 | mg/Kg | 1 | 5/18/2020 7:48:21 PM | 52507 |
| Toluene | ND | 0.050 | mg/Kg | 1 | 5/18/2020 7:48:21 PM | 52507 |
| Ethylbenzene | ND | 0.050 | mg/Kg | 1 | 5/18/2020 7:48:21 PM | 52507 |
| Xylenes, Total | ND | 0.10 | mg/Kg | 1 | 5/18/2020 7:48:21 PM | 52507 |
| Surr: 1,2-Dichloroethane-d4 | 85.6 | 70-130 | %Rec | 1 | 5/18/2020 7:48:21 PM | 52507 |
| Surr: 4-Bromofluorobenzene | 92.4 | 70-130 | %Rec | 1 | 5/18/2020 7:48:21 PM | 52507 |
| Surr: Dibromofluoromethane | 102 | 70-130 | %Rec | 1 | 5/18/2020 7:48:21 PM | 52507 |
| Surr: Toluene-d8 | 96.8 | 70-130 | %Rec | 1 | 5/18/2020 7:48:21 PM | 52507 |

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

Page 8 of 31

2005734-009

EPA METHOD 300.0: ANIONS

Project:

Lab ID:

Analyses

Chloride

Analytical Report Lab Order 2005734

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 5/22/2020 **CLIENT:** Safety & Environmental Solutions Client Sample ID: AH-4 Surface DEVON Thistle 44H 1RP5372 Collection Date: 5/14/2020 10:25:00 AM Matrix: SOIL Received Date: 5/16/2020 8:00:00 AM Result **RL** Oual Units **DF** Date Analyzed Batch Analyst: CAS ND 60 mg/Kg 20 5/21/2020 5:01:03 PM 52628 2

| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | Analyst: | JMR |
|--|------|----------|---|-------|----|-----------------------|-------|
| Gasoline Range Organics (GRO) | ND | 25 | D | mg/Kg | 5 | 5/18/2020 8:17:00 PM | 52507 |
| Surr: BFB | 97.2 | 70-130 | D | %Rec | 5 | 5/18/2020 8:17:00 PM | 52507 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGA | NICS | | | | | Analyst: | BRM |
| Diesel Range Organics (DRO) | 9000 | 480 | | mg/Kg | 50 | 5/21/2020 12:22:10 AM | 52531 |
| Motor Oil Range Organics (MRO) | 4300 | 2400 | | mg/Kg | 50 | 5/21/2020 12:22:10 AM | 52531 |
| Surr: DNOP | 0 | 55.1-146 | S | %Rec | 50 | 5/21/2020 12:22:10 AM | 52531 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | Analyst: | JMR |
| Benzene | ND | 0.12 | D | mg/Kg | 5 | 5/18/2020 8:17:00 PM | 52507 |
| Toluene | ND | 0.25 | D | mg/Kg | 5 | 5/18/2020 8:17:00 PM | 52507 |
| Ethylbenzene | ND | 0.25 | D | mg/Kg | 5 | 5/18/2020 8:17:00 PM | 52507 |
| Xylenes, Total | ND | 0.50 | D | mg/Kg | 5 | 5/18/2020 8:17:00 PM | 52507 |
| Surr: 1,2-Dichloroethane-d4 | 84.5 | 70-130 | D | %Rec | 5 | 5/18/2020 8:17:00 PM | 52507 |
| Surr: 4-Bromofluorobenzene | 86.7 | 70-130 | D | %Rec | 5 | 5/18/2020 8:17:00 PM | 52507 |
| Surr: Dibromofluoromethane | 102 | 70-130 | D | %Rec | 5 | 5/18/2020 8:17:00 PM | 52507 |
| Surr: Toluene-d8 | 94.0 | 70-130 | D | %Rec | 5 | 5/18/2020 8:17:00 PM | 52507 |

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
- Practical Quanitative Limit PQL
- % 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 9 of 31

Project: Lab ID: Analytical Report Lab Order 2005734

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

2005734-010

DEVON Thistle 44H 1RP5372

Date Reported: 5/22/2020 Client Sample ID: AH-4 1ft Collection Date: 5/14/2020 10:35:00 AM

Received Date: 5/16/2020 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 | 5/21/2020 5:38:04 PM | 52628 |
| EPA METHOD 8015D MOD: GASOLINE RAM | IGE | | | | Analyst | : JMR |
| Gasoline Range Organics (GRO) | ND | 5.0 | mg/Kg | 1 | 5/18/2020 8:45:33 PM | 52507 |
| Surr: BFB | 94.2 | 70-130 | %Rec | 1 | 5/18/2020 8:45:33 PM | 52507 |
| EPA METHOD 8015M/D: DIESEL RANGE OI | RGANICS | | | | Analyst | BRM |
| Diesel Range Organics (DRO) | 17 | 10 | mg/Kg | 1 | 5/21/2020 12:46:29 AN | 52531 |
| Motor Oil Range Organics (MRO) | ND | 51 | mg/Kg | 1 | 5/21/2020 12:46:29 AM | 52531 |
| Surr: DNOP | 100 | 55.1-146 | %Rec | 1 | 5/21/2020 12:46:29 AM | 52531 |
| EPA METHOD 8260B: VOLATILES SHORT I | lst | | | | Analyst | : JMR |
| Benzene | ND | 0.025 | mg/Kg | 1 | 5/18/2020 8:45:33 PM | 52507 |
| Toluene | ND | 0.050 | mg/Kg | 1 | 5/18/2020 8:45:33 PM | 52507 |
| Ethylbenzene | ND | 0.050 | mg/Kg | 1 | 5/18/2020 8:45:33 PM | 52507 |
| Xylenes, Total | ND | 0.10 | mg/Kg | 1 | 5/18/2020 8:45:33 PM | 52507 |
| Surr: 1,2-Dichloroethane-d4 | 85.3 | 70-130 | %Rec | 1 | 5/18/2020 8:45:33 PM | 52507 |
| Surr: 4-Bromofluorobenzene | 88.9 | 70-130 | %Rec | 1 | 5/18/2020 8:45:33 PM | 52507 |
| Surr: Dibromofluoromethane | 101 | 70-130 | %Rec | 1 | 5/18/2020 8:45:33 PM | 52507 |
| Surr: Toluene-d8 | 97.3 | 70-130 | %Rec | 1 | 5/18/2020 8:45:33 PM | 52507 |

Matrix: SOIL

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

Page 10 of 31

Project: Lab ID: Analytical Report Lab Order 2005734

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

2005734-011

DEVON Thistle 44H 1RP5372

Date Reported: 5/22/2020 Client Sample ID: AH-4 2ft Collection Date: 5/14/2020 10:45:00 AM

Received Date: 5/16/2020 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 | 5/21/2020 5:50:25 PM | 52628 |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | Analyst | JMR |
| Gasoline Range Organics (GRO) | ND | 5.0 | mg/Kg | 1 | 5/18/2020 9:14:24 PM | 52507 |
| Surr: BFB | 95.1 | 70-130 | %Rec | 1 | 5/18/2020 9:14:24 PM | 52507 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGA | NICS | | | | Analyst | BRM |
| Diesel Range Organics (DRO) | ND | 8.8 | mg/Kg | 1 | 5/21/2020 1:10:38 AM | 52531 |
| Motor Oil Range Organics (MRO) | ND | 44 | mg/Kg | 1 | 5/21/2020 1:10:38 AM | 52531 |
| Surr: DNOP | 101 | 55.1-146 | %Rec | 1 | 5/21/2020 1:10:38 AM | 52531 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | Analyst | JMR |
| Benzene | ND | 0.025 | mg/Kg | 1 | 5/18/2020 9:14:24 PM | 52507 |
| Toluene | ND | 0.050 | mg/Kg | 1 | 5/18/2020 9:14:24 PM | 52507 |
| Ethylbenzene | ND | 0.050 | mg/Kg | 1 | 5/18/2020 9:14:24 PM | 52507 |
| Xylenes, Total | ND | 0.099 | mg/Kg | 1 | 5/18/2020 9:14:24 PM | 52507 |
| Surr: 1,2-Dichloroethane-d4 | 84.5 | 70-130 | %Rec | 1 | 5/18/2020 9:14:24 PM | 52507 |
| Surr: 4-Bromofluorobenzene | 89.2 | 70-130 | %Rec | 1 | 5/18/2020 9:14:24 PM | 52507 |
| Surr: Dibromofluoromethane | 105 | 70-130 | %Rec | 1 | 5/18/2020 9:14:24 PM | 52507 |
| Surr: Toluene-d8 | 97.9 | 70-130 | %Rec | 1 | 5/18/2020 9:14:24 PM | 52507 |

Matrix: SOIL

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

Page 11 of 31

Analytical Report Lab Order 2005734

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Project: DEVON Thistle 44H 1RP5372

Date Reported: 5/22/2020 Client Sample ID: AH-5 Surface Collection Date: 5/14/2020 11:00:00 AM

| Lab ID: 2005734-012 | Matrix: SOIL | Received Date: 5/16/2020 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 | 5/21/2020 6:02:47 PM | 52628 | |
| EPA METHOD 8015D MOD: GASOLINI | E RANGE | | | | Analyst | : JMR | |
| Gasoline Range Organics (GRO) | ND | 5.0 | mg/Kg | 1 | 5/18/2020 9:43:09 PM | 52507 | |
| Surr: BFB | 95.5 | 70-130 | %Rec | 1 | 5/18/2020 9:43:09 PM | 52507 | |
| EPA METHOD 8015M/D: DIESEL RANG | GE ORGANICS | | | | Analyst | BRM | |
| Diesel Range Organics (DRO) | ND | 9.4 | mg/Kg | 1 | 5/21/2020 1:34:53 AM | 52531 | |
| Motor Oil Range Organics (MRO) | ND | 47 | mg/Kg | 1 | 5/21/2020 1:34:53 AM | 52531 | |
| Surr: DNOP | 82.9 | 55.1-146 | %Rec | 1 | 5/21/2020 1:34:53 AM | 52531 | |
| EPA METHOD 8260B: VOLATILES SH | ORT LIST | | | | Analyst | : JMR | |
| Benzene | ND | 0.025 | mg/Kg | 1 | 5/18/2020 9:43:09 PM | 52507 | |
| Toluene | ND | 0.050 | mg/Kg | 1 | 5/18/2020 9:43:09 PM | 52507 | |
| Ethylbenzene | ND | 0.050 | mg/Kg | 1 | 5/18/2020 9:43:09 PM | 52507 | |
| Xylenes, Total | ND | 0.10 | mg/Kg | 1 | 5/18/2020 9:43:09 PM | 52507 | |
| Surr: 1,2-Dichloroethane-d4 | 86.0 | 70-130 | %Rec | 1 | 5/18/2020 9:43:09 PM | 52507 | |
| Surr: 4-Bromofluorobenzene | 93.5 | 70-130 | %Rec | 1 | 5/18/2020 9:43:09 PM | 52507 | |
| Surr: Dibromofluoromethane | 102 | 70-130 | %Rec | 1 | 5/18/2020 9:43:09 PM | 52507 | |
| Surr: Toluene-d8 | 97.0 | 70-130 | %Rec | 1 | 5/18/2020 9:43:09 PM | 52507 | |

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

Page 12 of 31

Analytical Report Lab Order 2005734

Date Reported: 5/22/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

DEVON Thistle 44H 1RP5372

Client Sample ID: AH-5 1ft Collection Date: 5/14/2020 11:15:00 AM Received Date: 5/16/2020 8:00:00 AM

| Lab ID: 2005734-013 | Matrix: SOIL | | Received Date | e: 5/1 | 6/2020 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 | 5/21/2020 6:15:08 PM | 52628 |
| EPA METHOD 8015D MOD: GASO | LINE RANGE | | | | Analyst | JMR |
| Gasoline Range Organics (GRO) | ND | 5.0 | mg/Kg | 1 | 5/18/2020 10:12:02 PM | 52507 |
| Surr: BFB | 94.4 | 70-130 | %Rec | 1 | 5/18/2020 10:12:02 PM | 52507 |
| EPA METHOD 8015M/D: DIESEL R | ANGE ORGANICS | | | | Analyst | BRM |
| Diesel Range Organics (DRO) | ND | 8.9 | mg/Kg | 1 | 5/21/2020 1:59:03 AM | 52531 |
| Motor Oil Range Organics (MRO) | ND | 44 | mg/Kg | 1 | 5/21/2020 1:59:03 AM | 52531 |
| Surr: DNOP | 71.4 | 55.1-146 | %Rec | 1 | 5/21/2020 1:59:03 AM | 52531 |
| EPA METHOD 8260B: VOLATILES | SHORT LIST | | | | Analyst | JMR |
| Benzene | ND | 0.025 | mg/Kg | 1 | 5/18/2020 10:12:02 PM | 52507 |
| Toluene | ND | 0.050 | mg/Kg | 1 | 5/18/2020 10:12:02 PM | 52507 |
| Ethylbenzene | ND | 0.050 | mg/Kg | 1 | 5/18/2020 10:12:02 PM | 52507 |
| Xylenes, Total | ND | 0.099 | mg/Kg | 1 | 5/18/2020 10:12:02 PM | 52507 |
| Surr: 1,2-Dichloroethane-d4 | 85.3 | 70-130 | %Rec | 1 | 5/18/2020 10:12:02 PM | 52507 |
| Surr: 4-Bromofluorobenzene | 92.1 | 70-130 | %Rec | 1 | 5/18/2020 10:12:02 PM | 52507 |
| Surr: Dibromofluoromethane | 103 | 70-130 | %Rec | 1 | 5/18/2020 10:12:02 PM | 52507 |
| Surr: Toluene-d8 | 96.7 | 70-130 | %Rec | 1 | 5/18/2020 10:12:02 PM | 52507 |

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

Page 13 of 31

Lab ID:

Analytical Report Lab Order 2005734

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

2005734-014

DEVON Thistle 44H 1RP5372

Date Reported: 5/22/2020 Client Sample ID: AH-6 Surface Collection Date: 5/14/2020 11:40:00 AM

Received Date: 5/16/2020 8:00:00 AM

| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch |
|--|--------|----------|------------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst | CAS |
| Chloride | 270 | 60 | mg/Kg | 20 | 5/21/2020 6:27:29 PM | 52628 |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | Analyst | JMR |
| Gasoline Range Organics (GRO) | ND | 4.9 | mg/Kg | 1 | 5/18/2020 10:40:53 PM | 52507 |
| Surr: BFB | 95.3 | 70-130 | %Rec | 1 | 5/18/2020 10:40:53 PM | 52507 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGA | NICS | | | | Analyst | CLP |
| Diesel Range Organics (DRO) | ND | 9.1 | mg/Kg | 1 | 5/22/2020 10:34:55 AM | 52531 |
| Motor Oil Range Organics (MRO) | ND | 45 | mg/Kg | 1 | 5/22/2020 10:34:55 AM | 52531 |
| Surr: DNOP | 61.0 | 55.1-146 | %Rec | 1 | 5/22/2020 10:34:55 AM | 52531 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | Analyst | JMR |
| Benzene | ND | 0.024 | mg/Kg | 1 | 5/18/2020 10:40:53 PM | 52507 |
| Toluene | ND | 0.049 | mg/Kg | 1 | 5/18/2020 10:40:53 PM | 52507 |
| Ethylbenzene | ND | 0.049 | mg/Kg | 1 | 5/18/2020 10:40:53 PM | 52507 |
| Xylenes, Total | ND | 0.098 | mg/Kg | 1 | 5/18/2020 10:40:53 PM | 52507 |
| Surr: 1,2-Dichloroethane-d4 | 87.7 | 70-130 | %Rec | 1 | 5/18/2020 10:40:53 PM | 52507 |
| Surr: 4-Bromofluorobenzene | 90.4 | 70-130 | %Rec | 1 | 5/18/2020 10:40:53 PM | 52507 |
| Surr: Dibromofluoromethane | 106 | 70-130 | %Rec | 1 | 5/18/2020 10:40:53 PM | 52507 |
| Surr: Toluene-d8 | 98.4 | 70-130 | %Rec | 1 | 5/18/2020 10:40:53 PM | 52507 |

Matrix: SOIL

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

Page 14 of 31

Analytical Report Lab Order 2005734

Date Reported: 5/22/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

DEVON Thistle 44H 1RP5372

Client Sample ID: AH-6 1ft Collection Date: 5/14/2020 11:55:00 AM Received Date: 5/16/2020 8:00:00 AM

| Lab ID: 2005734-015 | Matrix: SOIL | | Received Date | e: 5/1 | 6/2020 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 | 5/21/2020 6:39:50 PM | 52628 |
| EPA METHOD 8015D MOD: GASOLI | NE RANGE | | | | Analyst | JMR |
| Gasoline Range Organics (GRO) | ND | 4.9 | mg/Kg | 1 | 5/18/2020 11:09:31 PM | 52507 |
| Surr: BFB | 94.8 | 70-130 | %Rec | 1 | 5/18/2020 11:09:31 PM | 52507 |
| EPA METHOD 8015M/D: DIESEL RA | NGE ORGANICS | | | | Analyst | BRM |
| Diesel Range Organics (DRO) | ND | 8.4 | mg/Kg | 1 | 5/21/2020 2:47:26 AM | 52531 |
| Motor Oil Range Organics (MRO) | ND | 42 | mg/Kg | 1 | 5/21/2020 2:47:26 AM | 52531 |
| Surr: DNOP | 127 | 55.1-146 | %Rec | 1 | 5/21/2020 2:47:26 AM | 52531 |
| EPA METHOD 8260B: VOLATILES S | HORT LIST | | | | Analyst | JMR |
| Benzene | ND | 0.025 | mg/Kg | 1 | 5/18/2020 11:09:31 PM | 52507 |
| Toluene | ND | 0.049 | mg/Kg | 1 | 5/18/2020 11:09:31 PM | 52507 |
| Ethylbenzene | ND | 0.049 | mg/Kg | 1 | 5/18/2020 11:09:31 PM | 52507 |
| Xylenes, Total | ND | 0.098 | mg/Kg | 1 | 5/18/2020 11:09:31 PM | 52507 |
| Surr: 1,2-Dichloroethane-d4 | 83.0 | 70-130 | %Rec | 1 | 5/18/2020 11:09:31 PM | 52507 |
| Surr: 4-Bromofluorobenzene | 91.3 | 70-130 | %Rec | 1 | 5/18/2020 11:09:31 PM | 52507 |
| Surr: Dibromofluoromethane | 103 | 70-130 | %Rec | 1 | 5/18/2020 11:09:31 PM | 52507 |
| Surr: Toluene-d8 | 95.5 | 70-130 | %Rec | 1 | 5/18/2020 11:09:31 PM | 52507 |

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

Page 15 of 31

Lab ID:

Analytical Report Lab Order 2005734

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

2005734-016

DEVON Thistle 44H 1RP5372

Date Reported: 5/22/2020 Client Sample ID: AH-7 Surface Collection Date: 5/14/2020 12:00:00 PM

Received Date: 5/16/2020 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 | 5/21/2020 8:06:14 PM | 52637 |
| EPA METHOD 8015D MOD: GASOLINE RANG | iΕ | | | | Analyst | : JMR |
| Gasoline Range Organics (GRO) | ND | 4.9 | mg/Kg | 1 | 5/19/2020 2:02:02 AM | 52507 |
| Surr: BFB | 95.7 | 70-130 | %Rec | 1 | 5/19/2020 2:02:02 AM | 52507 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | SANICS | | | | Analyst | BRM |
| Diesel Range Organics (DRO) | ND | 9.3 | mg/Kg | 1 | 5/21/2020 3:11:41 AM | 52531 |
| Motor Oil Range Organics (MRO) | ND | 47 | mg/Kg | 1 | 5/21/2020 3:11:41 AM | 52531 |
| Surr: DNOP | 98.0 | 55.1-146 | %Rec | 1 | 5/21/2020 3:11:41 AM | 52531 |
| EPA METHOD 8260B: VOLATILES SHORT LIS | ST | | | | Analyst | : JMR |
| Benzene | ND | 0.024 | mg/Kg | 1 | 5/19/2020 2:02:02 AM | 52507 |
| Toluene | ND | 0.049 | mg/Kg | 1 | 5/19/2020 2:02:02 AM | 52507 |
| Ethylbenzene | ND | 0.049 | mg/Kg | 1 | 5/19/2020 2:02:02 AM | 52507 |
| Xylenes, Total | ND | 0.098 | mg/Kg | 1 | 5/19/2020 2:02:02 AM | 52507 |
| Surr: 1,2-Dichloroethane-d4 | 84.0 | 70-130 | %Rec | 1 | 5/19/2020 2:02:02 AM | 52507 |
| Surr: 4-Bromofluorobenzene | 92.2 | 70-130 | %Rec | 1 | 5/19/2020 2:02:02 AM | 52507 |
| Surr: Dibromofluoromethane | 103 | 70-130 | %Rec | 1 | 5/19/2020 2:02:02 AM | 52507 |
| Surr: Toluene-d8 | 96.5 | 70-130 | %Rec | 1 | 5/19/2020 2:02:02 AM | 52507 |

Matrix: SOIL

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

Page 16 of 31

Analytical Report Lab Order 2005734

Date Reported: 5/22/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

DEVON Thistle 44H 1RP5372

Client Sample ID: AH-7 1ft Collection Date: 5/14/2020 12:10:00 PM Received Date: 5/16/2020 8:00:00 AM

| Lab ID: 2005734-017 | Matrix: SOIL | | Received Date | e: 5/1 | 6/2020 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 | 5/21/2020 8:43:17 PM | 52637 |
| EPA METHOD 8015D MOD: GASOLI | NE RANGE | | | | Analyst | JMR |
| Gasoline Range Organics (GRO) | ND | 5.0 | mg/Kg | 1 | 5/19/2020 2:30:49 AM | 52507 |
| Surr: BFB | 92.4 | 70-130 | %Rec | 1 | 5/19/2020 2:30:49 AM | 52507 |
| EPA METHOD 8015M/D: DIESEL RA | NGE ORGANICS | | | | Analyst | BRM |
| Diesel Range Organics (DRO) | 13 | 9.0 | mg/Kg | 1 | 5/21/2020 3:35:37 AM | 52531 |
| Motor Oil Range Organics (MRO) | ND | 45 | mg/Kg | 1 | 5/21/2020 3:35:37 AM | 52531 |
| Surr: DNOP | 93.5 | 55.1-146 | %Rec | 1 | 5/21/2020 3:35:37 AM | 52531 |
| EPA METHOD 8260B: VOLATILES S | HORT LIST | | | | Analyst | : JMR |
| Benzene | ND | 0.025 | mg/Kg | 1 | 5/19/2020 2:30:49 AM | 52507 |
| Toluene | ND | 0.050 | mg/Kg | 1 | 5/19/2020 2:30:49 AM | 52507 |
| Ethylbenzene | ND | 0.050 | mg/Kg | 1 | 5/19/2020 2:30:49 AM | 52507 |
| Xylenes, Total | ND | 0.099 | mg/Kg | 1 | 5/19/2020 2:30:49 AM | 52507 |
| Surr: 1,2-Dichloroethane-d4 | 87.0 | 70-130 | %Rec | 1 | 5/19/2020 2:30:49 AM | 52507 |
| Surr: 4-Bromofluorobenzene | 91.5 | 70-130 | %Rec | 1 | 5/19/2020 2:30:49 AM | 52507 |
| Surr: Dibromofluoromethane | 106 | 70-130 | %Rec | 1 | 5/19/2020 2:30:49 AM | 52507 |
| Surr: Toluene-d8 | 95.6 | 70-130 | %Rec | 1 | 5/19/2020 2:30:49 AM | 52507 |

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

Page 17 of 31

Lab ID:

Analytical Report Lab Order 2005734

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

2005734-018

DEVON Thistle 44H 1RP5372

Date Reported: 5/22/2020
Client Sample ID: AH-8 Surface

Collection Date: 5/14/2020 12:20:00 PM Received Date: 5/16/2020 8:00:00 AM

| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch |
|--|--------|----------|------------|----|----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst | CAS |
| Chloride | 270 | 60 | mg/Kg | 20 | 5/21/2020 8:55:37 PM | 52637 |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | Analyst | : JMR |
| Gasoline Range Organics (GRO) | ND | 5.0 | mg/Kg | 1 | 5/19/2020 2:59:48 AM | 52507 |
| Surr: BFB | 96.5 | 70-130 | %Rec | 1 | 5/19/2020 2:59:48 AM | 52507 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGA | NICS | | | | Analyst | BRM |
| Diesel Range Organics (DRO) | ND | 9.5 | mg/Kg | 1 | 5/21/2020 3:59:47 AM | 52531 |
| Motor Oil Range Organics (MRO) | ND | 48 | mg/Kg | 1 | 5/21/2020 3:59:47 AM | 52531 |
| Surr: DNOP | 93.3 | 55.1-146 | %Rec | 1 | 5/21/2020 3:59:47 AM | 52531 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | Analyst | JMR |
| Benzene | ND | 0.025 | mg/Kg | 1 | 5/19/2020 2:59:48 AM | 52507 |
| Toluene | ND | 0.050 | mg/Kg | 1 | 5/19/2020 2:59:48 AM | 52507 |
| Ethylbenzene | ND | 0.050 | mg/Kg | 1 | 5/19/2020 2:59:48 AM | 52507 |
| Xylenes, Total | ND | 0.099 | mg/Kg | 1 | 5/19/2020 2:59:48 AM | 52507 |
| Surr: 1,2-Dichloroethane-d4 | 85.6 | 70-130 | %Rec | 1 | 5/19/2020 2:59:48 AM | 52507 |
| Surr: 4-Bromofluorobenzene | 92.7 | 70-130 | %Rec | 1 | 5/19/2020 2:59:48 AM | 52507 |
| Surr: Dibromofluoromethane | 106 | 70-130 | %Rec | 1 | 5/19/2020 2:59:48 AM | 52507 |
| Surr: Toluene-d8 | 95.7 | 70-130 | %Rec | 1 | 5/19/2020 2:59:48 AM | 52507 |

Matrix: SOIL

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

Page 18 of 31

Analytical Report Lab Order 2005734

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

DEVON Thistle 44H 1RP5372

Date Reported: 5/22/2020
Client Sample ID: AH-8 1ft

Collection Date: 5/14/2020 12:35:00 PM

Lab ID: 2005734-019 Matrix: SOIL Received Date: 5/16/2020 8:00:00 AM Result **RL** Oual Units **DF** Date Analyzed Batch Analyses **EPA METHOD 300.0: ANIONS** Analyst: CAS Chloride 85 60 mg/Kg 20 5/21/2020 9:07:58 PM 52637 **EPA METHOD 8015D MOD: GASOLINE RANGE** Analyst: JMR Gasoline Range Organics (GRO) ND 4.9 mg/Kg 1 5/19/2020 3:28:45 AM 52507 Surr: BFB 70-130 94.7 %Rec 1 5/19/2020 3:28:45 AM 52507 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: BRM **Diesel Range Organics (DRO)** ND 9.4 mg/Kg 1 5/21/2020 4:23:50 AM 52531 Motor Oil Range Organics (MRO) ND mg/Kg 1 5/21/2020 4:23:50 AM 52531 47 Surr: DNOP 118 55.1-146 %Rec 5/21/2020 4:23:50 AM 52531 1 **EPA METHOD 8260B: VOLATILES SHORT LIST** Analyst: JMR ND 5/19/2020 3:28:45 AM 52507 Benzene 0.025 mg/Kg 1 Toluene ND 0.049 mg/Kg 1 5/19/2020 3:28:45 AM 52507 Ethylbenzene ND 0.049 mg/Kg 1 5/19/2020 3:28:45 AM 52507 Xylenes, Total ND 0.099 mg/Kg 5/19/2020 3:28:45 AM 52507 1 Surr: 1,2-Dichloroethane-d4 87.9 70-130 %Rec 1 5/19/2020 3:28:45 AM 52507 Surr: 4-Bromofluorobenzene 89.6 70-130 %Rec 1 5/19/2020 3:28:45 AM 52507 5/19/2020 3:28:45 AM Surr: Dibromofluoromethane 106 70-130 %Rec 1 52507 Surr: Toluene-d8 97.3 70-130 %Rec 1 5/19/2020 3:28:45 AM 52507

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

Page 19 of 31

Lab ID:

Analytical Report Lab Order 2005734

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

2005734-020

DEVON Thistle 44H 1RP5372

Date Reported: 5/22/2020 Client Sample ID: AH-9 Surface Collection Date: 5/14/2020 12:45:00 PM

Received Date: 5/16/2020 8:00:00 AM

| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch |
|---------------------------------------|--------|----------|------------|----|----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analys | CAS |
| Chloride | ND | 60 | mg/Kg | 20 | 5/21/2020 9:20:19 PM | 52637 |
| EPA METHOD 8015D MOD: GASOLINE RANGE | E | | | | Analys | : JMR |
| Gasoline Range Organics (GRO) | ND | 5.0 | mg/Kg | 1 | 5/19/2020 3:57:29 AM | 52507 |
| Surr: BFB | 95.0 | 70-130 | %Rec | 1 | 5/19/2020 3:57:29 AM | 52507 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | ANICS | | | | Analys | BRM |
| Diesel Range Organics (DRO) | ND | 9.5 | mg/Kg | 1 | 5/21/2020 4:47:52 AM | 52531 |
| Motor Oil Range Organics (MRO) | ND | 47 | mg/Kg | 1 | 5/21/2020 4:47:52 AM | 52531 |
| Surr: DNOP | 106 | 55.1-146 | %Rec | 1 | 5/21/2020 4:47:52 AM | 52531 |
| EPA METHOD 8260B: VOLATILES SHORT LIS | т | | | | Analys | : JMR |
| Benzene | ND | 0.025 | mg/Kg | 1 | 5/19/2020 3:57:29 AM | 52507 |
| Toluene | ND | 0.050 | mg/Kg | 1 | 5/19/2020 3:57:29 AM | 52507 |
| Ethylbenzene | ND | 0.050 | mg/Kg | 1 | 5/19/2020 3:57:29 AM | 52507 |
| Xylenes, Total | ND | 0.099 | mg/Kg | 1 | 5/19/2020 3:57:29 AM | 52507 |
| Surr: 1,2-Dichloroethane-d4 | 84.9 | 70-130 | %Rec | 1 | 5/19/2020 3:57:29 AM | 52507 |
| Surr: 4-Bromofluorobenzene | 90.8 | 70-130 | %Rec | 1 | 5/19/2020 3:57:29 AM | 52507 |
| Surr: Dibromofluoromethane | 104 | 70-130 | %Rec | 1 | 5/19/2020 3:57:29 AM | 52507 |
| Surr: Toluene-d8 | 97.6 | 70-130 | %Rec | 1 | 5/19/2020 3:57:29 AM | 52507 |

Matrix: SOIL

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

Page 20 of 31

Project: Lab ID: Analytical Report Lab Order 2005734

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

2005734-021

DEVON Thistle 44H 1RP5372

Date Reported: 5/22/2020 Client Sample ID: AH-9 1ft Collection Date: 5/14/2020 12:55:00 PM

Received Date: 5/16/2020 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 | 5/21/2020 9:32:40 PM | 52637 |
| EPA METHOD 8015D MOD: GASOLINE RANG | Ε | | | | Analyst | JMR |
| Gasoline Range Organics (GRO) | ND | 4.9 | mg/Kg | 1 | 5/19/2020 12:18:44 AM | 52508 |
| Surr: BFB | 99.2 | 70-130 | %Rec | 1 | 5/19/2020 12:18:44 AM | 52508 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | SANICS | | | | Analyst | CLP |
| Diesel Range Organics (DRO) | 12 | 9.5 | mg/Kg | 1 | 5/19/2020 10:45:36 PM | 52538 |
| Motor Oil Range Organics (MRO) | ND | 47 | mg/Kg | 1 | 5/19/2020 10:45:36 PM | 52538 |
| Surr: DNOP | 69.2 | 55.1-146 | %Rec | 1 | 5/19/2020 10:45:36 PM | 52538 |
| EPA METHOD 8260B: VOLATILES SHORT LIS | ST | | | | Analyst | : JMR |
| Benzene | ND | 0.024 | mg/Kg | 1 | 5/19/2020 12:18:44 AM | 52508 |
| Toluene | ND | 0.049 | mg/Kg | 1 | 5/19/2020 12:18:44 AM | 52508 |
| Ethylbenzene | ND | 0.049 | mg/Kg | 1 | 5/19/2020 12:18:44 AM | 52508 |
| Xylenes, Total | ND | 0.097 | mg/Kg | 1 | 5/19/2020 12:18:44 AM | 52508 |
| Surr: 1,2-Dichloroethane-d4 | 91.0 | 70-130 | %Rec | 1 | 5/19/2020 12:18:44 AM | 52508 |
| Surr: 4-Bromofluorobenzene | 93.7 | 70-130 | %Rec | 1 | 5/19/2020 12:18:44 AM | 52508 |
| Surr: Dibromofluoromethane | 90.2 | 70-130 | %Rec | 1 | 5/19/2020 12:18:44 AM | 52508 |
| Surr: Toluene-d8 | 101 | 70-130 | %Rec | 1 | 5/19/2020 12:18:44 AM | 52508 |

Matrix: SOIL

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

Page 21 of 31

Lab ID:

Analytical Report Lab Order 2005734

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

2005734-022

DEVON Thistle 44H 1RP5372

Date Reported: 5/22/2020

Client Sample ID: AH-10 Surface Collection Date: 5/14/2020 1:05:00 PM Received Date: 5/16/2020 8:00:00 AM

| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch |
|---------------------------------------|--------|----------|------------|----|----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst | : CAS |
| Chloride | 290 | 60 | mg/Kg | 20 | 5/21/2020 9:45:01 PM | 52637 |
| EPA METHOD 8015D MOD: GASOLINE RANG | E | | | | Analyst | : JMR |
| Gasoline Range Organics (GRO) | ND | 4.9 | mg/Kg | 1 | 5/19/2020 1:48:23 AM | 52508 |
| Surr: BFB | 100 | 70-130 | %Rec | 1 | 5/19/2020 1:48:23 AM | 52508 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | ANICS | | | | Analyst | : CLP |
| Diesel Range Organics (DRO) | ND | 9.6 | mg/Kg | 1 | 5/21/2020 5:17:04 AM | 52538 |
| Motor Oil Range Organics (MRO) | ND | 48 | mg/Kg | 1 | 5/21/2020 5:17:04 AM | 52538 |
| Surr: DNOP | 82.7 | 55.1-146 | %Rec | 1 | 5/21/2020 5:17:04 AM | 52538 |
| EPA METHOD 8260B: VOLATILES SHORT LIS | т | | | | Analyst | : JMR |
| Benzene | ND | 0.025 | mg/Kg | 1 | 5/19/2020 1:48:23 AM | 52508 |
| Toluene | ND | 0.049 | mg/Kg | 1 | 5/19/2020 1:48:23 AM | 52508 |
| Ethylbenzene | ND | 0.049 | mg/Kg | 1 | 5/19/2020 1:48:23 AM | 52508 |
| Xylenes, Total | ND | 0.099 | mg/Kg | 1 | 5/19/2020 1:48:23 AM | 52508 |
| Surr: 1,2-Dichloroethane-d4 | 92.6 | 70-130 | %Rec | 1 | 5/19/2020 1:48:23 AM | 52508 |
| Surr: 4-Bromofluorobenzene | 90.9 | 70-130 | %Rec | 1 | 5/19/2020 1:48:23 AM | 52508 |
| Surr: Dibromofluoromethane | 90.7 | 70-130 | %Rec | 1 | 5/19/2020 1:48:23 AM | 52508 |
| Surr: Toluene-d8 | 103 | 70-130 | %Rec | 1 | 5/19/2020 1:48:23 AM | 52508 |

Matrix: SOIL

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

Page 22 of 31

Surr: Toluene-d8

Analytical Report Lab Order 2005734

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Safety & Environmental Solutions

Date Reported: 5/22/2020 Client Sample ID: AH-10 1ft Collection Date: 5/14/2020 1:20:00 PM

Project: DEVON Thistle 44H 1RP5372 Lab ID: 2005734-023 Matrix: SOIL Received Date: 5/16/2020 8:00:00 AM Result **RL** Oual Units **DF** Date Analyzed Batch Analyses Analyst: CAS **EPA METHOD 300.0: ANIONS** Chloride ND 60 mg/Kg 20 5/21/2020 9:57:22 PM 52637 **EPA METHOD 8015D MOD: GASOLINE RANGE** Analyst: JMR Gasoline Range Organics (GRO) ND 4.8 mg/Kg 1 5/19/2020 3:17:30 AM 52508 Surr: BFB 70-130 52508 103 %Rec 1 5/19/2020 3:17:30 AM **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: CLP **Diesel Range Organics (DRO)** ND 9.2 mg/Kg 1 5/19/2020 11:34:15 PM 52538 Motor Oil Range Organics (MRO) ND mg/Kg 1 5/19/2020 11:34:15 PM 52538 46 Surr: DNOP 98.5 55.1-146 %Rec 5/19/2020 11:34:15 PM 52538 1 **EPA METHOD 8260B: VOLATILES SHORT LIST** Analyst: JMR ND 5/19/2020 3:17:30 AM 52508 Benzene 0.024 mg/Kg 1 Toluene ND 0.048 mg/Kg 1 5/19/2020 3:17:30 AM 52508 Ethylbenzene ND 0.048 mg/Kg 1 5/19/2020 3:17:30 AM 52508 Xylenes, Total ND 0.096 mg/Kg 5/19/2020 3:17:30 AM 52508 1 Surr: 1,2-Dichloroethane-d4 91.6 70-130 %Rec 1 5/19/2020 3:17:30 AM 52508 Surr: 4-Bromofluorobenzene 92.8 70-130 %Rec 1 5/19/2020 3:17:30 AM 52508 Surr: Dibromofluoromethane 92.6 70-130 %Rec 1 5/19/2020 3:17:30 AM 52508

102

70-130

%Rec

1

5/19/2020 3:17:30 AM

52508

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

Page 23 of 31

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| Client: Project: | Safety & DEVON | Environme Thistle 441 | | | | | | | | | |
|---------------------|----------------|--------------------------|-----------------|-----------|-------------|-----------|-----------|---------------|------|----------|------|
| Sample ID: N | IB-52628 | SampT | ype: mb | olk | Tes | tCode: El | PA Method | 300.0: Anion | S | | |
| Client ID: P | BS | Batch | n ID: 52 | 628 | F | unNo: 6 | 9084 | | | | |
| Prep Date: | 5/21/2020 | Analysis D | ate: 5/ | 21/2020 | S | eqNo: 2 | 392566 | Units: mg/K | g | | |
| Analyte Chloride | | Result ND | PQL 1.5 | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Sample ID: L | .CS-52628 | SampT | ype: Ics | 5 | Tes | tCode: El | PA Method | 300.0: Anion | S | | |
| Client ID: L | .CSS | Batch | n ID: 52 | 628 | F | unNo: 6 | 9084 | | | | |
| Prep Date: | 5/21/2020 | Analysis D | ate: 5/ | 21/2020 | S | eqNo: 2 | 392567 | 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 | 94.5 | 90 | 110 | | | |
| Sample ID: N | IB-52637 | SampT | ype: m t | olk | Tes | tCode: El | PA Method | 300.0: Anion: | s | | |
| Client ID: P | BS | Batch | n ID: 52 | 637 | F | unNo: 6 | 9084 | | | | |
| Prep Date: | 5/21/2020 | Analysis D | ate: 5/ | 21/2020 | S | eqNo: 2 | 392598 | Units: mg/K | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | | ND | 1.5 | | | | | | | | |
| Sample ID: L | .CS-52637 | SampT | ype: Ics | 6 | Tes | tCode: El | PA Method | 300.0: Anion: | S | | |
| Client ID: L | css | Batch | n ID: 52 | 637 | F | lunNo: 6 | 9084 | | | | |
| Prep Date: | 5/21/2020 | Analysis D | ate: 5/ | 21/2020 | S | SeqNo: 2 | 392599 | 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 | 93.8 | 90 | 110 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical 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 24 of 31

WO#: 2005734

22-May-20

QC SUMMARY REPORT Hall

| WO#: Hall Environmental Analysis Laboratory, Inc. | | | | | | | | 2005734 22-May-20 | | |
|---|-----------------------------|---------|--|-------------|--------------|------------|--------------------|----------------------|----------|------|
| • | & Environme N Thistle 44 | | | | | | | | | |
| Sample ID: MB-52538 | BLK | Tes | tCode: El | PA Method | 8015M/D: Die | esel Range | e Organics | | | |
| Client ID: PBS Batch ID: 52538 | | | R | RunNo: 6 | 8994 | | | | | |
| Prep Date: 5/18/2020 | Analysis D | ate: 5/ | 19/2020 | S | SeqNo: 2 | 390222 | 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 | 11 | | 10.00 | | 110 | 55.1 | 146 | | | |
| Sample ID: LCS-52538 | SampT | ype: LC | E: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |

| Client ID: LCSS | Batch | n ID: 52 | 538 | F | RunNo: 6 | 8994 | | | | |
|--------------------------------|------------|----------|--|-------------|-----------|-----------|--------------------|-----------|------------|------|
| Prep Date: 5/18/2020 | Analysis D | 0ate: 5/ | 19/2020 | S | SeqNo: 2 | 390223 | Units: mg/k | ٢g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 53 | 10 | 50.00 | 0 | 105 | 70 | 130 | | | |
| Surr: DNOP | 5.0 | | 5.000 | | 99.0 | 55.1 | 146 | | | |
| Sample ID: LCS-52531 | SampT | ype: LC | S | Tes | tCode: El | PA Method | 8015M/D: Die | esel Rang | e Organics | |
| Client ID: LCSS | Batch | n ID: 52 | 531 | F | RunNo: 6 | 9010 | | | | |
| Prep Date: 5/18/2020 | Analysis D | 0ate: 5/ | 19/2020 | S | SeqNo: 2 | 390295 | Units: mg/k | ٢g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 55 | 10 | 50.00 | 0 | 110 | 70 | 130 | | | |
| Surr: DNOP | 5.2 | | 5.000 | | 104 | 55.1 | 146 | | | |
| Sample ID: MB-52531 | SampT | ype: ME | BLK | Tes | tCode: El | PA Method | 8015M/D: Die | esel Rang | e Organics | |
| Client ID: PBS | Batch | n ID: 52 | 531 | F | RunNo: 6 | 9010 | | | | |
| Prep Date: 5/18/2020 | Analysis D | 0ate: 5/ | 19/2020 | S | SeqNo: 2 | 390297 | Units: mg/# | ٢g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | ND | 10 | | | | | | | | |
| Notor Oil Range Organics (MRO) | ND | 50 | | | | | | | | |
| Surr: DNOP | 14 | | 10.00 | | 135 | 55.1 | 146 | | | |
| Sample ID: MB-52569 | SampT | ype: ME | SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | 8015M/D: Di | | | |

| Sample ID: MB-52569 | SampType: MBLK | | | TestCode: EPA Method 8015M/D: Diesel Range Organic | | | | | | |
|----------------------|----------------|---------|-----------|--|----------|----------|-------------|------|----------|------|
| Client ID: PBS | Batch | ID: 52 | 569 | R | unNo: 69 | 9027 | | | | |
| Prep Date: 5/19/2020 | Analysis D | ate: 5/ | 20/2020 | S | eqNo: 23 | 390565 | Units: %Rec | : | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP | 9.0 | | 10.00 | | 89.8 | 55.1 | 146 | | | |

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

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Safety & Environmental Solutions

| Project: DEVON | Thistle 44H 1RP5372 | |
|----------------------|--------------------------|--|
| Sample ID: LCS-52569 | SampType: LCS | TestCode: EPA Method 8015M/D: Diesel Range Organics |
| Client ID: LCSS | Batch ID: 52569 | RunNo: 69027 |
| Prep Date: 5/19/2020 | Analysis Date: 5/20/2020 | SeqNo: 2390897 Units: %Rec |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual |
| Surr: DNOP | 4.3 5.000 | 85.0 55.1 146 |
| Sample ID: MB-52598 | SampType: MBLK | TestCode: EPA Method 8015M/D: Diesel Range Organics |
| Client ID: PBS | Batch ID: 52598 | RunNo: 69068 |
| Prep Date: 5/20/2020 | Analysis Date: 5/22/2020 | SeqNo: 2392532 Units: %Rec |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual |
| Surr: DNOP | 11 10.00 | 107 55.1 146 |
| Sample ID: MB-52605 | SampType: MBLK | TestCode: EPA Method 8015M/D: Diesel Range Organics |
| Client ID: PBS | Batch ID: 52605 | RunNo: 69068 |
| Prep Date: 5/20/2020 | Analysis Date: 5/21/2020 | SeqNo: 2392533 Units: %Rec |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual |
| Surr: DNOP | 9.6 10.00 | 95.9 55.1 146 |
| Sample ID: LCS-52598 | SampType: LCS | TestCode: EPA Method 8015M/D: Diesel Range Organics |
| Client ID: LCSS | Batch ID: 52598 | RunNo: 69068 |
| Prep Date: 5/20/2020 | Analysis Date: 5/22/2020 | SeqNo: 2392534 Units: %Rec |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual |
| Surr: DNOP | 4.2 5.000 | 83.8 55.1 146 |
| Sample ID: LCS-52605 | SampType: LCS | TestCode: EPA Method 8015M/D: Diesel Range Organics |
| Client ID: LCSS | Batch ID: 52605 | RunNo: 69068 |
| Prep Date: 5/20/2020 | Analysis Date: 5/21/2020 | SeqNo: 2392535 Units: %Rec |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual |
| Surr: DNOP | 4.4 5.000 | 87.7 55.1 146 |

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

Page 26 of 31

WO#: 2005734 22-May-20

Project:

Client ID: Prep Date:

Analvte

Benzene Toluene Ethylbenzene Xylenes, Total

Sample ID: mb-52507

PBS

Surr: 1,2-Dichloroethane-d4

Surr: 4-Bromofluorobenzene

Surr: Dibromofluoromethane

Sample ID: Ics-52507

Surr: 1,2-Dichloroethane-d4

Surr: 4-Bromofluorobenzene

Surr: Dibromofluoromethane

Prep Date: 5/16/2020

Surr: 1,2-Dichloroethane-d4

Surr: 4-Bromofluorobenzene

Surr: Dibromofluoromethane

Surr: Toluene-d8

Sample ID: 2005734-001ams

AH-1 Surface

Surr: Toluene-d8

Surr: Toluene-d8

Client ID: LCSS Prep Date: 5/16/2020

Analyte Benzene

Toluene

Ethylbenzene

Xylenes, Total

Client ID:

Analyte

Ethylbenzene

Xylenes, Total

Benzene Toluene

5/16/2020

QC SUMMARY REPORT Hall Environmental A

1.0

1.1

3.2

0.43

0.44

0.51

0.49

Result

0.78

0.75

0.76

2.2

2.1

2.1

2.5

2.4

SampType: MS

Batch ID: 52507

Analysis Date: 5/18/2020

PQL

0.12

0.24

0.24

0.49

0.050

0.050

0.10

1.000

1.000

3.000

0.5000

0.5000

0.5000

0.5000

0.9794

0.9794

0.9794

2.938

2.449

2.449

2.449

2.449

SPK value SPK Ref Val

| | tal Anal | - | Laborat | ory, Inc. | | | | | WO#: | 2005734 22-May-20 |
|---------|----------------------------|------------------|-----------|-------------|----------|-----------|--------------------|-------------|----------|----------------------|
| • | & Environm N Thistle 44 | | | | | | | | | |
| 2507 | Samp | Гуре: М І | BLK | Tes | tCode: E | PA Method | 8260B: Volat | tiles Short | List | |
| | Batc | h ID: 52 | 507 | F | RunNo: 6 | 8993 | | | | |
| 2020 | Analysis [| Date: 5 | /18/2020 | S | SeqNo: 2 | 388436 | Units: mg/K | ٢g | | |
| | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| | ND | 0.025 | | | | | | | | |
| | ND | 0.050 | | | | | | | | |
| | ND | 0.050 | | | | | | | | |
| | ND | 0.10 | | | | | | | | |
| ane-d4 | 0.43 | | 0.5000 | | 85.7 | 70 | 130 | | | |
| enzene | 0.44 | | 0.5000 | | 88.9 | 70 | 130 | | | |
| nethane | 0.51 | | 0.5000 | | 102 | 70 | 130 | | | |
| | 0.49 | | 0.5000 | | 99.0 | 70 | 130 | | | |
| 507 | Samp | Гуре: LC | s | Tes | tCode: E | PA Method | 8260B: Volat | tiles Short | List | |
| | Batc | h ID: 52 | 507 | F | RunNo: 6 | 8993 | | | | |
| 2020 | Analysis [| Date: 5 | /18/2020 | S | SeqNo: 2 | 388437 | Units: mg/K | ٢g | | |
| | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| | 1.0 | 0.025 | 1.000 | 0 | 104 | 70 | 130 | | | |

70

70

70

70

70

70

70

LowLimit

70

70

70

70

70

70

70

70

TestCode: EPA Method 8260B: Volatiles Short List

130

130

130

130

130

130

130

Units: mg/Kg

130

130

130

130

130

130

130

130

%RPD

RPDLimit

Qual

HighLimit

Qualifiers:

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

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

0

0

0

0

0

0

0

103

111

108

85.5

89.0

102

98.8

RunNo: 68993

%REC

80.0

76.9

77.7

73.6

84.6

86.0

101

96.0

SeqNo: 2388439

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| • | Environm Thistle 44 | | | | | | | | | | |
|-----------------------------|------------------------|-----------------|-----------|--|-----------|-----------|--------------------|------------|----------|------|--|
| Sample ID: 2005734-001ams | d Samp ⁻ | Type: MS | SD | TestCode: EPA Method 8260B: Volatiles Short List | | | | | | | |
| Client ID: AH-1 Surface | Batc | h ID: 52 | 507 | F | RunNo: 6 | 8993 | | | | | |
| Prep Date: 5/16/2020 | Analysis [| Date: 5/ | 18/2020 | S | SeqNo: 2 | 388440 | Units: mg/K | g | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | |
| Benzene | 0.92 | 0.12 | 0.9980 | 0 | 91.9 | 70 | 130 | 15.7 | 20 | | |
| Toluene | 0.91 | 0.25 | 0.9980 | 0 | 91.0 | 70 | 130 | 18.7 | 20 | | |
| Ethylbenzene | 0.97 | 0.25 | 0.9980 | 0 | 97.6 | 70 | 130 | 24.6 | 0 | | |
| Xylenes, Total | 2.8 | 0.50 | 2.994 | 0 | 94.6 | 70 | 130 | 26.8 | 0 | | |
| Surr: 1,2-Dichloroethane-d4 | 2.1 | | 2.495 | | 84.5 | 70 | 130 | 0 | 0 | | |
| Surr: 4-Bromofluorobenzene | 2.2 | | 2.495 | | 89.4 | 70 | 130 | 0 | 0 | | |
| Surr: Dibromofluoromethane | 2.5 | | 2.495 | | 101 | 70 | 130 | 0 | 0 | | |
| Surr: Toluene-d8 | 2.4 | | 2.495 | | 97.0 | 70 | 130 | 0 | 0 | | |
| Sample ID: mb-52508 | Samp | Туре: МЕ | BLK | Tes | tCode: El | PA Method | 8260B: Volat | iles Short | List | | |
| Client ID: PBS | Batc | h ID: 52 | 508 | F | RunNo: 6 | 9005 | | | | | |
| Prep Date: 5/16/2020 | Analysis [| Date: 5/ | 18/2020 | S | SeqNo: 2 | 389068 | Units: mg/K | g | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | |
| Benzene | ND | 0.025 | | | | | | | | | |
| Toluene | ND | 0.050 | | | | | | | | | |
| Ethylbenzene | ND | 0.050 | | | | | | | | | |
| Xylenes, Total | ND | 0.10 | | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 0.46 | | 0.5000 | | 92.8 | 70 | 130 | | | | |
| Surr: 4-Bromofluorobenzene | 0.47 | | 0.5000 | | 94.4 | 70 | 130 | | | | |
| Surr: Dibromofluoromethane | 0.46 | | 0.5000 | | 91.6 | 70 | 130 | | | | |
| Surr: Toluene-d8 | 0.50 | | 0.5000 | | 99.7 | 70 | 130 | | | | |
| Sample ID: Ics-52508 | Samp | Type: LC | S4 | Tes | tCode: El | PA Method | 8260B: Volat | iles Short | List | | |
| Client ID: BatchQC | Batc | h ID: 52 | 508 | F | RunNo: 6 | 9005 | | | | | |
| Prep Date: 5/16/2020 | Analysis [| Date: 5/ | 18/2020 | S | SeqNo: 2 | 389069 | Units: mg/K | g | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | |
| Benzene | 0.90 | 0.025 | 1.000 | 0 | 90.0 | 80 | 120 | | | | |
| Toluene | 1.1 | 0.050 | 1.000 | 0 | 107 | 80 | 120 | | | | |

| WO#: | 2005734 |
|------|----------|
| | 22.16 20 |

22-May-20

| Sample ID: Ics-52508 | SampT | ype: LC | S4 | Tes | TestCode: EPA Method 8260B: Volatiles Short List | | | | | |
|-----------------------------|------------|-----------------|-----------|-------------|--|----------|-------------------|------|----------|------|
| Client ID: BatchQC | Batc | Batch ID: 52508 | | | RunNo: 6 | | | | | |
| Prep Date: 5/16/2020 | Analysis E | Date: 5/ | 18/2020 | 5 | SeqNo: 2 | 389069 | Units: mg/ | ٢g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.90 | 0.025 | 1.000 | 0 | 90.0 | 80 | 120 | | | |
| Toluene | 1.1 | 0.050 | 1.000 | 0 | 107 | 80 | 120 | | | |
| Ethylbenzene | 1.1 | 0.050 | 1.000 | 0 | 109 | 80 | 120 | | | |
| Xylenes, Total | 3.2 | 0.10 | 3.000 | 0 | 105 | 80 | 120 | | | |
| Surr: 1,2-Dichloroethane-d4 | 0.46 | | 0.5000 | | 91.2 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.46 | | 0.5000 | | 92.0 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 0.46 | | 0.5000 | | 92.2 | 70 | 130 | | | |
| Surr: Toluene-d8 | 0.50 | | 0.5000 | | 99.3 | 70 | 130 | | | |

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

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Safety & Environmental Solutions

0.52

0.4941

| Project: DEVON | Thistle 44 | H 1RP5 | 372 | | | | | | | |
|-----------------------------|------------|----------|-----------|-------------|-----------|-----------|--------------|------------|----------|------|
| Sample ID: 2005734-021ams | Samp | Гуре: МS | 64 | Tes | tCode: El | PA Method | 8260B: Volat | iles Short | List | |
| Client ID: AH-9 1ft | Batc | h ID: 52 | 508 | F | RunNo: 6 | 9005 | | | | |
| Prep Date: 5/16/2020 | Analysis [| Date: 5/ | 19/2020 | S | SeqNo: 2 | 389073 | Units: mg/K | (g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.85 | 0.024 | 0.9597 | 0 | 88.5 | 71.1 | 115 | | | |
| Foluene | 0.98 | 0.048 | 0.9597 | 0 | 103 | 79.6 | 132 | | | |
| Ethylbenzene | 1.0 | 0.048 | 0.9597 | 0 | 107 | 83.8 | 134 | | | |
| Kylenes, Total | 3.0 | 0.096 | 2.879 | 0 | 103 | 82.4 | 132 | | | |
| Surr: 1,2-Dichloroethane-d4 | 0.47 | | 0.4798 | | 97.5 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.44 | | 0.4798 | | 91.8 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 0.46 | | 0.4798 | | 95.6 | 70 | 130 | | | |
| Surr: Toluene-d8 | 0.49 | | 0.4798 | | 103 | 70 | 130 | | | |
| Sample ID: 2005734-021amsd | I Samp | Гуре: МS | SD4 | Tes | tCode: El | PA Method | 8260B: Volat | iles Short | List | |
| Client ID: AH-9 1ft | Batc | h ID: 52 | 508 | F | RunNo: 6 | 9005 | | | | |
| Prep Date: 5/16/2020 | Analysis [| Date: 5/ | 19/2020 | S | SeqNo: 2 | 389074 | Units: mg/K | (g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.88 | 0.025 | 0.9881 | 0 | 88.7 | 71.1 | 115 | 3.11 | 20 | |
| Toluene | 1.1 | 0.049 | 0.9881 | 0 | 112 | 79.6 | 132 | 12.1 | 20 | |
| Ethylbenzene | 1.1 | 0.049 | 0.9881 | 0 | 116 | 83.8 | 134 | 10.5 | 20 | |
| Kylenes, Total | 3.4 | 0.099 | 2.964 | 0 | 113 | 82.4 | 132 | 12.2 | 20 | |
| Surr: 1,2-Dichloroethane-d4 | 0.45 | | 0.4941 | | 91.2 | 70 | 130 | 0 | 0 | |
| Surr: 4-Bromofluorobenzene | 0.46 | | 0.4941 | | 92.6 | 70 | 130 | 0 | 0 | |
| Surr: Dibromofluoromethane | 0.45 | | 0.4941 | | 91.1 | 70 | 130 | 0 | 0 | |
| o T 1 10 | | | | | | | | | | |

Qualifiers:

Surr: Toluene-d8

- * 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

105

70

130

0

0

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

Page 29 of 31

WO#: 2005734

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| • | Environmental Solutions Thistle 44H 1RP5372 | | | | | | |
|--|--|--|--|--|--|--|--|
| Sample ID: mb-52507 | SampType: MBLK | TestCode: EPA Method | I 8015D Mod: Gasoline Range | | | | |
| Client ID: PBS | Batch ID: 52507 | RunNo: 68993 | | | | | |
| Prep Date: 5/16/2020 | Analysis Date: 5/18/2020 | SeqNo: 2388462 | Units: mg/Kg | | | | |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD RPDLimit Qual | | | | |
| Gasoline Range Organics (GRO) Surr: BFB | ND 5.0 470 500.0 | 94.3 70 | 130 | | | | |
| Sample ID: Ics-52507 | SampType: LCS | TestCode: EPA Method | l 8015D Mod: Gasoline Range | | | | |
| Client ID: LCSS | Batch ID: 52507 | RunNo: 68993 | | | | | |
| Prep Date: 5/16/2020 | Analysis Date: 5/18/2020 | SeqNo: 2388463 | Units: mg/Kg | | | | |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD RPDLimit Qual | | | | |
| Gasoline Range Organics (GRO) | 20 5.0 25.00 | 0 81.8 70 | | | | | |
| Surr: BFB | 470 500.0 | 93.3 70 | 130 | | | | |
| Sample ID: 2005734-002ams | SampType: MS | TestCode: EPA Method | l 8015D Mod: Gasoline Range | | | | |
| Client ID: AH-1 1ft | Batch ID: 52507 | RunNo: 68993 | | | | | |
| Prep Date: 5/16/2020 | Analysis Date: 5/18/2020 | SeqNo: 2388468 | Units: mg/Kg | | | | |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD RPDLimit Qual | | | | |
| Gasoline Range Organics (GRO) | 21 5.0 24.95 | 0 82.6 70 | 130 | | | | |
| Surr: BFB | 470 499.0 | 94.9 70 | 130 | | | | |
| Sample ID: 2005734-002amsd | d SampType: MSD | TestCode: EPA Method | I 8015D Mod: Gasoline Range | | | | |
| Client ID: AH-1 1ft | Batch ID: 52507 | RunNo: 68993 | | | | | |
| Prep Date: 5/16/2020 | Analysis Date: 5/18/2020 | SeqNo: 2388469 | Units: mg/Kg | | | | |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD RPDLimit Qual | | | | |
| Gasoline Range Organics (GRO) | 20 5.0 24.98 | 0 79.2 70 | 130 4.05 20 | | | | |
| Surr: BFB | 240 249.8 | 97.2 70 | 130 0 0 | | | | |
| Sample ID: mb-52508 | SampType: MBLK | TestCode: EPA Method | I 8015D Mod: Gasoline Range | | | | |
| Client ID: PBS | Batch ID: 52508 | RunNo: 69005 | | | | | |
| Prep Date: 5/16/2020 | Analysis Date: 5/18/2020 | SeqNo: 2389081 | Units: mg/Kg | | | | |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD RPDLimit Qual | | | | |
| Gasoline Range Organics (GRO) Surr: BFB | ND 5.0 490 500.0 | 98.7 70 | 130 | | | | |
| Sample ID: Jac 52509 | | TestCode: EPA Method 8015D Mod: Gasoline Range | | | | | |
| Sample ID: Ics-52508 | SampType: LCS | TestCode: EPA Method | I 8015D Mod: Gasoline Range | | | | |
| Client ID: LCSS | SampType: LCS Batch ID: 52508 | TestCode: EPA Methoo RunNo: 69005 | I 8015D Mod: Gasoline Range | | | | |
| | | | I 8015D Mod: Gasoline Range Units: mg/Kg | | | | |

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

WO#: 2005734 22-May-20

22-111uy-20

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| Client: Project: | • | Environme Thistle 44H | | | | | | | | | |
|---------------------|-----------------|--------------------------|----------------|-----------|-------------|-----------|-----------|-------------|------------|----------|------|
| Sample ID: I | lcs-52508 | SampT | ype: LC | S | Tes | tCode: EF | PA Method | 8015D Mod: | Gasoline | Range | |
| Client ID: | LCSS | Batch | ID: 52 | 508 | R | unNo: 6 | 9005 | | | | |
| Prep Date: | 5/16/2020 | Analysis Da | ate: 5/ | 18/2020 | S | eqNo: 2 | 389082 | Units: mg/k | ٤g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range | Organics (GRO) | 23 | 5.0 | 25.00 | 0 | 90.7 | 70 | 130 | | | |
| Surr: BFB | , | 500 | | 500.0 | | 99.0 | 70 | 130 | | | |
| Sample ID: | 2005734-022ams | SampT | ype: MS | 6 | Tes | tCode: EF | PA Method | 8015D Mod: | Gasoline I | Range | |
| Client ID: | AH-10 Surface | Batch | ID: 52 | 508 | R | unNo: 6 | 9005 | | | | |
| Prep Date: | 5/16/2020 | Analysis Da | ate: 5/ | 19/2020 | S | eqNo: 2 | 389098 | Units: mg/k | ٢g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range | Organics (GRO) | 20 | 4.9 | 24.56 | 0 | 82.1 | 70 | 130 | | | |
| Surr: BFB | | 490 | | 491.2 | | 99.3 | 70 | 130 | | | |
| Sample ID: | 2005734-022amsd | SampT | ype: MS | SD. | Tes | tCode: EF | PA Method | 8015D Mod: | Gasoline | Range | |
| Client ID: | AH-10 Surface | Batch | ID: 52 | 508 | R | unNo: 69 | 9005 | | | | |
| Prep Date: | 5/16/2020 | Analysis Da | ate: 5/ | 19/2020 | S | eqNo: 2 | 389099 | Units: mg/k | ٤g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range | Organics (GRO) | 23 | 5.0 | 24.78 | 0 | 93.4 | 70 | 130 | 13.8 | 20 | |
| Surr: BFB | | 490 | | 495.5 | | 98.2 | 70 | 130 | 0 | 0 | |

- * 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 31 of 31

WO#: 2005734 22-May-20

| ANAL | 2/2020 1:22:24 PM CONMENTAL YSIS RATORY | TEL: 505 | ironmental Analy 490 Albuquers 5-345-3975 FAX; te: www.hallenvi | 01 Hawkin Jue, NM 8 505-345- | ns NE 87109 Sai | mple Log-In Check | Page 60 List |
|-------------------------------|--|--------------------------|---|------------------------------------|---------------------|-----------------------------------|-----------------|
| Client Name: | Safety Env Solutions | Work Orde | r Number: 200 | 5734 | | RcptNo: 1 | |
| Received By: | Leah Baca | 5/16/2020 8:0 | 00:00 AM | | Lal Ba | a | |
| Completed By: Reviewed By: | Leah Baca AB | 5/16/2020 8:: 5/14/25 | | | Lab Bae Laib Bae | a | |
| Chain of Cus | <u>tody</u> | | | | | | |
| 1. Is Chain of Co | ustody complete? | | Yes | ~ | No 🗌 | Not Present | |
| 2. How was the | sample delivered? | | Cou | rier | | | |
| Log In | | | | | | | |
| 3. Was an attem | pt made to cool the sampl | es? | Yes | | No 🗌 | | |
| 4, Were all samp | ples received at a temperat | ure of >0° C to 6.0 | °C Yes | ~ | No 🗌 | NA 🗌 | |
| 5. Sample(s) in p | proper container(s)? | | Yes | | No 🗆 | | |
| 6. Sufficient sam | ple volume for indicated te | st(s)? | Yes | V | No 🗌 | | |
| 7. Are samples (| except VOA and ONG) pro | perly preserved? | Yes | V | No 🗌 | | |
| 8. Was preservat | tive added to bottles? | | Yes | | No 🗹 | NA 🗌 | |
| 9. Received at le | ast 1 vial with headspace < | 1/4" for AQ VOA? | Yes | | No 🗌 | NA 🗹 | |
| | nple containers received br | | Yes | | No 🔽 | | - |
| 11.5 | | | | - | | # of preserved bottles checked | |
| | rk match bottle labels? incies on chain of custody) | | Yes | | No 🗌 | for pH: (<2 or >12 unles | s noted) |
| | orrectly identified on Chain | | Yes | ~ | No 🗌 | Adjusted? | , |
| | analyses were requested? | | Yes | ~ | No 🗌 | / | |
| | ng times able to be met? | | Yes | | No 🗌 | Checked by: DAD 5 | 116/20 |
| | istomer for authorization.) | | | | | / | |
| | ing (if applicable) | | | | | | |
| 15. Was client no | tified of all discrepancies w | ith this order? | Yes | | No 🗌 | NA 🗹 | |
| Person | Notified: | | Date: | | | | |
| By Who | m: | | Via: 🗌 eM | ail 🗌 F | hone 🗌 Fax | In Person | |
| Regardi Client In | ng: | | | | | | |
| 16. Additional rer | | | | | | | |
| 17. <u>Cooler Information</u> | | | | | | | |
| Cooler No | Temp °C Condition | Seal Intact Sea | I No Seal D | ate | Signed By | 1 | |
| | 0.5 Good | | June Duar D | | Signed by | | |

| rceived by OCD: 6/12/2020 | :22:24 PM | | | | | | Page 61 of J |
|--|---|------------|-------|----------|----------------|------------------------------|--|
| HALL ENVIRONMENTAL ANALYSIS LABORATOR www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request | EDB (Method 504.1) PAHs by 8310 or 8270SIMS CI, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄ 8260 (VOA) 8270 (Semi-VOA) Total Coliform (Present/Absent) Total Coliform (Present/Absent) | | | | | | |
| 901 Ha | 8081 Pesticides/8082 PCB's | | | | | | - iii |
| | ВТЕХ / МТВЕ / ТМВ's (8021) ТРН:8015D(GRO / DRO / МRO) | X | | | | | Remarks: |
| 5 0~4 Rush 7 1,2,25372 - 009 | 6 612-45 01 - 45 (°C) 2005734 | | 200- | - 005- | 200 - Enn - | -009 -010 -011 -011 | Date Time 2 9(5 12 2) Date Time S/14/20 0760 |
| - 2.45 | Project Manager: ALLev, Bo Sampler: So \$2, On Ice: Q Yes # of Coolers: 2) Cooler Temp(Including CF): 4 Container Preservative Type and # Type | | | | | | Via: Via: CUNU |
| Turn-Around Time: Estandard Estandard Project Name: DG Project Name: DG Project #: | Project Manager: Allen Sampler: Sampler: On Ice: Q M Cooler Temp ^{(metud} Cooler Temp ^{(metud} Type and # Type | / | | \ | ~~, | | Received by CMUR Received by: |
| Chain-of-Custody Record Sulsty & Euripenmenter Baluss: 703 E Clinton oblis NUM 88240 e# 575, 397,05710 | □ Level 4 (Full Validation) □ Az Compliance □ Other | AH-1 Super | 1 | AH-2 215 | AH-3 Surface | F | Time: Relinquished by: Received by Via: Decover by Via: Decover by Via: Time: Relinquished by: Via: CUMU |
| of-Cu Nuch | D Az Co | V B | n nu | nnn | nnv | nnn | Relinquished by: Relinquished by: |
| Client: Chain-C Client: Chain-C Mailing Address: | kage: d (p)) ne ne | 0845 | 09910 | 0935 | (015) | 103×10 | Time: DSO Time: |
| Client: | email or Fax#: QA/QC Package D Standard Accreditation: D NELAC D EDD (Type) Date Time | 1/50 | | | | 2 lit | Date: |

| Received by OCD: 6/12 | 2/2020 1 | :22:24 PM | | | | | | | | | | | | | | | Pa | ge 62 | 2 of 14 |
|--|--|--|---|---|---|---|--------------------|---------------------|-----------------|-------------------|-----------------|-------------------|------|-----------------|-------|-----------------------|---|------------------------------------|---|
| HALL ENVIRONMENTAL HALL ENVIRONMENTAL ANALYSIS LABORATOR www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 | Tel. 505-345-3975 Fax 505-345-4107 Analysis Request | ьсв, ² 0 \ | 0 / DR \$/8082 0r 827(2r 827(7, 827(7, 827(7, 827(7, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10 | (GR (GR 310 (310 (310 (3, 10 (3, 10) (10) (3, 10) (3) (3)) ())) () | 015D Pestic Metho Netho 8 Me 8 Me 8 Me 8 Me 8 Me 7 A 9 Me 8 Me | 7PH:8 8081 F PAHs CI, F, CI, F, CI, F, CI, F, S260 (| | | | | | | | | | | Remarks: | | ibility. Anv sub-contracted data will be clearly notated on the analytical re- |
| Turn-Around Time: 5 Pay Standard Rush Project Name: Devent H Wot 208 11857 | Project #: 185372 | Project Manager: Aulen, Beb s (8021) | Sampler: So A, Corry On Ice: N Yes D No | 2) | Cooler Temp(including cF): 7, 2, 2, 2, 2, (°C) | Container Preservative HEAL No. Type and # Type | 1 ter -013 | - 01M | 1 -015 | 1 -016 | (±0,- | 1 - 01% | -019 | 1 -020 | -0.21 | s n | Received by Via. A Bate, Time Re Old W A D S 10 12 70 Re | Received by: Via: Courte Date Time | If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this nossibility. Any sub-contracted data will be clearly notated on the analytical renat |
| Client: State + Control Record Client: State + Control Manueurl Solution & Mailing Address: 703 - Clinton | ASNOY N.W 88240 Phone #: 575-397-0510 | email or Fax#: QA/QC Package: Standard | Accreditation: | EDD (Type) | | Date Time Matrix Sample Name | olit MIS S ATS /Fr | 11th S Att 6 Surfee | 1155 2 1446 154 | 1200 5 dH-7 Suber | 1210 5 AH-7 /FF | 1220 5 AH-8 Super | 1 | 1245 0 At 140 1 | 210 | 3/14 1320 8 JH 10 151 | os/15 2800 Sen Art | Date: Time: Relinquished Ar | If necessary, samples submitted to Hall Environmental may be subco |



December 30, 2019

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: DEV-19-009

Enclosed are the results of analyses for samples received by the laboratory on 12/20/19 9:30.

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 www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

| Received: | 12/20/2019 | Sampling Date: | 12/19/2019 |
|-------------------|------------|---------------------|----------------|
| Reported: | 12/30/2019 | Sampling Type: | Soil |
| Project Name: | DEV-19-009 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: AH - 1 SURFACE (H904254-01)

| 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 | 12/26/2019 | ND | 1.64 | 82.0 | 2.00 | 14.7 | |
| Toluene* | <0.050 | 0.050 | 12/26/2019 | ND | 1.64 | 81.8 | 2.00 | 14.5 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/26/2019 | ND | 1.67 | 83.7 | 2.00 | 14.5 | |
| Total Xylenes* | <0.150 | 0.150 | 12/26/2019 | ND | 4.86 | 81.0 | 6.00 | 15.0 | |
| Total BTEX | <0.300 | 0.300 | 12/26/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.6 | % 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 | 35600 | 16.0 | 12/23/2019 | ND | 416 | 104 | 400 | 0.00 | |
| 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 | 12/23/2019 | ND | 218 | 109 | 200 | 8.26 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/23/2019 | ND | 220 | 110 | 200 | 6.72 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/23/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 119 9 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 129 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

| Received: | 12/20/2019 | Sampling Date: | 12/19/2019 |
|-------------------|------------|---------------------|----------------|
| Reported: | 12/30/2019 | Sampling Type: | Soil |
| Project Name: | DEV-19-009 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: AH - 2 SURFACE (H904254-02)

| 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 | 12/26/2019 | ND | 1.64 | 82.0 | 2.00 | 14.7 | |
| Toluene* | <0.050 | 0.050 | 12/26/2019 | ND | 1.64 | 81.8 | 2.00 | 14.5 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/26/2019 | ND | 1.67 | 83.7 | 2.00 | 14.5 | |
| Total Xylenes* | <0.150 | 0.150 | 12/26/2019 | ND | 4.86 | 81.0 | 6.00 | 15.0 | |
| Total BTEX | <0.300 | 0.300 | 12/26/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 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 | 752 | 16.0 | 12/23/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | S-04 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 57.0 | 10.0 | 12/23/2019 | ND | 218 | 109 | 200 | 8.26 | |
| DRO >C10-C28* | 3110 | 10.0 | 12/23/2019 | ND | 220 | 110 | 200 | 6.72 | |
| EXT DRO >C28-C36 | 572 | 10.0 | 12/23/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 142 | % 41-142 | 2 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 228 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

| Received: | 12/20/2019 | Sampling Date: | 12/19/2019 |
|-------------------|------------|---------------------|----------------|
| Reported: | 12/30/2019 | Sampling Type: | Soil |
| Project Name: | DEV-19-009 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: AH - 3 SURFACE (H904254-03)

| 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 | 12/26/2019 | ND | 1.64 | 82.0 | 2.00 | 14.7 | |
| Toluene* | <0.050 | 0.050 | 12/26/2019 | ND | 1.64 | 81.8 | 2.00 | 14.5 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/26/2019 | ND | 1.67 | 83.7 | 2.00 | 14.5 | |
| Total Xylenes* | <0.150 | 0.150 | 12/26/2019 | ND | 4.86 | 81.0 | 6.00 | 15.0 | |
| Total BTEX | <0.300 | 0.300 | 12/26/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 112 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 | 768 | 16.0 | 12/23/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | S-04 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 71.4 | 10.0 | 12/23/2019 | ND | 218 | 109 | 200 | 8.26 | |
| DRO >C10-C28* | 3730 | 10.0 | 12/23/2019 | ND | 220 | 110 | 200 | 6.72 | |
| EXT DRO >C28-C36 | 687 | 10.0 | 12/23/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 150 | % 41-142 | 2 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 251 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388 12/20/2019 Sampling Date:

| Received: | 12/20/2019 | Sampling Date: | 12/19/2019 |
|-------------------|------------|---------------------|----------------|
| Reported: | 12/30/2019 | Sampling Type: | Soil |
| Project Name: | DEV-19-009 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: AH - 4 SURFACE (H904254-04)

| 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 | 12/26/2019 | ND | 1.64 | 82.0 | 2.00 | 14.7 | |
| Toluene* | <0.050 | 0.050 | 12/26/2019 | ND | 1.64 | 81.8 | 2.00 | 14.5 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/26/2019 | ND | 1.67 | 83.7 | 2.00 | 14.5 | |
| Total Xylenes* | <0.150 | 0.150 | 12/26/2019 | ND | 4.86 | 81.0 | 6.00 | 15.0 | |
| Total BTEX | <0.300 | 0.300 | 12/26/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 109 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 | 752 | 16.0 | 12/23/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | S-04 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 62.6 | 10.0 | 12/23/2019 | ND | 218 | 109 | 200 | 8.26 | |
| DRO >C10-C28* | 3270 | 10.0 | 12/23/2019 | ND | 220 | 110 | 200 | 6.72 | |
| EXT DRO >C28-C36 | 566 | 10.0 | 12/23/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 147 9 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 235 9 | 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

| 12/20/2019 | Sampling Date: | 12/19/2019 |
|------------|--|--|
| 12/30/2019 | Sampling Type: | Soil |
| DEV-19-009 | Sampling Condition: | Cool & Intact |
| NONE GIVEN | Sample Received By: | Tamara Oldaker |
| NOT GIVEN | | |
| | 12/30/2019 DEV-19-009 NONE GIVEN | 12/30/2019Sampling Type:DEV-19-009Sampling Condition:NONE GIVENSample Received By: |

Sample ID: AH - 5 SURFACE (H904254-05)

| 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 | 12/26/2019 | ND | 1.64 | 82.0 | 2.00 | 14.7 | |
| Toluene* | 0.387 | 0.050 | 12/26/2019 | ND | 1.64 | 81.8 | 2.00 | 14.5 | |
| Ethylbenzene* | 2.91 | 0.050 | 12/26/2019 | ND | 1.67 | 83.7 | 2.00 | 14.5 | |
| Total Xylenes* | 15.7 | 0.150 | 12/26/2019 | ND | 4.86 | 81.0 | 6.00 | 15.0 | |
| Total BTEX | 18.9 | 0.300 | 12/26/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 164 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 | 3240 | 16.0 | 12/23/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | S-04 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 521 | 10.0 | 12/23/2019 | ND | 218 | 109 | 200 | 8.26 | |
| DRO >C10-C28* | 8990 | 10.0 | 12/23/2019 | ND | 220 | 110 | 200 | 6.72 | |
| EXT DRO >C28-C36 | 1480 | 10.0 | 12/23/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 214 9 | % 41-142 | 2 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 391 9 | 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

| Received: | 12/20/2019 | Sampling Date: | 12/19/2019 |
|-------------------|------------|---------------------|----------------|
| Reported: | 12/30/2019 | Sampling Type: | Soil |
| Project Name: | DEV-19-009 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: AH - 6 SURFACE (H904254-06)

| 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 | 12/26/2019 | ND | 1.64 | 82.0 | 2.00 | 14.7 | |
| Toluene* | 0.269 | 0.050 | 12/26/2019 | ND | 1.64 | 81.8 | 2.00 | 14.5 | |
| Ethylbenzene* | 2.29 | 0.050 | 12/26/2019 | ND | 1.67 | 83.7 | 2.00 | 14.5 | |
| Total Xylenes* | 11.5 | 0.150 | 12/26/2019 | ND | 4.86 | 81.0 | 6.00 | 15.0 | |
| Total BTEX | 14.0 | 0.300 | 12/26/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 155 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 | 3600 | 16.0 | 12/23/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | ′kg | Analyze | d By: MS | | | | | S-04 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 545 | 10.0 | 12/23/2019 | ND | 218 | 109 | 200 | 8.26 | |
| DRO >C10-C28* | 10200 | 10.0 | 12/23/2019 | ND | 220 | 110 | 200 | 6.72 | |
| EXT DRO >C28-C36 | 1590 | 10.0 | 12/23/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 229 9 | % 41-142 | 2 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 429 9 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388 12/20/2019 Sampling Date:

| Received: | 12/20/2019 | Sampling Date: | 12/19/2019 |
|-------------------|------------|---------------------|----------------|
| Reported: | 12/30/2019 | Sampling Type: | Soil |
| Project Name: | DEV-19-009 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: AH - 7 SURFACE (H904254-07)

| 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 | 12/26/2019 | ND | 1.64 | 82.0 | 2.00 | 14.7 | |
| Toluene* | <0.050 | 0.050 | 12/26/2019 | ND | 1.64 | 81.8 | 2.00 | 14.5 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/26/2019 | ND | 1.67 | 83.7 | 2.00 | 14.5 | |
| Total Xylenes* | <0.150 | 0.150 | 12/26/2019 | ND | 4.86 | 81.0 | 6.00 | 15.0 | |
| Total BTEX | <0.300 | 0.300 | 12/26/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.8 | % 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 | 21600 | 16.0 | 12/23/2019 | ND | 416 | 104 | 400 | 0.00 | |
| 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 | 12/23/2019 | ND | 218 | 109 | 200 | 8.26 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/23/2019 | ND | 220 | 110 | 200 | 6.72 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/23/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 119 9 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 128 9 | 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

| Received: | 12/20/2019 | Sampling Date: | 12/19/2019 |
|-------------------|------------|---------------------|----------------|
| Reported: | 12/30/2019 | Sampling Type: | Soil |
| Project Name: | DEV-19-009 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: AH - 8 SURFACE (H904254-08)

| 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 | 12/26/2019 | ND | 1.64 | 82.0 | 2.00 | 14.7 | |
| Toluene* | 0.291 | 0.050 | 12/26/2019 | ND | 1.64 | 81.8 | 2.00 | 14.5 | |
| Ethylbenzene* | 2.35 | 0.050 | 12/26/2019 | ND | 1.67 | 83.7 | 2.00 | 14.5 | |
| Total Xylenes* | 11.6 | 0.150 | 12/26/2019 | ND | 4.86 | 81.0 | 6.00 | 15.0 | |
| Total BTEX | 14.3 | 0.300 | 12/26/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 144 | % 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 | 3080 | 16.0 | 12/23/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | S-04 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 563 | 10.0 | 12/23/2019 | ND | 218 | 109 | 200 | 8.26 | |
| DRO >C10-C28* | 10300 | 10.0 | 12/23/2019 | ND | 220 | 110 | 200 | 6.72 | |
| EXT DRO >C28-C36 | 1670 | 10.0 | 12/23/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 179 | % 41-142 | 2 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 438 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

| Received: | 12/20/2019 | Sampling Date: | 12/19/2019 |
|-------------------|------------|---------------------|----------------|
| Reported: | 12/30/2019 | Sampling Type: | Soil |
| Project Name: | DEV-19-009 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: AH - 9 SURFACE (H904254-09)

| 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 | 12/26/2019 | ND | 1.64 | 82.0 | 2.00 | 14.7 | |
| Toluene* | <0.050 | 0.050 | 12/26/2019 | ND | 1.64 | 81.8 | 2.00 | 14.5 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/26/2019 | ND | 1.67 | 83.7 | 2.00 | 14.5 | |
| Total Xylenes* | <0.150 | 0.150 | 12/26/2019 | ND | 4.86 | 81.0 | 6.00 | 15.0 | |
| Total BTEX | <0.300 | 0.300 | 12/26/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.2 | % 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 | 16400 | 16.0 | 12/23/2019 | ND | 416 | 104 | 400 | 0.00 | |
| 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 | 12/23/2019 | ND | 218 | 109 | 200 | 8.26 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/23/2019 | ND | 220 | 110 | 200 | 6.72 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/23/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 117 9 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 129 9 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



| | Safety & E | Environmental Solutions |
|------------|------------|-------------------------|
| | Bob Allen | |
| | 703 East C | Clinton |
| | Hobbs NM | l, 88240 |
| | Fax To: | (575) 393-4388 |
| | | |
| 12/20/2019 | | Sampling Date: |

| Received: | 12/20/2019 | Sampling Date: | 12/19/2019 |
|-------------------|------------|---------------------|----------------|
| Reported: | 12/30/2019 | Sampling Type: | Soil |
| Project Name: | DEV-19-009 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: AH - 10 SURFACE (H904254-10)

| 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 | 12/26/2019 | ND | 1.64 | 82.0 | 2.00 | 14.7 | |
| Toluene* | <0.050 | 0.050 | 12/26/2019 | ND | 1.64 | 81.8 | 2.00 | 14.5 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/26/2019 | ND | 1.67 | 83.7 | 2.00 | 14.5 | |
| Total Xylenes* | <0.150 | 0.150 | 12/26/2019 | ND | 4.86 | 81.0 | 6.00 | 15.0 | |
| Total BTEX | <0.300 | 0.300 | 12/26/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98.3 | % 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 | 14000 | 16.0 | 12/23/2019 | ND | 416 | 104 | 400 | 0.00 | |
| 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 | 12/23/2019 | ND | 218 | 109 | 200 | 8.26 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/23/2019 | ND | 220 | 110 | 200 | 6.72 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/23/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 117 9 | % 41-142 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 128 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

| Received: | 12/20/2019 | Sampling Date: | 12/19/2019 |
|-------------------|------------|---------------------|----------------|
| Reported: | 12/30/2019 | Sampling Type: | Soil |
| Project Name: | DEV-19-009 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: AH - 11 SURFACE (H904254-11)

| 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 | 12/23/2019 | ND | 1.64 | 82.2 | 2.00 | 16.6 | |
| Toluene* | <0.050 | 0.050 | 12/23/2019 | ND | 1.65 | 82.4 | 2.00 | 17.3 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/23/2019 | ND | 1.65 | 82.6 | 2.00 | 13.1 | |
| Total Xylenes* | <0.150 | 0.150 | 12/23/2019 | ND | 5.00 | 83.3 | 6.00 | 17.1 | |
| Total BTEX | <0.300 | 0.300 | 12/23/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 95.4 | % 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 | 20000 | 16.0 | 12/23/2019 | ND | 416 | 104 | 400 | 0.00 | |
| 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 | 12/23/2019 | ND | 218 | 109 | 200 | 8.26 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/23/2019 | ND | 220 | 110 | 200 | 6.72 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/23/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 118 9 | % 41-142 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 129 9 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



| | | Safety & Environmental Solu Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-438 | | |
|-----------------|------------|--|---------------------|----------------|
| Received: | 12/20/2019 | | Sampling Date: | 12/19/2019 |
| Reported: | 12/30/2019 | | Sampling Type: | Soil |
| Project Name: | DEV-19-009 | | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | | Sample Received By: | Tamara Oldaker |

Sample ID: AH - 12 SURFACE (H904254-12)

Project Location:

NOT GIVEN

| 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 | 12/23/2019 | ND | 1.64 | 82.2 | 2.00 | 16.6 | |
| Toluene* | <0.050 | 0.050 | 12/23/2019 | ND | 1.65 | 82.4 | 2.00 | 17.3 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/23/2019 | ND | 1.65 | 82.6 | 2.00 | 13.1 | |
| Total Xylenes* | <0.150 | 0.150 | 12/23/2019 | ND | 5.00 | 83.3 | 6.00 | 17.1 | |
| Total BTEX | <0.300 | 0.300 | 12/23/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98.5 | % 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 | 20800 | 16.0 | 12/23/2019 | ND | 416 | 104 | 400 | 0.00 | |
| 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 | 12/23/2019 | ND | 218 | 109 | 200 | 8.26 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/23/2019 | ND | 220 | 110 | 200 | 6.72 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/23/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 117 9 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 128 9 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

| Received: | 12/20/2019 | Sampling Date: | 12/19/2019 |
|-------------------|------------|---------------------|----------------|
| Reported: | 12/30/2019 | Sampling Type: | Soil |
| Project Name: | DEV-19-009 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: AH - 13 1' (H904254-13)

| 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 | 12/23/2019 | ND | 1.64 | 82.2 | 2.00 | 16.6 | |
| Toluene* | <0.050 | 0.050 | 12/23/2019 | ND | 1.65 | 82.4 | 2.00 | 17.3 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/23/2019 | ND | 1.65 | 82.6 | 2.00 | 13.1 | |
| Total Xylenes* | <0.150 | 0.150 | 12/23/2019 | ND | 5.00 | 83.3 | 6.00 | 17.1 | |
| Total BTEX | <0.300 | 0.300 | 12/23/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.2 | % 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 | 3640 | 16.0 | 12/23/2019 | ND | 416 | 104 | 400 | 0.00 | |
| 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 | 12/23/2019 | ND | 218 | 109 | 200 | 8.26 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/23/2019 | ND | 220 | 110 | 200 | 6.72 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/23/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 123 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 133 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

| S-04 | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. |
|-------|---|
| QR-02 | The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data. |
| 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 SM4500CI-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 |

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

Received by OCD: 6/12/2020 1:22:24 PM

| Company Name: | Safety and Environmental Solutions | ronmental So | olutions | | 31 | BILL TO | | | A | ANALYSIS | REQUEST | ŝŦ |
|---|---|---|--|---|---|--|--|--------------|------|--------------------------------|---------|----|
| Project Manager: | Bob Allen | | - | | P.O. #: | | _ | | | | _ | |
| Address: 70: | 703 East Clinton, PO | Box 1613 | | | Company: | Same | | | | | | |
| City: Ho | Hobbs | State: NM | Zip: 88240 | | | | | | | | | _ |
| Phone #: 575 | 397-0510 | Fax #: 575 3 | 393-4388 | | Address: | | | | | | | |
| Project #: DO | V-19-009 | Project Owner: | | | City: | | | | | | | |
| Project Name: | | | | | State: | Zip: | | | ~ | | | |
| Project Location: | 2 | | | | Phone #: | | | 10 | 5 | | | |
| Sampler Name: | Sor 1 | 1 | | | Fax #: | | | 0 | | | | |
| FOR LAB USE ONLY | С | K | <u>,</u> | MATRIX | PRESERV. | SAMPLING | | | ~ | | _ | |
| Lab I.D. | Sample I.D. | Ų | G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER | NASTEWATER SOIL DIL SLUDGE | OTHER : ACID/BASE: CE / COOL OTHER : | DATE | BTEX | TPH CLION | CNOF | | | |
| | AF- Va | Now | -# | Nº S | 0 | 10/24 1 | 2050 | X | Ą. | | | |
| 2 | A4-2 1 | 0 () | 1 | 2 | 8 | 1 61/21 | - | | | | | |
| S | A4-3 1 | 11 | 0, 1 | 5 | 75 | 12/19 | 1051 | | | | | |
| ¢ | ANA T | 11 | | 6 | × | 12/24 1 | 125 | | | | | |
| 5 | ころすめい | 11 | 0, - | X | × | 12/19 1 | 135 1 | | | | | |
| 6 | AB-6 (1 | 16 | 01 | 6 | × | 12/09 1 | 170 | | | | | |
| 6-7 | 1 2. 14 | 11 | 5 | 2/5 | K PS | 1 5/12/ | 200 | | | | | |
| م | Add 4 | 11 | 2 | * | X | | 255 1 | | | | | |
| EASE NOTE: Liability and | 10 Att-10 | (1) | C C I | er based in contract o | or tort, shall be limited t | 10114 C | the client for the | ANG | 0 | _ | | |
| alyses. All claims including rvice. In no event shall Care liates or successors arising | analyses. All claims including those for neglectore and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of uses, or loss of profits incurred by clent, its subsidiaries, affiates or successors antising out of or related to the performance of services tregunder by cardinal, regardless of whether such daims to beed upon any of the above studior hashes to otherwise. | ause whatsoever shall be d quertal damages, including of services hereunder by Ca | a deemed waived unless made in writing and received by (19 without limitation, business interruptions, loss of use, or Cardinal, regardless of whether such claim is based upon | ; made in writing and r iness interruptions, lo whether such claim is | received by Cardinal w ss of use, or loss of pr based upon any of the | inal within 30 days after completion of the of profits incurred by client, its subsidiarie of the above stated reasons or otherwise. | mpletion of the appl t, its subsidiaries, ts or otherwise. | cable | | | | |
| Relinquished By: | | Time 2 20/14 | Received By: | ALAR V | M | RIP | Phone Result: Fax Result: REMARKS: | □ Yes | | Add'l Phone #: Add'l Fax #: | | |
| Relinquished By: | C. | Date: Time: | Received By: | Y: | | 1 | | | | | | |
| | | | | | | | | | | | | |

Page 78 of 146

-aboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Laboratories

Page 79 of 146

Page 17 of 17

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

.

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

| Company Name: Safety and Environmental Solution | |
|--|--|
| | BO #: ANALYSIS REQUEST |
| Address: 703 East Clinton, PO Box 1613 | |
| City: Hobbs State: NM Zip: 88240 | Attn: |
| 397-0510 Fax #: 575 393-4 | Address: |
| t Owne | City: |
| Project Name: | |
| Project Location: | Discondu |
| Sampler Name: North la La | # |
| Mary and | Fax # |
| MP. | PRESERV SAMPLING |
| PRAB OR (C)OM ONTAINERS ROUNDWATER ASTEWATER DIL UDGE | HER: ID/BASE: I/COOL HER: P BTGYD TPH 201000 |
| | 1/2 0 2 × 0 |
| AH-13 [F] | XXX CHUCHUS XXX |
| | |
| | |
| | |
| vor remedy for any claim anising whether based in contra- coever shall be deemed waived unless made in writing an ragos, including without inriktion, business interuptions, bereunder by Cardinal, regardless of whether such daim | st or fort, shall be limited to the amount paid by the client for the directived by Cardinal within 30 days after completion of the applicable less of use, or loss of profits incurred by client, its subcliquines, its based upon any of the above start based and as a subcliquines. |
| Jeen of | Phone Result: Ves No Add'I Phone #: Fax Result: Yes No Add'I Phone #: REMARKS: Add'I Fax #: |
| Delivered By: (Circle One) 29 Kan Sample Condition | on CHECKED BY- |
| Sampler - UPS - Bus - Other: | 4 |



January 22, 2020

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: DEV-19-009

Enclosed are the results of analyses for samples received by the laboratory on 01/17/20 15:00.

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 www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

| Received: | 01/17/2020 | Sampling Date: | 01/17/2020 |
|-------------------|--------------------|---------------------|----------------|
| Reported: | 01/22/2020 | Sampling Type: | Soil |
| Project Name: | DEV-19-009 | Sampling Condition: | Cool & Intact |
| Project Number: | DEVON - THISTLE 44 | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: SP - 1 1' (H000187-01)

| 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 | 01/20/2020 | ND | 1.82 | 91.2 | 2.00 | 14.1 | |
| Toluene* | <0.050 | 0.050 | 01/20/2020 | ND | 1.89 | 94.5 | 2.00 | 14.3 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/20/2020 | ND | 1.88 | 94.2 | 2.00 | 13.7 | |
| Total Xylenes* | <0.150 | 0.150 | 01/20/2020 | ND | 5.60 | 93.3 | 6.00 | 13.9 | |
| Total BTEX | <0.300 | 0.300 | 01/20/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.5 | % 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 | 01/22/2020 | ND | 400 | 100 | 400 | 0.00 | |
| 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 | 01/21/2020 | ND | 213 | 106 | 200 | 0.170 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/21/2020 | ND | 201 | 100 | 200 | 2.69 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/21/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 98.7 | % 41-142 | 2 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 102 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

| Received: | 01/17/2020 | Sampling Date: | 01/17/2020 |
|-------------------|--------------------|---------------------|----------------|
| Reported: | 01/22/2020 | Sampling Type: | Soil |
| Project Name: | DEV-19-009 | Sampling Condition: | Cool & Intact |
| Project Number: | DEVON - THISTLE 44 | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: SP - 2 1' (H000187-02)

| 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 | 01/20/2020 | ND | 1.82 | 91.2 | 2.00 | 14.1 | |
| Toluene* | <0.050 | 0.050 | 01/20/2020 | ND | 1.89 | 94.5 | 2.00 | 14.3 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/20/2020 | ND | 1.88 | 94.2 | 2.00 | 13.7 | |
| Total Xylenes* | <0.150 | 0.150 | 01/20/2020 | ND | 5.60 | 93.3 | 6.00 | 13.9 | |
| Total BTEX | <0.300 | 0.300 | 01/20/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.8 | % 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 | 1060 | 16.0 | 01/22/2020 | ND | 400 | 100 | 400 | 0.00 | |
| 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 | 01/21/2020 | ND | 213 | 106 | 200 | 0.170 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/21/2020 | ND | 201 | 100 | 200 | 2.69 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/21/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 95.1 | % 41-142 | 2 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 96.2 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

| Received: | 01/17/2020 | Sampling Date: | 01/17/2020 |
|-------------------|--------------------|---------------------|----------------|
| Reported: | 01/22/2020 | Sampling Type: | Soil |
| Project Name: | DEV-19-009 | Sampling Condition: | Cool & Intact |
| Project Number: | DEVON - THISTLE 44 | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: SP - 3 1' (H000187-03)

| 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 | 01/20/2020 | ND | 1.82 | 91.2 | 2.00 | 14.1 | |
| Toluene* | <0.050 | 0.050 | 01/20/2020 | ND | 1.89 | 94.5 | 2.00 | 14.3 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/20/2020 | ND | 1.88 | 94.2 | 2.00 | 13.7 | |
| Total Xylenes* | <0.150 | 0.150 | 01/20/2020 | ND | 5.60 | 93.3 | 6.00 | 13.9 | |
| Total BTEX | <0.300 | 0.300 | 01/20/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 95.9 | % 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 | 1090 | 16.0 | 01/22/2020 | ND | 400 | 100 | 400 | 0.00 | |
| 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 | 01/21/2020 | ND | 213 | 106 | 200 | 0.170 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/21/2020 | ND | 201 | 100 | 200 | 2.69 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/21/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 97.6 | % 41-142 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 98.0 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

| Received: | 01/17/2020 | Sampling Date: | 01/17/2020 |
|-------------------|--------------------|---------------------|----------------|
| Reported: | 01/22/2020 | Sampling Type: | Soil |
| Project Name: | DEV-19-009 | Sampling Condition: | Cool & Intact |
| Project Number: | DEVON - THISTLE 44 | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: TT - 4 2' (H000187-04)

| 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 | 01/20/2020 | ND | 1.82 | 91.2 | 2.00 | 14.1 | |
| Toluene* | <0.050 | 0.050 | 01/20/2020 | ND | 1.89 | 94.5 | 2.00 | 14.3 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/20/2020 | ND | 1.88 | 94.2 | 2.00 | 13.7 | |
| Total Xylenes* | <0.150 | 0.150 | 01/20/2020 | ND | 5.60 | 93.3 | 6.00 | 13.9 | |
| Total BTEX | <0.300 | 0.300 | 01/20/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.1 | % 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 | 528 | 16.0 | 01/22/2020 | ND | 400 | 100 | 400 | 0.00 | |
| 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 | 01/21/2020 | ND | 213 | 106 | 200 | 0.170 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/21/2020 | ND | 201 | 100 | 200 | 2.69 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/21/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 93.9 | % 41-142 | 2 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 95.3 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

| Received: | 01/17/2020 | Sampling Date: | 01/17/2020 |
|-------------------|--------------------|---------------------|----------------|
| Reported: | 01/22/2020 | Sampling Type: | Soil |
| Project Name: | DEV-19-009 | Sampling Condition: | Cool & Intact |
| Project Number: | DEVON - THISTLE 44 | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: TT - 5 1' (H000187-05)

| 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 | 01/20/2020 | ND | 1.82 | 91.2 | 2.00 | 14.1 | |
| Toluene* | <0.050 | 0.050 | 01/20/2020 | ND | 1.89 | 94.5 | 2.00 | 14.3 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/20/2020 | ND | 1.88 | 94.2 | 2.00 | 13.7 | |
| Total Xylenes* | <0.150 | 0.150 | 01/20/2020 | ND | 5.60 | 93.3 | 6.00 | 13.9 | |
| Total BTEX | <0.300 | 0.300 | 01/20/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 95.7 | % 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 | 448 | 16.0 | 01/22/2020 | ND | 416 | 104 | 400 | 0.00 | |
| 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 | 01/21/2020 | ND | 213 | 106 | 200 | 0.170 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/21/2020 | ND | 201 | 100 | 200 | 2.69 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/21/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 89.3 | % 41-142 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 89.7 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

| Received: | 01/17/2020 | Sampling Date: | 01/17/2020 |
|-------------------|--------------------|---------------------|----------------|
| Reported: | 01/22/2020 | Sampling Type: | Soil |
| Project Name: | DEV-19-009 | Sampling Condition: | Cool & Intact |
| Project Number: | DEVON - THISTLE 44 | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: TT - 6 1' (H000187-06)

| 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 | 01/21/2020 | ND | 1.88 | 94.2 | 2.00 | 3.12 | |
| Toluene* | <0.050 | 0.050 | 01/21/2020 | ND | 1.95 | 97.4 | 2.00 | 2.86 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/21/2020 | ND | 1.94 | 96.9 | 2.00 | 2.76 | |
| Total Xylenes* | <0.150 | 0.150 | 01/21/2020 | ND | 5.76 | 96.0 | 6.00 | 2.53 | |
| Total BTEX | <0.300 | 0.300 | 01/21/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 92.6 | % 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 | 608 | 16.0 | 01/22/2020 | ND | 416 | 104 | 400 | 0.00 | |
| 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 | 01/21/2020 | ND | 213 | 106 | 200 | 0.170 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/21/2020 | ND | 201 | 100 | 200 | 2.69 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/21/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 94.0 | % 41-142 | 2 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 94.4 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

| Received: | 01/17/2020 | Sampling Date: | 01/17/2020 |
|-------------------|--------------------|---------------------|----------------|
| Reported: | 01/22/2020 | Sampling Type: | Soil |
| Project Name: | DEV-19-009 | Sampling Condition: | Cool & Intact |
| Project Number: | DEVON - THISTLE 44 | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: TT - 7 1' (H000187-07)

| 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 | 01/21/2020 | ND | 1.88 | 94.2 | 2.00 | 3.12 | |
| Toluene* | <0.050 | 0.050 | 01/21/2020 | ND | 1.95 | 97.4 | 2.00 | 2.86 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/21/2020 | ND | 1.94 | 96.9 | 2.00 | 2.76 | |
| Total Xylenes* | <0.150 | 0.150 | 01/21/2020 | ND | 5.76 | 96.0 | 6.00 | 2.53 | |
| Total BTEX | <0.300 | 0.300 | 01/21/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 91.4 | % 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 | 4720 | 16.0 | 01/22/2020 | ND | 416 | 104 | 400 | 0.00 | |
| 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 | 01/21/2020 | ND | 213 | 106 | 200 | 0.170 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/21/2020 | ND | 201 | 100 | 200 | 2.69 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/21/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 95.1 | % 41-142 | 2 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 96.4 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

| Received: | 01/17/2020 | Sampling Date: | 01/17/2020 |
|-------------------|--------------------|---------------------|----------------|
| Reported: | 01/22/2020 | Sampling Type: | Soil |
| Project Name: | DEV-19-009 | Sampling Condition: | Cool & Intact |
| Project Number: | DEVON - THISTLE 44 | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: TT - 8 1' (H000187-08)

| 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 | 01/21/2020 | ND | 1.88 | 94.2 | 2.00 | 3.12 | |
| Toluene* | <0.050 | 0.050 | 01/21/2020 | ND | 1.95 | 97.4 | 2.00 | 2.86 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/21/2020 | ND | 1.94 | 96.9 | 2.00 | 2.76 | |
| Total Xylenes* | <0.150 | 0.150 | 01/21/2020 | ND | 5.76 | 96.0 | 6.00 | 2.53 | |
| Total BTEX | <0.300 | 0.300 | 01/21/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.6 | % 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 | 4720 | 16.0 | 01/22/2020 | ND | 416 | 104 | 400 | 0.00 | |
| 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 | 01/21/2020 | ND | 213 | 106 | 200 | 0.170 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/21/2020 | ND | 201 | 100 | 200 | 2.69 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/21/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 96.0 | % 41-142 | 2 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 95.1 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

| Received: | 01/17/2020 | Sampling Date: | 01/17/2020 |
|-------------------|--------------------|---------------------|----------------|
| Reported: | 01/22/2020 | Sampling Type: | Soil |
| Project Name: | DEV-19-009 | Sampling Condition: | Cool & Intact |
| Project Number: | DEVON - THISTLE 44 | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: TT - 9 1' (H000187-09)

| 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 | 01/21/2020 | ND | 1.88 | 94.2 | 2.00 | 3.12 | |
| Toluene* | <0.050 | 0.050 | 01/21/2020 | ND | 1.95 | 97.4 | 2.00 | 2.86 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/21/2020 | ND | 1.94 | 96.9 | 2.00 | 2.76 | |
| Total Xylenes* | <0.150 | 0.150 | 01/21/2020 | ND | 5.76 | 96.0 | 6.00 | 2.53 | |
| Total BTEX | <0.300 | 0.300 | 01/21/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.2 | % 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 | 1410 | 16.0 | 01/22/2020 | ND | 416 | 104 | 400 | 0.00 | |
| 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 | 01/21/2020 | ND | 213 | 106 | 200 | 0.170 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/21/2020 | ND | 201 | 100 | 200 | 2.69 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/21/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 93.7 | % 41-142 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 94.2 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

| Received: | 01/17/2020 | Sampling Date: | 01/17/2020 |
|-------------------|--------------------|---------------------|----------------|
| Reported: | 01/22/2020 | Sampling Type: | Soil |
| Project Name: | DEV-19-009 | Sampling Condition: | Cool & Intact |
| Project Number: | DEVON - THISTLE 44 | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: TT - 10 1' (H000187-10)

| 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 | 01/21/2020 | ND | 1.88 | 94.2 | 2.00 | 3.12 | |
| Toluene* | <0.050 | 0.050 | 01/21/2020 | ND | 1.95 | 97.4 | 2.00 | 2.86 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/21/2020 | ND | 1.94 | 96.9 | 2.00 | 2.76 | |
| Total Xylenes* | <0.150 | 0.150 | 01/21/2020 | ND | 5.76 | 96.0 | 6.00 | 2.53 | |
| Total BTEX | <0.300 | 0.300 | 01/21/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 93.7 | % 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 | 5040 | 16.0 | 01/22/2020 | ND | 416 | 104 | 400 | 0.00 | |
| 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 | 01/21/2020 | ND | 213 | 106 | 200 | 0.170 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/21/2020 | ND | 201 | 100 | 200 | 2.69 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/21/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 98.2 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 98.2 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

| Received: | 01/17/2020 | Sampling Date: | 01/17/2020 |
|-------------------|--------------------|---------------------|----------------|
| Reported: | 01/22/2020 | Sampling Type: | Soil |
| Project Name: | DEV-19-009 | Sampling Condition: | Cool & Intact |
| Project Number: | DEVON - THISTLE 44 | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: TT - 11 1' (H000187-11)

| 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 | 01/21/2020 | ND | 1.88 | 94.2 | 2.00 | 3.12 | |
| Toluene* | <0.050 | 0.050 | 01/21/2020 | ND | 1.95 | 97.4 | 2.00 | 2.86 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/21/2020 | ND | 1.94 | 96.9 | 2.00 | 2.76 | |
| Total Xylenes* | <0.150 | 0.150 | 01/21/2020 | ND | 5.76 | 96.0 | 6.00 | 2.53 | |
| Total BTEX | <0.300 | 0.300 | 01/21/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.5 | % 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 | 1460 | 16.0 | 01/22/2020 | ND | 416 | 104 | 400 | 0.00 | |
| 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 | 01/21/2020 | ND | 213 | 106 | 200 | 0.170 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/21/2020 | ND | 201 | 100 | 200 | 2.69 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/21/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 93.7 | % 41-142 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 97.3 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

| Received: | 01/17/2020 | Sampling Date: | 01/17/2020 |
|-------------------|--------------------|---------------------|----------------|
| Reported: | 01/22/2020 | Sampling Type: | Soil |
| Project Name: | DEV-19-009 | Sampling Condition: | Cool & Intact |
| Project Number: | DEVON - THISTLE 44 | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: TT - 12 1' (H000187-12)

| 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 | 01/21/2020 | ND | 1.88 | 94.2 | 2.00 | 3.12 | |
| Toluene* | <0.050 | 0.050 | 01/21/2020 | ND | 1.95 | 97.4 | 2.00 | 2.86 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/21/2020 | ND | 1.94 | 96.9 | 2.00 | 2.76 | |
| Total Xylenes* | <0.150 | 0.150 | 01/21/2020 | ND | 5.76 | 96.0 | 6.00 | 2.53 | |
| Total BTEX | <0.300 | 0.300 | 01/21/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.8 | % 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 | 4640 | 16.0 | 01/22/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/21/2020 | ND | 213 | 106 | 200 | 0.170 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/21/2020 | ND | 201 | 100 | 200 | 2.69 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/21/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 98.5 | % 41-142 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 97.8 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

| Received: | 01/17/2020 | Sampling Date: | 01/17/2020 |
|-------------------|--------------------|---------------------|----------------|
| Reported: | 01/22/2020 | Sampling Type: | Soil |
| Project Name: | DEV-19-009 | Sampling Condition: | Cool & Intact |
| Project Number: | DEVON - THISTLE 44 | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: TT - 13 1' (H000187-13)

| 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 | 01/21/2020 | ND | 1.88 | 94.2 | 2.00 | 3.12 | |
| Toluene* | <0.050 | 0.050 | 01/21/2020 | ND | 1.95 | 97.4 | 2.00 | 2.86 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/21/2020 | ND | 1.94 | 96.9 | 2.00 | 2.76 | |
| Total Xylenes* | <0.150 | 0.150 | 01/21/2020 | ND | 5.76 | 96.0 | 6.00 | 2.53 | |
| Total BTEX | <0.300 | 0.300 | 01/21/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 94.7 | % 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 | 1100 | 16.0 | 01/22/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | /kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/21/2020 | ND | 213 | 106 | 200 | 0.170 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/21/2020 | ND | 201 | 100 | 200 | 2.69 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/21/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 95.0 | % 41-142 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 96.2 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

| Received: | 01/17/2020 | Sampling Date: | 01/17/2020 |
|-------------------|--------------------|---------------------|----------------|
| Reported: | 01/22/2020 | Sampling Type: | Soil |
| Project Name: | DEV-19-009 | Sampling Condition: | Cool & Intact |
| Project Number: | DEVON - THISTLE 44 | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: TT - 13 2' (H000187-14)

| 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 | 01/21/2020 | ND | 1.88 | 94.2 | 2.00 | 3.12 | |
| Toluene* | <0.050 | 0.050 | 01/21/2020 | ND | 1.95 | 97.4 | 2.00 | 2.86 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/21/2020 | ND | 1.94 | 96.9 | 2.00 | 2.76 | |
| Total Xylenes* | <0.150 | 0.150 | 01/21/2020 | ND | 5.76 | 96.0 | 6.00 | 2.53 | |
| Total BTEX | <0.300 | 0.300 | 01/21/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.5 | % 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 | 80.0 | 16.0 | 01/22/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/21/2020 | ND | 213 | 106 | 200 | 0.170 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/21/2020 | ND | 201 | 100 | 200 | 2.69 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/21/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 94.5 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 94.1 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

| 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

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and clent's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose of use, or loss of profits incurred by client, its subsidiaries, affiliates or successor arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

City: Project Location: Project Name: Project Manager: Company Name: Sampler Name: Project #: Phone #: analyses. All claims including those for negligence and any other cause whatsoever shall be deamed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Gardinal be fable for Incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, Address: Relinquished By: Relinquished By: Sampler - UPS - Bus - Other: LEASE NOTE: Libbity and Damages. Cardinal's liability and client's exclusive remedy for any daim arising whether based in contract or tort, shall be finited to the amount baid by the client for the Delivered By: (Circle One) FOR LAB USE ONLY Lab I.D. 81000 9 3 00-19-00 3 575 397-0510 0 Hobbs 703 East Clinton, 5 (575) 393-2326 FAX (575) 393-2476 0-1 1 Safety and Environmental Solutions 200 5 1) Bob Allen C б Sample I.D EUGN 0 PO Box 1613 3.60 TIMEOU Fax #: O P 171 Project Owner: Time: Date: State: NM 27 5+ 575 393-4388 120 ENH Del DY Zip: 88240 240 0 0 2 O. (G)RAB OR (C)OMP. 3 Received By: Received By: # CONTAINERS 44 GROUNDWATER Sample Condition Cool Intact of whether such daim is bas WASTEWATER MATRIX F.Y SOIL OIL SLUDGE city: P.O. #: State: Attn: Phone #: OTHER : Fax #: Address: Company: ACID/BASE: PRESERV upon any of the above stated (Initials) ICE / COOL (0) 1 = 1 = 1 { (C) OTHER : Same Zip: 0 DATE SAMPLING Fax Result: REMARKS: 0930 1035 1402 6135 (110 1050 13:40 315 TIME 8015 CYDF ł Yes No ANALYSIS Add'l Fax #: Phone #: REQUEST

Received by OCD: 6/12/2020 1:22:24 PM

Page 96 of 146

Laboratories

101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL Laboratories

Page 97 of 146

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1

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

| 0 | • | |
|--|--|--|
| Company Name: Safety and Environmental Solutions | BILL TO | ANALYSIS REQUEST |
| Project Manager: Bob Allen | P.O. #: | |
| Address: 703 East Clinton, PO Box 1613 | Company: Same | |
| City: Hobbs State: NM Zip: 88240 | 1 I I I | |
| Phone #: 575 397-0510 Fax #: 575 393-4388 | Address: | |
| : Der 19-029 | City: | |
| Project Name: | State: Zip: | |
| Project Location: | 5 井 | |
| Sampler Name: | Fax#: | |
| | PRESERV. SAMPLING | |
| Hood 87 .D. Sample I.D. (G)RAB OR (C)ON # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL | SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : DATE | Brex |
| | SB | |
| 1311113 17-7 13111 10 | X = = 1/245 \ | |
| 1173 2Fr | 8 orl(1 1300 X | |
| | | |
| PLEASE NOTE: Liabity and Damages. Cardinal's fability and client's exclusive remedy for any claim ansing whether based in contract or tort, shall be fimited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatseever shall be deemed valved unless made in writing and resclued by Cardinal within 30 days after complexitor of the applicable service. In no event shall Cardinal be liable for incidential or consequential diamages, including without thintaben, business interruptions, loss of use, or loss of portices hoursed by Cardinal within 30 days after complexities of service. In no event shall Cardinal be liable for incidential or consequential diamages, including without thintaben, business interruptions, loss of use, or loss of portices incidential to the performance of services thereunge the Vardinal, retardinal variable services that in based lucon any of the above studied reasons or to the above studied reasons or the above studied reasons or to the above studied reasons | ract or tort, shall be finited to the amount paid by the client for the and resolved by Cardinal within 30 days after completion of the applicable ns, loss of use, or loss of profits incurred by client, its subsidiates, inn is based upon envy of the above studied reasons or otherwise. | а |
| Relinquished By: | it: | □ Yes □ No Add'I Phone #: □ Yes □ No Add'I Fax #: |
| Relinquished By: Date: Received By: Time: | | • |
| Sampler - UPS - Bus - Other: 3.6 2 #113 | fes CHECKED BY: | |

Received by OCD: 6/12/2020 1:22:24 PM

Date Reported:

| CLIENT: | Safety & Environmental Sol | utions | Client Sample ID: SP-2-V 2' | | | | | | |
|----------|----------------------------|--------------|-----------------------------|--------------------------------------|---------------|----------------------|-------|--|--|
| Project: | Devon Thistle 44H 2081185 | 57 | (| Collection Date: 6/1/2020 1:20:00 PM | | | | | |
| Lab ID: | 2006158-001 | Matrix: SOIL | | Received Dat | e: 6/3 | 8/2020 9:15:00 AM | | | |
| Analyses | | Result | RL | Qual Units | DF | Date Analyzed | Batch | | |
| EPA ME | THOD 300.0: ANIONS | | | | | Analyst | : ЈМТ | | |
| Chloride | | 200 | 60 | mg/Kg | 20 | 6/11/2020 1:26:56 AM | 53015 | | |
| EPA ME | THOD 8015D MOD: GASOLIN | NE RANGE | | | | Analyst | DJF | | |
| Gasoline | e Range Organics (GRO) | ND | 4.6 | mg/Kg | 1 | 6/6/2020 5:04:12 AM | 52871 | | |
| Surr: | BFB | 100 | 70-130 | %Rec | 1 | 6/6/2020 5:04:12 AM | 52871 | | |
| EPA ME | THOD 8015M/D: DIESEL RAM | NGE ORGANICS | | | | Analyst | BRM | | |
| Diesel R | ange Organics (DRO) | ND | 9.5 | mg/Kg | 1 | 6/5/2020 6:51:58 PM | 52874 | | |
| Motor O | il Range Organics (MRO) | ND | 47 | mg/Kg | 1 | 6/5/2020 6:51:58 PM | 52874 | | |
| Surr: | DNOP | 87.0 | 55.1-146 | %Rec | 1 | 6/5/2020 6:51:58 PM | 52874 | | |
| EPA ME | THOD 8260B: VOLATILES SI | HORT LIST | | | | Analyst | DJF | | |
| Benzene | 9 | ND | 0.023 | mg/Kg | 1 | 6/6/2020 5:04:12 AM | 52871 | | |
| Toluene | | ND | 0.046 | mg/Kg | 1 | 6/6/2020 5:04:12 AM | 52871 | | |
| Ethylber | izene | ND | 0.046 | mg/Kg | 1 | 6/6/2020 5:04:12 AM | 52871 | | |
| Xylenes, | , Total | ND | 0.092 | mg/Kg | 1 | 6/6/2020 5:04:12 AM | 52871 | | |
| Surr: | 1,2-Dichloroethane-d4 | 98.9 | 70-130 | %Rec | 1 | 6/6/2020 5:04:12 AM | 52871 | | |
| | 4-Bromofluorobenzene | 95.2 | 70-130 | %Rec | 1 | 6/6/2020 5:04:12 AM | 52871 | | |
| Surr: | Dibromofluoromethane | 99.3 | 70-130 | %Rec | 1 | 6/6/2020 5:04:12 AM | 52871 | | |
| Surr: | Toluene-d8 | 102 | 70-130 | %Rec | 1 | 6/6/2020 5:04:12 AM | 52871 | | |

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

Page 1 of 0

| Hall Environmental Analysis Laboratory, Inc. Date Reported: | | | | | | | | | |
|---|--|--------------|----------|---|-------|----|-----------------------|-------|--|
| CLIENT: Project: Lab ID: | Safety & Environmental Sol Devon Thistle 44H 2081185 2006158-002 | | | Client Sample ID: SP-3-V 2' Collection Date: 6/1/2020 2:00:00 PM Received Date: 6/3/2020 9:15:00 AM | | | | | |
| Analyses | | Result | RL | Qual | Units | DF | Date Analyzed | Batch | |
| EPA MET | HOD 300.0: ANIONS | | | | | | Analyst: | ЈМТ | |
| Chloride | | ND | 60 | | mg/Kg | 20 | 6/11/2020 11:39:00 AM | 53020 | |
| EPA MET | HOD 8015D MOD: GASOLI | NE RANGE | | | | | Analyst: | DJF | |
| Gasoline | Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 6/6/2020 5:33:28 AM | 52871 | |
| Surr: E | BFB | 103 | 70-130 | | %Rec | 1 | 6/6/2020 5:33:28 AM | 52871 | |
| EPA MET | HOD 8015M/D: DIESEL RAI | NGE ORGANICS | | | | | Analyst: | BRM | |
| Diesel R | ange Organics (DRO) | ND | 9.4 | | mg/Kg | 1 | 6/5/2020 7:16:41 PM | 52874 | |
| Motor Oi | Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 6/5/2020 7:16:41 PM | 52874 | |
| Surr: [| DNOP | 87.1 | 55.1-146 | | %Rec | 1 | 6/5/2020 7:16:41 PM | 52874 | |
| EPA MET | HOD 8260B: VOLATILES S | HORT LIST | | | | | Analyst: | DJF | |
| Benzene | | ND | 0.024 | | mg/Kg | 1 | 6/6/2020 5:33:28 AM | 52871 | |
| Toluene | | ND | 0.049 | | mg/Kg | 1 | 6/6/2020 5:33:28 AM | 52871 | |
| Ethylben | zene | ND | 0.049 | | mg/Kg | 1 | 6/6/2020 5:33:28 AM | 52871 | |
| Xylenes, | Total | ND | 0.098 | | mg/Kg | 1 | 6/6/2020 5:33:28 AM | 52871 | |
| Surr: 1 | ,2-Dichloroethane-d4 | 99.7 | 70-130 | | %Rec | 1 | 6/6/2020 5:33:28 AM | 52871 | |
| Surr: 4 | I-Bromofluorobenzene | 96.9 | 70-130 | | %Rec | 1 | 6/6/2020 5:33:28 AM | 52871 | |
| Surr: [| Dibromofluoromethane | 95.5 | 70-130 | | %Rec | 1 | 6/6/2020 5:33:28 AM | 52871 | |
| Surr: 7 | Foluene-d8 | 103 | 70-130 | | %Rec | 1 | 6/6/2020 5:33:28 AM | 52871 | |

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

- 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 0

Date Reported:

| CLIENT | : Safety & Environmental So | lutions | Cl | ient Sample II | D: SP | -6-V 2' | |
|----------|-----------------------------|--------------|----------|---------------------|---------------|-----------------------|-------|
| Project: | Devon Thistle 44H 208118 | 57 | (| Collection Dat | e: 6/1 | /2020 9:55:00 AM | |
| Lab ID: | 2006158-003 | Matrix: SOIL | | Received Dat | e: 6/3 | 8/2020 9:15:00 AM | |
| Analyses | 3 | Result | RL | Qual Units | DF | Date Analyzed | Batch |
| EPA ME | THOD 300.0: ANIONS | | | | | Analyst: | ЈМТ |
| Chloride | | 150 | 60 | mg/Kg | 20 | 6/11/2020 11:52:00 AM | 53020 |
| EPA ME | THOD 8015D MOD: GASOLI | NE RANGE | | | | Analyst: | DJF |
| Gasoline | e Range Organics (GRO) | ND | 4.8 | mg/Kg | 1 | 6/6/2020 6:02:57 AM | 52871 |
| Surr: | BFB | 99.3 | 70-130 | %Rec | 1 | 6/6/2020 6:02:57 AM | 52871 |
| EPA ME | THOD 8015M/D: DIESEL RA | NGE ORGANICS | | | | Analyst | BRM |
| Diesel R | ange Organics (DRO) | ND | 9.7 | mg/Kg | 1 | 6/5/2020 7:41:16 PM | 52874 |
| Motor O | il Range Organics (MRO) | ND | 48 | mg/Kg | 1 | 6/5/2020 7:41:16 PM | 52874 |
| Surr: | DNOP | 86.3 | 55.1-146 | %Rec | 1 | 6/5/2020 7:41:16 PM | 52874 |
| EPA ME | THOD 8260B: VOLATILES S | HORT LIST | | | | Analyst | DJF |
| Benzene | 9 | ND | 0.024 | mg/Kg | 1 | 6/6/2020 6:02:57 AM | 52871 |
| Toluene | | ND | 0.048 | mg/Kg | 1 | 6/6/2020 6:02:57 AM | 52871 |
| Ethylber | nzene | ND | 0.048 | mg/Kg | 1 | 6/6/2020 6:02:57 AM | 52871 |
| Xylenes | , Total | ND | 0.097 | mg/Kg | 1 | 6/6/2020 6:02:57 AM | 52871 |
| Surr: | 1,2-Dichloroethane-d4 | 97.8 | 70-130 | %Rec | 1 | 6/6/2020 6:02:57 AM | 52871 |
| Surr: | 4-Bromofluorobenzene | 92.5 | 70-130 | %Rec | 1 | 6/6/2020 6:02:57 AM | 52871 |
| Surr: | Dibromofluoromethane | 93.2 | 70-130 | %Rec | 1 | 6/6/2020 6:02:57 AM | 52871 |
| Surr: | Toluene-d8 | 100 | 70-130 | %Rec | 1 | 6/6/2020 6:02:57 AM | 52871 |

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

Page 3 of 0

Date Reported:

| CLIENT: Safety & Environmental Solutions | | | Client Sample ID: TT-7-V 2' | | | | | |
|--|---------------------------|--------------|-----------------------------|---------------------|---------------|-----------------------|-------|--|
| Project: | Devon Thistle 44H 2081185 | 57 | (| Collection Dat | e: 6/1 | /2020 10:15:00 AM | | |
| Lab ID: | 2006158-004 | Matrix: SOIL | | Received Dat | e: 6/3 | 8/2020 9:15:00 AM | | |
| Analyses | | Result | RL | Qual Units | DF | Date Analyzed | Batch | |
| EPA ME | THOD 300.0: ANIONS | | | | | Analyst: | ЈМТ | |
| Chloride | | 150 | 60 | mg/Kg | 20 | 6/11/2020 12:04:00 PM | 53020 | |
| EPA ME | THOD 8015D MOD: GASOLII | NE RANGE | | | | Analyst: | DJF | |
| Gasoline | e Range Organics (GRO) | ND | 4.8 | mg/Kg | 1 | 6/6/2020 6:32:09 AM | 52871 | |
| Surr: | BFB | 97.8 | 70-130 | %Rec | 1 | 6/6/2020 6:32:09 AM | 52871 | |
| EPA ME | THOD 8015M/D: DIESEL RAI | NGE ORGANICS | | | | Analyst: | BRM | |
| Diesel R | ange Organics (DRO) | ND | 9.7 | mg/Kg | 1 | 6/5/2020 8:05:46 PM | 52874 | |
| Motor O | il Range Organics (MRO) | ND | 49 | mg/Kg | 1 | 6/5/2020 8:05:46 PM | 52874 | |
| Surr: | DNOP | 87.9 | 55.1-146 | %Rec | 1 | 6/5/2020 8:05:46 PM | 52874 | |
| EPA ME | THOD 8260B: VOLATILES S | HORT LIST | | | | Analyst: | DJF | |
| Benzene | 9 | ND | 0.024 | mg/Kg | 1 | 6/6/2020 6:32:09 AM | 52871 | |
| Toluene | | ND | 0.048 | mg/Kg | 1 | 6/6/2020 6:32:09 AM | 52871 | |
| Ethylber | izene | ND | 0.048 | mg/Kg | 1 | 6/6/2020 6:32:09 AM | 52871 | |
| Xylenes, | Total | ND | 0.095 | mg/Kg | 1 | 6/6/2020 6:32:09 AM | 52871 | |
| Surr: | 1,2-Dichloroethane-d4 | 103 | 70-130 | %Rec | 1 | 6/6/2020 6:32:09 AM | 52871 | |
| Surr: | 4-Bromofluorobenzene | 95.8 | 70-130 | %Rec | 1 | 6/6/2020 6:32:09 AM | 52871 | |
| Surr: | Dibromofluoromethane | 102 | 70-130 | %Rec | 1 | 6/6/2020 6:32:09 AM | 52871 | |
| Surr: | Toluene-d8 | 103 | 70-130 | %Rec | 1 | 6/6/2020 6:32:09 AM | 52871 | |

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

Page 4 of 0

Date Reported:

| | | | | | | Date Reported. | |
|----------|---------------------------|--------------|----------|---------------------|---------------|-----------------------|-------|
| CLIENT | Safety & Environmental So | lutions | Cl | ient Sample II | D: TT | -8-V 2' | |
| Project: | Devon Thistle 44H 208118 | 57 | (| Collection Dat | e: 6/1 | /2020 10:35:00 AM | |
| Lab ID: | 2006158-005 | Matrix: SOIL | | Received Dat | e: 6/3 | 8/2020 9:15:00 AM | |
| Analyses | 3 | Result | RL | Qual Units | DF | Date Analyzed | Batch |
| EPA ME | THOD 300.0: ANIONS | | | | | Analys | : JMT |
| Chloride | | ND | 60 | mg/Kg | 20 | 6/11/2020 12:17:00 PM | 53020 |
| EPA ME | THOD 8015D MOD: GASOLI | NE RANGE | | | | Analys | : DJF |
| Gasoline | e Range Organics (GRO) | ND | 4.7 | mg/Kg | 1 | 6/6/2020 7:01:38 AM | 52871 |
| Surr: | BFB | 101 | 70-130 | %Rec | 1 | 6/6/2020 7:01:38 AM | 52871 |
| EPA ME | THOD 8015M/D: DIESEL RA | NGE ORGANICS | | | | Analys | BRM |
| Diesel R | ange Organics (DRO) | ND | 10 | mg/Kg | 1 | 6/5/2020 8:30:11 PM | 52874 |
| Motor O | il Range Organics (MRO) | ND | 50 | mg/Kg | 1 | 6/5/2020 8:30:11 PM | 52874 |
| Surr: | DNOP | 87.8 | 55.1-146 | %Rec | 1 | 6/5/2020 8:30:11 PM | 52874 |
| EPA ME | THOD 8260B: VOLATILES S | HORT LIST | | | | Analys | : DJF |
| Benzene | 9 | ND | 0.023 | mg/Kg | 1 | 6/6/2020 7:01:38 AM | 52871 |
| Toluene | | ND | 0.047 | mg/Kg | 1 | 6/6/2020 7:01:38 AM | 52871 |
| Ethylber | nzene | ND | 0.047 | mg/Kg | 1 | 6/6/2020 7:01:38 AM | 52871 |
| Xylenes | , Total | ND | 0.093 | mg/Kg | 1 | 6/6/2020 7:01:38 AM | 52871 |
| Surr: | 1,2-Dichloroethane-d4 | 98.6 | 70-130 | %Rec | 1 | 6/6/2020 7:01:38 AM | 52871 |
| Surr: | 4-Bromofluorobenzene | 93.7 | 70-130 | %Rec | 1 | 6/6/2020 7:01:38 AM | 52871 |
| Surr: | Dibromofluoromethane | 97.3 | 70-130 | %Rec | 1 | 6/6/2020 7:01:38 AM | 52871 |
| Surr: | Toluene-d8 | 105 | 70-130 | %Rec | 1 | 6/6/2020 7:01:38 AM | 52871 |

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

Page 5 of 0

Date Reported:

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

| | | <u> </u> | | | | Date Reported. | |
|----------|----------------------------|--------------|----------|---------------------|---------------|-----------------------|-------|
| CLIENT: | Safety & Environmental Sol | utions | Cli | ient Sample II | D: TT | -9-V 2' | |
| Project: | Devon Thistle 44H 2081185 | 57 | (| Collection Dat | e: 6/1 | /2020 11:10:00 AM | |
| Lab ID: | 2006158-006 | Matrix: SOIL | | Received Dat | e: 6/3 | 8/2020 9:15:00 AM | |
| Analyses | 5 | Result | RL | Qual Units | DF | Date Analyzed | Batch |
| EPA ME | THOD 300.0: ANIONS | | | | | Analyst | ЈМТ |
| Chloride | | 150 | 60 | mg/Kg | 20 | 6/11/2020 12:29:00 PM | 53020 |
| EPA ME | THOD 8015D MOD: GASOLII | NE RANGE | | | | Analyst | DJF |
| Gasoline | e Range Organics (GRO) | ND | 5.0 | mg/Kg | 1 | 6/6/2020 7:30:57 AM | 52871 |
| Surr: | BFB | 100 | 70-130 | %Rec | 1 | 6/6/2020 7:30:57 AM | 52871 |
| EPA ME | THOD 8015M/D: DIESEL RAI | NGE ORGANICS | | | | Analyst | BRM |
| Diesel R | ange Organics (DRO) | ND | 10 | mg/Kg | 1 | 6/6/2020 8:22:23 AM | 52911 |
| Motor O | il Range Organics (MRO) | ND | 50 | mg/Kg | 1 | 6/6/2020 8:22:23 AM | 52911 |
| Surr: | DNOP | 84.4 | 55.1-146 | %Rec | 1 | 6/6/2020 8:22:23 AM | 52911 |
| EPA ME | THOD 8260B: VOLATILES S | HORT LIST | | | | Analyst | DJF |
| Benzene | 9 | ND | 0.025 | mg/Kg | 1 | 6/6/2020 7:30:57 AM | 52871 |
| Toluene | | ND | 0.050 | mg/Kg | 1 | 6/6/2020 7:30:57 AM | 52871 |
| Ethylber | nzene | ND | 0.050 | mg/Kg | 1 | 6/6/2020 7:30:57 AM | 52871 |
| Xylenes, | , Total | ND | 0.099 | mg/Kg | 1 | 6/6/2020 7:30:57 AM | 52871 |
| Surr: | 1,2-Dichloroethane-d4 | 101 | 70-130 | %Rec | 1 | 6/6/2020 7:30:57 AM | 52871 |
| Surr: | 4-Bromofluorobenzene | 93.2 | 70-130 | %Rec | 1 | 6/6/2020 7:30:57 AM | 52871 |
| Surr: | Dibromofluoromethane | 98.8 | 70-130 | %Rec | 1 | 6/6/2020 7:30:57 AM | 52871 |
| Surr: | Toluene-d8 | 104 | 70-130 | %Rec | 1 | 6/6/2020 7:30:57 AM | 52871 |
| | | | | | | | |

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

Page 6 of 0

Date Reported:

| CLIENT: | Safety & Environmental So | lutions | Cl | ient Sample II | D: TT | '-10-V 2' | |
|----------|---------------------------|--------------|----------|----------------|-------|-----------------------|-------|
| Project: | Devon Thistle 44H 208118 | 57 | | - | | /2020 12:00:00 PM | |
| Lab ID: | 2006158-007 | Matrix: SOIL | | | | 3/2020 9:15:00 AM | |
| Analyses | 3 | Result | RL | Qual Units | DF | Date Analyzed | Batch |
| EPA ME | THOD 300.0: ANIONS | | | | | Analyst: | JMT |
| Chloride | | 200 | 60 | mg/Kg | 20 | 6/11/2020 12:41:00 PM | 53020 |
| EPA ME | THOD 8015D MOD: GASOLI | NE RANGE | | | | Analyst: | DJF |
| Gasoline | e Range Organics (GRO) | ND | 4.8 | mg/Kg | 1 | 6/6/2020 3:32:29 PM | 52871 |
| Surr: | BFB | 103 | 70-130 | %Rec | 1 | 6/6/2020 3:32:29 PM | 52871 |
| EPA ME | THOD 8015M/D: DIESEL RA | NGE ORGANICS | | | | Analyst: | BRM |
| Diesel R | ange Organics (DRO) | ND | 9.9 | mg/Kg | 1 | 6/6/2020 9:34:36 AM | 52911 |
| Motor O | il Range Organics (MRO) | ND | 49 | mg/Kg | 1 | 6/6/2020 9:34:36 AM | 52911 |
| Surr: | DNOP | 94.2 | 55.1-146 | %Rec | 1 | 6/6/2020 9:34:36 AM | 52911 |
| EPA ME | THOD 8260B: VOLATILES S | HORT LIST | | | | Analyst: | DJF |
| Benzene | 9 | ND | 0.024 | mg/Kg | 1 | 6/6/2020 3:32:29 PM | 52871 |
| Toluene | | ND | 0.048 | mg/Kg | 1 | 6/6/2020 3:32:29 PM | 52871 |
| Ethylber | izene | ND | 0.048 | mg/Kg | 1 | 6/6/2020 3:32:29 PM | 52871 |
| Xylenes | , Total | ND | 0.096 | mg/Kg | 1 | 6/6/2020 3:32:29 PM | 52871 |
| Surr: | 1,2-Dichloroethane-d4 | 97.0 | 70-130 | %Rec | 1 | 6/6/2020 3:32:29 PM | 52871 |
| Surr: | 4-Bromofluorobenzene | 96.6 | 70-130 | %Rec | 1 | 6/6/2020 3:32:29 PM | 52871 |
| Surr: | Dibromofluoromethane | 93.0 | 70-130 | %Rec | 1 | 6/6/2020 3:32:29 PM | 52871 |
| Surr: | Toluene-d8 | 107 | 70-130 | %Rec | 1 | 6/6/2020 3:32:29 PM | 52871 |

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

Page 7 of 0

Date Reported:

| CLIENT | Safety & Environmental So | lutions | CI | ient Sample II | D: TT | '-11-V 2' | | | |
|-------------------------------------|---------------------------|--------------|---|----------------|--------------|-----------------------|-------|--|--|
| Project: Devon Thistle 44H 20811857 | | | Client Sample ID: TT-11-V 2' Collection Date: 6/1/2020 12:15:00 PM | | | | | | |
| Lab ID: | 2006158-008 | Matrix: SOIL | | | | 3/2020 9:15:00 AM | | | |
| Analyses | 3 | Result | RL | Qual Units | DF | Date Analyzed | Batch | | |
| EPA ME | THOD 300.0: ANIONS | | | | | Analyst | ЈМТ | | |
| Chloride | | ND | 60 | mg/Kg | 20 | 6/11/2020 12:54:00 PM | 53020 | | |
| EPA ME | THOD 8015D MOD: GASOLI | NE RANGE | | | | Analyst | DJF | | |
| Gasolin | e Range Organics (GRO) | ND | 4.7 | mg/Kg | 1 | 6/6/2020 4:02:16 PM | 52871 | | |
| Surr: | BFB | 102 | 70-130 | %Rec | 1 | 6/6/2020 4:02:16 PM | 52871 | | |
| EPA ME | THOD 8015M/D: DIESEL RA | NGE ORGANICS | | | | Analyst | BRM | | |
| Diesel F | ange Organics (DRO) | ND | 9.7 | mg/Kg | 1 | 6/6/2020 9:58:40 AM | 52911 | | |
| Motor O | il Range Organics (MRO) | ND | 49 | mg/Kg | 1 | 6/6/2020 9:58:40 AM | 52911 | | |
| Surr: | DNOP | 126 | 55.1-146 | %Rec | 1 | 6/6/2020 9:58:40 AM | 52911 | | |
| EPA ME | THOD 8260B: VOLATILES S | HORT LIST | | | | Analyst | DJF | | |
| Benzen | 9 | ND | 0.023 | mg/Kg | 1 | 6/6/2020 4:02:16 PM | 52871 | | |
| Toluene | | ND | 0.047 | mg/Kg | 1 | 6/6/2020 4:02:16 PM | 52871 | | |
| Ethylber | nzene | ND | 0.047 | mg/Kg | 1 | 6/6/2020 4:02:16 PM | 52871 | | |
| Xylenes | , Total | ND | 0.094 | mg/Kg | 1 | 6/6/2020 4:02:16 PM | 52871 | | |
| Surr: | 1,2-Dichloroethane-d4 | 95.9 | 70-130 | %Rec | 1 | 6/6/2020 4:02:16 PM | 52871 | | |
| Surr: | 4-Bromofluorobenzene | 97.7 | 70-130 | %Rec | 1 | 6/6/2020 4:02:16 PM | 52871 | | |
| Surr: | Dibromofluoromethane | 95.9 | 70-130 | %Rec | 1 | 6/6/2020 4:02:16 PM | 52871 | | |
| Surr: | Toluene-d8 | 108 | 70-130 | %Rec | 1 | 6/6/2020 4:02:16 PM | 52871 | | |

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

Page 8 of 0

Date Reported:

| | | | Date Reported. | | | | | | | |
|---|--------------------------|--------------|--------------------------------------|--------------------------------------|----|----------------------|-------|--|--|--|
| CLIENT: Safety & Environmental Solutions | | | | Client Sample ID: TT-12-V 2' | | | | | | |
| Project: | Devon Thistle 44H 208118 | 57 | (| Collection Date: 6/1/2020 1:00:00 PM | | | | | | |
| Lab ID: | 2006158-009 | Matrix: SOIL | L Received Date: 6/3/2020 9:15:00 AM | | | | | | | |
| Analyses | 5 | Result | RL | Qual Units | DF | Date Analyzed | Batch | | | |
| EPA ME | THOD 300.0: ANIONS | | | | | Analyst | : JMT | | | |
| Chloride | | ND | 61 | mg/Kg | 20 | 6/11/2020 1:06:00 PM | 53020 | | | |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | | Analyst | DJF | | | |
| Gasoline Range Organics (GRO) | | ND | 4.7 | mg/Kg | 1 | 6/6/2020 4:32:12 PM | 52871 | | | |
| Surr: BFB | | 106 | 70-130 | %Rec | 1 | 6/6/2020 4:32:12 PM | 52871 | | | |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | Analyst | BRM | | | |
| Diesel R | Range Organics (DRO) | ND | 9.7 | mg/Kg | 1 | 6/6/2020 10:22:49 AM | 52911 | | | |
| Motor Oil Range Organics (MRO) | | ND | 49 | mg/Kg | 1 | 6/6/2020 10:22:49 AM | 52911 | | | |
| Surr: DNOP | | 101 | 55.1-146 | %Rec | 1 | 6/6/2020 10:22:49 AM | 52911 | | | |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | Analyst | DJF | | | |
| Benzene | e | ND | 0.023 | mg/Kg | 1 | 6/6/2020 4:32:12 PM | 52871 | | | |
| Toluene | | ND | 0.047 | mg/Kg | 1 | 6/6/2020 4:32:12 PM | 52871 | | | |
| Ethylber | nzene | ND | 0.047 | mg/Kg | 1 | 6/6/2020 4:32:12 PM | 52871 | | | |
| Xylenes | , Total | ND | 0.094 | mg/Kg | 1 | 6/6/2020 4:32:12 PM | 52871 | | | |
| Surr: | 1,2-Dichloroethane-d4 | 102 | 70-130 | %Rec | 1 | 6/6/2020 4:32:12 PM | 52871 | | | |
| Surr: | 4-Bromofluorobenzene | 100 | 70-130 | %Rec | 1 | 6/6/2020 4:32:12 PM | 52871 | | | |
| Surr: | Dibromofluoromethane | 98.6 | 70-130 | %Rec | 1 | 6/6/2020 4:32:12 PM | 52871 | | | |
| Surr: | Toluene-d8 | 110 | 70-130 | %Rec | 1 | 6/6/2020 4:32:12 PM | 52871 | | | |
| | | | | | | | | | | |

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

Page 9 of 0



May 11, 2020

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

RE: Devon Thistle 44H

OrderNo.: 2005118

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Dave Boyer:

Hall Environmental Analysis Laboratory received 22 sample(s) on 5/5/2020 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

| Hall Er | • | Analytical Report Lab Order 2005118 Date Reported: 5/11/2020 | | | | | | | |
|--|-------------------|--|------------------------------------|---|----|---------------------|---------|--|--|
| CLIENT: Safety & Environmental Solutions Project: Devon Thistle 44H | | | | Client Sample ID: AH- 14 Surface North Wall Collection Date: 4/24/2020 10:00:00 AM | | | | | |
| Lab ID: | 2005118-001 | Matrix: SOIL | Received Date: 5/5/2020 8:59:00 AM | | | | | | |
| Analyses | | Result | RL Qu | al Units | DF | Date Analyzed | Batch | | |
| EPA MET | HOD 300.0: ANIONS | | | | | Analy | st: MRA | | |
| Chloride | | ND | 60 | mg/Kg | 20 | 5/7/2020 6:29:03 PM | 52330 | | |

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

Page 1 of 23

| Hall Er | nvironmental Anal | ysis Laboratory, Inc | • | | | Analytical Report Lab Order 2005118 Date Reported: 5/11/2 | :020 |
|---------------------|--|----------------------|------|-----------|----------------------------------|---|---------|
| CLIENT: Project: | Safety & Environmental So Devon Thistle 44H | olutions | | - | | H- 14 1' North Wall 24/2020 10:10:00 AN | |
| Lab ID: | 2005118-002 | Matrix: SOIL | 001 | | Date: 5/5/2020 8:59:00 AM | | |
| Analyses | | Result | RL Q | ual Units | DF | Date Analyzed | Batch |
| EPA MET | HOD 300.0: ANIONS | | | | | Analys | st: MRA |
| Chloride | | ND | 60 | mg/Kg | 20 | 5/7/2020 8:57:59 PM | 52340 |

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

Page 2 of 23

| Hall Er | vironmental Analy | ysis Laboratory, Inc | • | | | Analytical Report Lab Order 2005118 Date Reported: 5/11/2 | 2020 |
|----------|---------------------------|----------------------|--------|--------------------|---------------|---|---------|
| CLIENT: | Safety & Environmental So | lutions | Client | Sample II | D: AF | I- 15 Surface North | Wall |
| Project: | Devon Thistle 44H | | Colle | 4/2020 10:15:00 AN | 1 | | |
| Lab ID: | 2005118-003 | Matrix: SOIL | Rec | eived Dat | e: 5/5 | 5/2020 8:59:00 AM | |
| Analyses | | Result | RL Qu | al Units | DF | Date Analyzed | Batch |
| EPA MET | HOD 300.0: ANIONS | | | | | Analy | st: MRA |
| Chloride | | 220 | 60 | mg/Kg | 20 | 5/7/2020 10:00:00 PM | 1 52340 |

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

Page 3 of 23

| Hall Er | vironmental Anal | ysis Laboratory, Inc | • | | | Analytical Report Lab Order 2005118 Date Reported: 5/11/2 | 020 |
|-----------------|---------------------------|----------------------|--------|-------------|--------|---|---------|
| CLIENT: | Safety & Environmental So | olutions | Client | Sample II |): AF | I- 15 1' North Wall | |
| Project: | Devon Thistle 44H | | Coll | ection Date | e: 4/2 | 4/2020 10:25:00 AM | 1 |
| Lab ID: | 2005118-004 | Matrix: SOIL | Rec | ceived Date | e: 5/5 | 5/2020 8:59:00 AM | |
| Analyses | | Result | RL Qu | al Units | DF | Date Analyzed | Batch |
| EPA MET | HOD 300.0: ANIONS | | | | | Analy | st: MRA |
| Chloride | | ND | 60 | mg/Kg | 20 | 5/7/2020 10:37:14 PM | 1 52340 |

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

Page 4 of 23

| Hall Er | vironmental Anal | ysis Laboratory, Inc | • | | | Analytical Report Lab Order 2005118 Date Reported: 5/11/2 | 2020 |
|---------------------|--|----------------------|-------|-------------|--------|---|---------|
| CLIENT: Project: | Safety & Environmental Sc Devon Thistle 44H | olutions | | - | | I- 16 Surface North \ 4/2020 10:30:00 AN | |
| Lab ID: | 2005118-005 | Matrix: SOIL | Re | ceived Date | e: 5/5 | /2020 8:59:00 AM | |
| Analyses | | Result | RL Qu | ual Units | DF | Date Analyzed | Batch |
| EPA MET | HOD 300.0: ANIONS | | | | | Analy | st: MRA |
| Chloride | | 260 | 60 | mg/Kg | 20 | 5/7/2020 10:49:38 PM | 1 52340 |

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

Page 5 of 23

| Hall Er | vironmental Analy | ysis Laboratory, Inc | • | | | Analytical Report Lab Order 2005118 Date Reported: 5/11/2 | 020 |
|----------|---------------------------|----------------------|--------|-------------|--------|---|---------|
| CLIENT: | Safety & Environmental So | lutions | Client | Sample II |): AF | I- 16 1' North Wall | |
| Project: | Devon Thistle 44H | | Coll | ection Date | e: 4/2 | 24/2020 10:45:00 AM | 1 |
| Lab ID: | 2005118-006 | Matrix: SOIL | Rec | ceived Date | e: 5/5 | 5/2020 8:59:00 AM | |
| Analyses | | Result | RL Qu | al Units | DF | Date Analyzed | Batch |
| EPA MET | HOD 300.0: ANIONS | | | | | Analy | st: MRA |
| Chloride | | ND | 60 | mg/Kg | 20 | 5/7/2020 11:02:03 PM | 1 52340 |

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

Page 6 of 23

| Hall Er | vironmental Analy | ysis Laboratory, Inc | • | | | Analytical Report Lab Order 2005118 Date Reported: 5/11/2 | 2020 |
|---------------------|--|----------------------|---|-----------|----|---|----------|
| CLIENT: Project: | Safety & Environmental So Devon Thistle 44H | lutions | | - | | I- 17 Surface North ` 24/2020 10:55:00 AN | |
| Lab ID: | 2005118-007 | Matrix: SOIL | Received Date: 5/5/2020 8:59:00 AM | | | | |
| Analyses | | Result | RL Qu | ıal Units | DF | Date Analyzed | Batch |
| EPA MET | HOD 300.0: ANIONS | | | | | Analy | rst: MRA |
| Chloride | | 61 | 60 | mg/Kg | 20 | 5/7/2020 11:14:28 PM | A 52340 |

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

Page 7 of 23

| Hall Er | vironmental Analy | ysis Laboratory, Inc | • | | | Analytical Report Lab Order 2005118 Date Reported: 5/11/2 | 020 |
|----------|---------------------------|----------------------|-------|--------------|--------|---|---------|
| CLIENT: | Safety & Environmental So | lutions | Clien | t Sample II |): AF | I-171' North Wall | |
| Project: | Devon Thistle 44H | | Coll | lection Date | e: 4/2 | 4/2020 11:00:00 AM | 1 |
| Lab ID: | 2005118-008 | Matrix: SOIL | Re | ceived Date | e: 5/5 | 5/2020 8:59:00 AM | |
| Analyses | | Result | RL Qu | ual Units | DF | Date Analyzed | Batch |
| EPA MET | HOD 300.0: ANIONS | | | | | Analy | st: MRA |
| Chloride | | 180 | 60 | mg/Kg | 20 | 5/7/2020 11:26:53 PM | 1 52340 |

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

Page 8 of 23

| Hall Er | vironmental Analy | ysis Laboratory, Inc | • | | | Analytical Report Lab Order 2005118 Date Reported: 5/11/2 | 2020 |
|---------------------|--|----------------------|-------|------------|--------|---|---------|
| CLIENT: Project: | Safety & Environmental So Devon Thistle 44H | lutions | | - | | I- 18 Surface South \ 4/2020 11:10:00 AN | |
| Lab ID: | 2005118-009 | Matrix: SOIL | Rec | ceived Dat | e: 5/5 | /2020 8:59:00 AM | |
| Analyses | | Result | RL Qu | al Units | DF | Date Analyzed | Batch |
| EPA MET | HOD 300.0: ANIONS | | | | | Analy | st: MRA |
| Chloride | | ND | 60 | mg/Kg | 20 | 5/8/2020 12:04:06 AN | 1 52340 |

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

Page 9 of 23

| Hall Er | vironmental Analy | ysis Laboratory, Inc | • | | | Analytical Report Lab Order 2005118 Date Reported: 5/11/2 | 020 |
|-----------------|---------------------------|----------------------|--------|-------------|--------|---|---------|
| CLIENT: | Safety & Environmental So | lutions | Client | t Sample II |): AF | I-181' South wall | |
| Project: | Devon Thistle 44H | | Coll | ection Date | e: 4/2 | 4/2020 11:20:00 AM | 1 |
| Lab ID: | 2005118-010 | Matrix: SOIL | Re | ceived Date | e: 5/5 | 5/2020 8:59:00 AM | |
| Analyses | | Result | RL Qu | al Units | DF | Date Analyzed | Batch |
| EPA MET | HOD 300.0: ANIONS | | | | | Analy | st: MRA |
| Chloride | | ND | 60 | mg/Kg | 20 | 5/8/2020 12:16:31 AM | 1 52340 |

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

Page 10 of 23

| Hall Er | vironmental Anal | ysis Laboratory, Inc | • | | | Analytical Report Lab Order 2005118 Date Reported: 5/11/2 | .020 |
|---------------------|----------------------------------|----------------------|-------|----------|----|---|---------|
| | Safety & Environmental So | olutions | | - | | I- 19 Surface South V | |
| Project: Lab ID: | Devon Thistle 44H 2005118-011 | Matrix: SOIL | 0011 | | | 4/2020 11:25:00 AM 7/2020 8:59:00 AM | 1 |
| Analyses | | Result | RL Qu | al Units | DF | Date Analyzed | Batch |
| EPA MET | HOD 300.0: ANIONS | | | | | Analy | st: MRA |
| Chloride | | 440 | 60 | mg/Kg | 20 | 5/8/2020 12:28:55 AM | 1 52340 |

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

Page 11 of 23

| Hall Er | vironmental Analy | ysis Laboratory, Inc | • | | | Analytical Report Lab Order 2005118 Date Reported: 5/11/2 | 020 |
|----------|---------------------------|----------------------|--|-------------|-------|---|---------|
| CLIENT: | Safety & Environmental So | olutions | Clien | t Sample II |): AF | I- 19 1' South Wall | |
| Project: | Devon Thistle 44H | | Collection Date: 4/24/2020 11:35:00 AM Received Date: 5/5/2020 8:59:00 AM | | | | |
| Lab ID: | 2005118-012 | Matrix: SOIL | | | | | |
| Analyses | | Result | RL Qu | ial Units | DF | Date Analyzed | Batch |
| EPA MET | HOD 300.0: ANIONS | | | | | Analy | st: MRA |
| Chloride | | 180 | 59 | mg/Kg | 20 | 5/8/2020 12:41:20 AM | 52340 |

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

Page 12 of 23

| Hall E | nvironmental Anal | ysis Laboratory, Inc | • | | | Analytical Report Lab Order 2005118 Date Reported: 5/11/2 | 2020 |
|----------|---------------------------|----------------------|---------------------|-------------|--------|---|---------|
| CLIENT: | Safety & Environmental So | olutions | Clien | t Sample II | D: AI | H- 20 Surface South | Wall |
| Project: | | Coll | 24/2020 11:40:00 AM | 1 | | | |
| Lab ID: | 2005118-013 | Matrix: SOIL | Re | ceived Dat | e: 5/5 | 5/2020 8:59:00 AM | |
| Analyses | | Result | RL Qu | ual Units | DF | Date Analyzed | Batch |
| EPA ME | THOD 300.0: ANIONS | | | | | Analy | st: MRA |
| Chloride | | 440 | 60 | mg/Kg | 20 | 5/8/2020 12:53:44 AM | / 52340 |

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

Page 13 of 23

| Hall Er | vironmental Anal | ysis Laboratory, Inc | • | | | Analytical Report Lab Order 2005118 Date Reported: 5/11/2 | 020 | | | | |
|----------------------------|-------------------------------|----------------------|------------------------------------|--|-------|---|---------|--|--|--|--|
| CLIENT: | Safety & Environmental Second | olutions | Clier | nt Sample II |): AF | I- 20 1' South Wall | | | | | |
| Project: Devon Thistle 44H | | | | Collection Date: 4/24/2020 11:55:00 AM | | | | | | | |
| Lab ID: | 2005118-014 | Matrix: SOIL | Received Date: 5/5/2020 8:59:00 AM | | | | | | | | |
| Analyses | | Result | RL Q | Qual Units | DF | Date Analyzed | Batch | | | | |
| EPA MET | HOD 300.0: ANIONS | | | | | Analys | st: MRA | | | | |
| Chloride | | 170 | 60 | mg/Kg | 20 | 5/8/2020 1:06:08 AM | 52340 | | | | |

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

Page 14 of 23

| Hall Er | vironmental Analy | ysis Laboratory, Inc | ∕● | | | Analytical Report Lab Order 2005118 Date Reported: 5/11/2 | 2020 | | | |
|----------|---------------------------|----------------------|--|--------------|--------|---|---------|--|--|--|
| CLIENT: | Safety & Environmental So | lutions | Clier | t Sample II |): AF | I- 21 Surface South | Wall | | | |
| Project: | Devon Thistle 44H | | Collection Date: 4/24/2020 12:05:00 PM | | | | | | | |
| Lab ID: | 2005118-015 | Matrix: SOIL | R | eceived Date | e: 5/5 | 5/2020 8:59:00 AM | | | | |
| Analyses | | Result | RL Q | ual Units | DF | Date Analyzed | Batch | | | |
| EPA MET | HOD 300.0: ANIONS | | | | | Analy | st: MRA | | | |
| Chloride | | 60 | 60 | mg/Kg | 20 | 5/8/2020 1:18:33 AM | 52340 | | | |

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

Page 15 of 23

| Hall Er | nvironmental Anal | ysis Laboratory, Inc | • | | | Analytical Report Lab Order 2005118 Date Reported: 5/11/20 | 020 |
|---------------------|--|----------------------|------------------------------------|----------|----|--|--------|
| CLIENT: Project: | Safety & Environmental So Devon Thistle 44H | olutions | | - | | H- 21 1' South Wall 4/2020 12:10:00 PM | |
| Lab ID: | 2005118-016 | Matrix: SOIL | Received Date: 5/5/2020 8:59:00 AM | | | | |
| Analyses | | Result | RL Qu | al Units | DF | Date Analyzed | Batch |
| EPA MET | HOD 300.0: ANIONS | | | | | Analys | t: MRA |
| Chloride | | 180 | 60 | mg/Kg | 20 | 5/8/2020 1:30:57 AM | 52340 |

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

Page 16 of 23

| Hall Er | vironmental Analy | ysis Laboratory, Inc | • | | | Analytical Report Lab Order 2005118 Date Reported: 5/11/2 | 2020 |
|---------------------|--|----------------------|---|----------|----|---|---------|
| CLIENT: Project: | Safety & Environmental So Devon Thistle 44H | lutions | | - | | I- 22 Surface West V 24/2020 12:20:00 PN | |
| Lab ID: | 2005118-017 | Matrix: SOIL | Received Date: 5/5/2020 8:59:00 AM | | | | |
| Analyses | | Result | RL Qu | al Units | DF | Date Analyzed | Batch |
| EPA MET | HOD 300.0: ANIONS | | | | | Analy | st: MRA |
| Chloride | | 440 | 60 | mg/Kg | 20 | 5/8/2020 1:43:22 AM | 52340 |

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

Page 17 of 23

| Hall Er | vironmental Anal | ysis Laboratory, Inc | | | | Analytical Report Lab Order 2005118 Date Reported: 5/11/2 | 020 | | | | |
|----------------------------|--------------------------|----------------------|------------------------------------|--|-------|---|---------|--|--|--|--|
| CLIENT: | Safety & Environmental S | olutions | Clier | nt Sample II |): AH | I- 22 1' West Wall | | | | | |
| Project: Devon Thistle 44H | | | | Collection Date: 4/24/2020 12:35:00 PM | | | | | | | |
| Lab ID: | 2005118-018 | Matrix: SOIL | Received Date: 5/5/2020 8:59:00 AM | | | | | | | | |
| Analyses | | Result | RL Q | ual Units | DF | Date Analyzed | Batch | | | | |
| EPA MET | HOD 300.0: ANIONS | | | | | Analys | st: MRA | | | | |
| Chloride | | ND | 60 | mg/Kg | 20 | 5/8/2020 1:55:47 AM | 52340 | | | | |

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

Page 18 of 23

| Hall Eı | nvironmental Anal | ysis Laboratory, Inc | | | | Analytical Report Lab Order 2005118 Date Reported: 5/11/2 | 020 | | |
|----------|--------------------------|----------------------|--------|-------------|---------------------------|---|----------------|--|--|
| CLIENT: | Safety & Environmental S | olutions | Client | t Sample II | D: AF | H- 23 Surface North V | Vall | | |
| Project: | Devon Thistle 44H | | Coll | ection Dat | e: 4/2 | 24/2020 12:40:00 PM | | | |
| Lab ID: | 2005118-019 | Matrix: SOIL | Re | ceived Dat | Date: 5/5/2020 8:59:00 AM | | | | |
| Analyses | | Result | RL Qu | al Units | DF | Date Analyzed | Batch | | |
| EPA MET | HOD 300.0: ANIONS | | | | | Analys | st: JMT | | |
| Chloride | | ND | 59 | mg/Kg | 20 | 5/8/2020 1:33:51 PM | 52349 | | |

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

Page 19 of 23

| Hall Er | vironmental Anal | ysis Laboratory, Inc | • | | | Analytical Report Lab Order 2005118 Date Reported: 5/11/2 | 020 | | | | |
|-----------------------------------|---------------------------|----------------------|------|--|--------|---|----------------|--|--|--|--|
| CLIENT: | Safety & Environmental So | olutions | Clie | nt Sample II |): AF | I- 23 1' North Wall | | | | | |
| Project: Devon Thistle 44H | | | | Collection Date: 4/24/2020 12:55:00 PM | | | | | | | |
| Lab ID: | 2005118-020 | Matrix: SOIL | R | eceived Date | e: 5/5 | 5/2020 8:59:00 AM | | | | | |
| Analyses | | Result | RL Ç | Qual Units | DF | Date Analyzed | Batch | | | | |
| EPA MET | HOD 300.0: ANIONS | | | | | Analys | st: JMT | | | | |
| Chloride | | 190 | 60 | mg/Kg | 20 | 5/8/2020 2:10:53 PM | 52349 | | | | |

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

Page 20 of 23

| Hall Er | vironmental Anal | ysis Laboratory, Inc | • | | | Analytical Report Lab Order 2005118 Date Reported: 5/11/20 | 020 | |
|----------|--------------------------|----------------------|--------|------------------------------------|---------------|--|--------|--|
| CLIENT: | Safety & Environmental S | olutions | Client | t Sample II | D: AF | I- 24 Surface B/G | | |
| Project: | Devon Thistle 44H | | Coll | ection Dat | e: 4/2 | 24/2020 2:30:00 PM | | |
| Lab ID: | 2005118-021 | Matrix: SOIL | Re | Received Date: 5/5/2020 8:59:00 AM | | | | |
| Analyses | | Result | RL Qu | al Units | DF | Date Analyzed | Batch | |
| EPA MET | HOD 300.0: ANIONS | | | | | Analys | t: JMT | |
| Chloride | | ND | 60 | mg/Kg | 20 | 5/8/2020 2:23:14 PM | 52349 | |

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

Page 21 of 23

| Hall Ei | nvironmental Analy | ysis Laboratory, Inc | 2. | | | Analytical Report Lab Order 2005118 Date Reported: 5/11/20 | 020 |
|----------|---------------------------|----------------------|-------|-------------|---------------|--|----------------|
| CLIENT: | Safety & Environmental So | olutions | Clien | t Sample II | D: AH | I- 24 1' B/G | |
| Project: | Devon Thistle 44H | | Col | lection Dat | e: 4/2 | 4/2020 2:35:00 PM | |
| Lab ID: | 2005118-022 | Matrix: SOIL | Re | ceived Dat | e: 5/5 | /2020 8:59:00 AM | |
| Analyses | | Result | RL Qu | ual Units | DF | Date Analyzed | Batch |
| EPA MET | HOD 300.0: ANIONS | | | | | Analys | st: JMT |
| Chloride | | ND | 60 | mg/Kg | 20 | 5/8/2020 2:35:35 PM | 52349 |

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

Page 22 of 23

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| Client: Project: | • | Environmental S nistle 44H | olutions | | | | | | | |
|---------------------|-----------|-------------------------------|-----------|-------------|-----------------|-----------|--------------|------|----------|------|
| Sample ID: | MB-52330 | SampType: n | blk | Tes | tCode: EP | PA Method | 300.0: Anion | s | | |
| Client ID: | PBS | Batch ID: 5 | 2330 | F | unNo: 68 | 3738 | | | | |
| Prep Date: | 5/7/2020 | Analysis Date: | 5/7/2020 | S | eqNo: 23 | 378180 | Units: mg/K | g | | |
| Analyte | | Result PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | | ND 1.5 | 5 | | | | | | | |
| Sample ID: | LCS-52330 | SampType: Id | s | Tes | tCode: EF | PA Method | 300.0: Anion | s | | |
| Client ID: | LCSS | Batch ID: 5 | 2330 | F | unNo: 68 | 3738 | | | | |
| Prep Date: | 5/7/2020 | Analysis Date: | 5/7/2020 | S | eqNo: 23 | 378181 | Units: mg/K | g | | |
| Analyte | | Result PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | | 14 1.5 | 5 15.00 | 0 | 90.7 | 90 | 110 | | | |
| Sample ID: | MB-52340 | SampType: n | blk | Tes | tCode: EP | PA Method | 300.0: Anion | s | | |
| Client ID: | PBS | Batch ID: 5 | 2340 | F | unNo: 68 | 3738 | | | | |
| Prep Date: | 5/7/2020 | Analysis Date: | 5/7/2020 | S | eqNo: 23 | 378215 | Units: mg/K | g | | |
| Analyte | | Result PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | | ND 1.5 | 5 | | | | | | | |
| Sample ID: | LCS-52340 | SampType: Io | s | Tes | tCode: EP | PA Method | 300.0: Anion | s | | |
| Client ID: | LCSS | Batch ID: 5 | 2340 | F | lunNo: 68 | 3738 | | | | |
| Prep Date: | 5/7/2020 | Analysis Date: | 5/7/2020 | S | eqNo: 23 | 378216 | Units: mg/K | g | | |
| Analyte | | Result PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | | 14 1.5 | 5 15.00 | 0 | 94.7 | 90 | 110 | | | |
| Sample ID: | MB-52349 | SampType: n | blk | Tes | tCode: EP | PA Method | 300.0: Anion | s | | |
| Client ID: | PBS | Batch ID: 5 | 2349 | F | lunNo: 68 | 3767 | | | | |
| Prep Date: | 5/8/2020 | Analysis Date: | 5/8/2020 | S | eqNo: 23 | 379373 | Units: mg/K | g | | |
| Analyte | | Result PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | | ND 1.5 | 5 | | | | | | | |
| Sample ID: | LCS-52349 | SampType: Io | s | Tes | tCode: EP | PA Method | 300.0: Anion | s | | |
| Client ID: | LCSS | Batch ID: 5 | 2349 | F | unNo: 68 | 3767 | | | | |
| Prep Date: | 5/8/2020 | Analysis Date: | 5/8/2020 | S | eqNo: 23 | 379374 | Units: mg/K | g | | |
| Analyte | | Result PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | | 14 1.5 | | 0 | 93.0 | 90 | 110 | | | |

Qualifiers:

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

2005118

11-May-20

WO#:

| HALL ENVIRONMENTAL ANALYSIS LABORATORY | Hall Environmental Alb. TEL: 505-345-3975 Website: www.ha | 490 uquero FAX: | 01 Hawki jue. NM 4 505-345 | ns NE 87109 -4107 | Sar | nple Log-In C | Check List |
|---|--|-----------------------|----------------------------------|-------------------------|-----|----------------------------|-------------------------|
| Client Name: Safety Env Solutions | Work Order Number | : 200 | 5118 | | | RcptNo | 1 |
| Received By: Emily Mocho | 5/5/2020 8:59:00 AM | | | | | | |
| Completed By: Desiree Dominguez | 5/5/2020 10:16:24 AM | | | TP | 2 | | |
| Reviewed By: | 5/5/20 | | | C 1 | 4 | | |
| Chain of Custody | | | | | | | |
| 1. Is Chain of Custody sufficiently comple | e? | Yes | ~ | No | | Not Present | |
| 2. How was the sample delivered? | | Cou | rier | | | | |
| Log In | | | | | | | |
| 3. Was an attempt made to cool the samp | les? | Yes | | No | | NA 🗌 | |
| 4. Were all samples received at a tempera | ture of >0° C to 6.0°C | Yes | • | No | | NA 🗌 | |
| 5. Sample(s) in proper container(s)? | | Yes | ~ | No | | | |
| 6. Sufficient sample volume for indicated to | est(s)? | Yes | ~ | No | | | |
| 7. Are samples (except VOA and ONG) pro | operly preserved? | Yes | ~ | No | | | |
| 8. Was preservative added to bottles? | | Yes | | No | | | |
| 9. Received at least 1 vial with headspace | <1/4" for AQ VOA? | Yes | | No | | NA 🔽 | $\overline{\mathbf{D}}$ |
| 10. Were any sample containers received b | roken? | Yes | | No | 2 | # of preserved | FILT |
| 11. Does paperwork match bottle labels? | | Yes | | No | | bottles checked for pH: | 515100 |
| (Note discrepancies on chain of custody |) | 103 | | 110 | _ | | >12 unless noted) |
| 2. Are matrices correctly identified on Chai | n of Custody? | Yes | ~ | No | | Adjusted? | |
| Is it clear what analyses were requested | ? | Yes | | No | | | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | | Yes | | No | | Checked by: | |
| Special Handling (if applicable) | | | | | | | |
| 15. Was client notified of all discrepancies | with this order? | Yes | | No | | NA 🔽 | |
| Person Notified: | Date: | | | | | | |
| By Whom: | Via: | eM | ail 🔲 | Phone | Fax | In Person | |
| Regarding: | | - | | | | | |
| Client Instructions: | | | | | | | |
| 16. Additional remarks: | | | | | | | |
| 17. Cooler Information | | | | | | | |
| Cooler No Temp °C Condition | Seal Intact Seal No S | Seal D | ate | Signed | By | | |

| Received by OCD: 6/12/2020 | :22:24 PM | | | | | | | | - | | | Pag | e 132 of 1 |
|--|---|--|-------|-------|-----------------|---------------|-------|-------------------|--------------|--|--------|------------------------|---|
| HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request | 0 or 8270SIMS als 20 or 8270SIMS | EDB (Method PAHs by 831 CI, F, Br, NC 8260 (VOA) 8270 (Semi-V | | | | | | | | | | "Suples are numbered D | Time: Relinquished by: J Received by: Via: Date Time HT-17 Converting to Leed |
| | E / ТМВ's (8021) 8RO / DRO / МRO) | | | | | | | | | | | Remarks: | t y |
| 1009 11 | No No | 9-0.1=1.8 (°C) HEAL NO. 2005118 | -001 | 200 - | - 004 | -005 | -006 | t001 | -000- | -010 | -012 | Date Time | 5 5 70 8:59 |
| d Time: | anager: | p(including cF): 1. C | ee | | | | | | | | | Via: | via: Courter |
| Turn-Around Time: | Project Manage | # of Coolers: 1 Cooler Temp(including cF): Container Preserva Type and # Type | ~ | | | 7 | | / | 1. | // | ~ | Received by: | Received by: |
| Chain-of-Custody Record Sulta & Grubun wull alater & Grubun wull address: 1703 6. Cluntar Address: 1703 6. Cluntar Address: 1703 6. Cluntar | □ Level 4 (Full Validation) □ Az Compliance □ Other | Sample N | 202 | Gr. | Alt-15 National | WHILE Service | 6 CAR | 13月2 (11) 11-11 ~ | 277 ES 81-41 | 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1- | 中191-1 | Relinedushed by: | Relinquished by: |
| Client: Client | ax#: kage: d on: | EUU (1ype) | 1000 | 1010 | 1015 | (030 | 512 | Ne0 55 | 0111 | 1120 | 1135 | | Time: Relin |
| Client: C | Accreditati | Date | 04/24 | | \checkmark | | - | \uparrow | | - | 00124 | Date: | Date: |

| Analysis Request | X / MTBE / TMB's (8021) H:8015D(GRO / DRO / MRO) H:8015D(GRO / DRO / DRO / MRO)<!--</th--><th>0 83 0 85 0 85 0 85 0 85 0 85 0 85 0 85 0 85 0 85 0 85 0 85 0 85 0 85 0 85 0 85 0 85</th><th></th><th></th><th></th><th>Time: Relinquished by: Relinquished by: Time: Relinquished by: Time: Relinq</th> | 0 83 0 85 0 85 0 85 0 85 0 85 0 85 0 85 0 85 0 85 0 85 0 85 0 85 0 85 0 85 0 85 0 85 | | | | Time: Relinquished by: Relinquished by: Time: Relinquished by: Time: Relinq |
|--|---|--|------------------|--|-------------|--|
| Turn-Around Time: Standard Rush Project Name: Newson Thw'STL: 44 Project #: Project #: | Manager: Men R. R. Marine A. Marine C. Marine Marine C. Marine Disconvention | Type and # Type 2005118 - 013 | 1 - 016 - 010 | - 010 - 1 - 010 - 1 - 010 - 1 - 010 - 1 | 120- 120- 1 | Received by: Via: Date Time S/4/Zo Use Date Time Received by: Via: Date Time UKIM Cuurrier 5/5/20 8:59 |
| Client: Subt + Cultur Weed Turn Client: Subt + Cultur Weed Broje Subt + Cultur Weed Broje Mailing Address: 702 8: Cl. Wrow Mailing Address: 702 8: Cl. Wrow Phone #: 575-397 - 0510 | email or Fax#: Project M QA/OC Package: Standard □ Level 4 (Full Validation) Accreditation: □ Az Compliance Sampler: □ NELAC □ Other 00 lice: □ EDD (Type) # of Cool | Date Time Matrix Sample Name Type | S 44 21 (FX | S 14-23 55 | nn | Date: Time: Relindershed by: Sold Of woo Sold Sold Of woo Sold Date: Time: Relindershed by: Date: Time: Relindershed by: Date: Time: Relindershed by: Date: Time: Relindershed by: |

| From: | Bratcher, Mike, EMNRD |
|--------------|--|
| To: | Bynum, Tom (Contract); Venegas, Victoria, EMNRD; Hamlet, Robert, EMNRD; Billings, Bradford, EMNRD; |
| | <u>Griswold, Jim, EMNRD; Eads, Cristina, EMNRD; Marcus, Ramona, EMNRD</u> |
| Cc: | Robison, Jason; Davis, Amanda; Mathews, Wesley; Carrasco, Lupe; DeHoyos, Kendra; Bob Allen; Kathy Purvis |
| Subject: | RE: [EXTERNAL] RE: Rejection for work plan on incidents NRM2003159278 & NAB1905153070 |
| Date: | Tuesday, May 12, 2020 7:43:49 AM |
| Attachments: | Procedures For Implementation of the Spill Rule.pdf |

RE: Devon Thistle Unit 44H * 30-025-41032 * N-33-23s-33e Release 1 ID: nAB1905153070 * DOR: 02/05/2019 Release 2 ID: nRM2003159278* DOR: 11/24/2019

Mr. Bynum,

I would like to preface this response by saying, one of the Division's goals is to bring some much needed consistency to the entire remedial process. The idea is to allow industry to know what is expected for remedial projects and provide a road map for regulatory reviewers to follow during the review process. A proposal submitted to the state and reviewed by any regulatory reviewer in the state, should yield the same response.

This project encompasses two releases at this well site. The incident numbers and dates of release have been listed above.

• Please note both of these release incidents are currently in violation of 19.15.29.11 A.

This portion of the spill rule requires site characterization and a remediation proposal be submitted to the Division within 90 days of the discovery of the release, or site characterization with a closure report be submitted to the Division within 90 days of discovery of the release. The first release is well over one year out of compliance, with the second release almost 90 days past compliance requirements. Provisions are available to request extensions to these time frames, for good cause, but Devon chose not to exercise this option with either release.

Aside from the compliance issues, it is important to note here that a site characterization is required for either option chosen (site characterization with remediation proposal, or site characterization with closure report).

Site characterization includes horizontal definition of the impacted soil. Devon has proposed using "visual identification" to determine the horizontal extent of impact. This is not a method that the Division will accept for making this determination. This method is especially not adequate in this instance since there are two releases being investigated and one of them is over a year old. There is no indication in the proposal as to whether both releases followed the same flow path or not. If both releases followed the same flow path, and this flow path is what has been outlined in yellow on the drone image of the well site, based on this image, the Division requests Devon investigate the area directly adjacent to the tank battery on the east side. The staining visible in this area looks much the same as the area that has been outlined in yellow, and identified as the area of concern. Devon has also proposed determining horizontal characterization by comparing sample data from outside the visually identified area of impact, to sample data from inside the visually identified area of impact.

This method is also not acceptable for reasons including but not limited to, it's reliance on visual identification of the impact.

The acceptable method for determining horizontal extent is with data. Visual identification may be viable in estimating the release volume for initial reporting purposes, but for characterization, data will be required. To determine the horizontal extent, a "clean" sample is required. For the sake of consistency, the Division will consider a sample "clean" if it meets the more stringent requirements listed in Table 1. For chloride values, natural background levels will be considered. Also, for the initial horizontal characterization, these samples are typically obtained in upper portion of the soil profile. Side wall samples are utilized during the remediation phase of the project to insure adequate excavation has been performed, and, to insure horizontal definition has been defined at depth.

Mr. Allen has argued that delineation outside of the visually identified area of concern may lead to discovery of impacted materials not associated with the release being investigated. In the event this does occur, the responsible party is also responsible for remediation of these impacts. This is especially applicable here, since Devon has been the sole operator of this well site.

Depth to groundwater at this site has not been determined:

The remediation proposal contains one sentence in defining depth to groundwater. It states:

"Based on the trend map and the USGS web interface, depth to groundwater in this area is over 100 feet."

The proposal contains a screen shot of the Chevron/Texaco Trend Map and a USGS data sheet on one water well that is approximately 2.5 miles from the release site, to the north east. The distance to this water well from the release site should have been clearly stated in the proposal. It was not. The trend map (Chevron/Texaco 2004) is not an acceptable means for determining depth to groundwater. It is a tool that may have some value as a quick reference guide, however, the Division does not consider it factual evidence of depth to ground water. The Division also notes that there exists USGS and OSE data on water wells approximately 1.5 miles from the release site to the south east. This data indicates groundwater may be encountered at less than 50' from surface, with the potential to be less than 25' from surface. Why was this data not considered or at least referenced, since it is closer to the release site?

19.15.29.11 NMAC is the portion of the spill rule that requires site assessment/characterization. In regard to depth to ground water, if the exact depth to ground water is unknown, the responsible party must provide a reasonable determination of probable depth to ground water. The rule lists several methods to be utilized in making this determination, but the method used must be as approved by the appropriate division district office. The rule also requires the responsible party to identify all known water sources within one half mile of the release.

The Division would prefer to have some standardization, again for the sake of consistency, as to what is expected when determining depth to ground water. Industry will know what is expected and reviewers will know what to look for. This eliminates leaving this type decision up to each reviewer. If a single water well is going to be used to make this determination, the Division will require that well be within one half mile of the release, otherwise, an alternative method will be required. The

only way to make an exact determination in the event data is severely lacking, will be to advance an exploratory boring. The responsible party may choose to remediate to the more stringent levels listed in Table 1 in lieu of determining depth to groundwater.

This remediation proposal has been denied due to an incomplete characterization of impact, and an inadequate investigation into the potential depth to ground water at the release site.

This denial remains in effect. At this time, the Division requests that Devon resubmit a complete site characterization, along with either a remediation proposal, or a closure request, based on site characterization criteria, which includes a determination of the depth to ground water at this site. This submittal is due not later than thirty (30) days from the date of this correspondence.

Please review the applicable portions of 19.15.29 NMAC as well as OCD guidance document titled "Procedures for Implementation of the Spill Rule". Both documents are available on the OCD web site. I have attached the guidance document for convenience. Please see paragraph IX of this document regarding determining depth to ground water.

Devon's cooperation in this matter is greatly appreciated.

Best Regards,

Mike Bratcher NMOCD NM South 811 South First Street Artesia, NM 88210 575-748-1283 Ext 108 575-626-0857 Cell

Hobbs Office: 1625 North French Drive Hobbs NM 88240 575-393-6161

From: Bynum, Tom (Contract) <Tom.Bynum@dvn.com>

Sent: Friday, May 1, 2020 3:04 PM

To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Venegas, Victoria, EMNRD <Victoria.Venegas@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Griswold, Jim, EMNRD

Cc: Robison, Jason <Jason.Robison@dvn.com>; Davis, Amanda <Amanda.Davis@dvn.com>; Mathews, Wesley <Wesley.Mathews@dvn.com>; Carrasco, Lupe <Lupe.Carrasco@dvn.com>; DeHoyos, Kendra <Kendra.DeHoyos@dvn.com>; Bob Allen <ballen@sesi-nm.com>; Kathy Purvis <office2@sesi-nm.com>

Subject: [EXT] Re: [EXTERNAL] RE: Rejection for work plan on incidents NRM2003159278 & NAB1905153070

<Jim.Griswold@state.nm.us>; Eads, Cristina, EMNRD <Cristina.Eads@state.nm.us>; Marcus, Ramona, EMNRD <Ramona.Marcus@state.nm.us>

Mr. Bratcher,

Thanks to you and your team for your time and consideration, we look forward to the Division's response and guidance.

Thank you,

Tom Bynum 580-748-1613

From: Bratcher, Mike, EMNRD <<u>mike.bratcher@state.nm.us</u>>

Sent: Friday, May 1, 2020 2:58:28 PM

To: Bynum, Tom (Contract) <<u>Tom.Bynum@dvn.com</u>>; Venegas, Victoria, EMNRD <<u>Victoria.Venegas@state.nm.us</u>>; Hamlet, Robert, EMNRD <<u>Robert.Hamlet@state.nm.us</u>>; Billings, Bradford, EMNRD <<u>Bradford.Billings@state.nm.us</u>>; Griswold, Jim, EMNRD <<u>Jim.Griswold@state.nm.us</u>>; Eads, Cristina, EMNRD <<u>Cristina.Eads@state.nm.us</u>>; Marcus, Ramona, EMNRD <<u>Ramona.Marcus@state.nm.us</u>> Cc: Robison, Jason <<u>Jason.Robison@dvn.com</u>>; Davis, Amanda <<u>Amanda.Davis@dvn.com</u>>; Mathews, Wesley <<u>Wesley.Mathews@dvn.com</u>>; Carrasco, Lupe <<u>Lupe.Carrasco@dvn.com</u>>; DeHoyos, Kendra <<u>Kendra.DeHoyos@dvn.com</u>>; Bob Allen <<u>ballen@sesi-nm.com</u>>; Kathy Purvis <<u>office2@sesi-nm.com</u>>

Subject: [EXTERNAL] RE: Rejection for work plan on incidents NRM2003159278 & NAB1905153070

Mr. Bynum,

The Division will consider the issues Devon has presented and will be in touch once we have had time to evaluate the concerns Devon has expressed. I would not expect to have a determination until sometime next week at the earliest.

Devon's patience in this matter is greatly appreciated.

Best Regards,

Mike Bratcher NMOCD NM South 811 South First Street Artesia, NM 88210 575-748-1283 Ext 108 575-626-0857 Mobile

1625 North French Drive Hobbs, NM 88240 575-393-6161

AMERICA STRONG

From: Bynum, Tom (Contract) <<u>Tom.Bynum@dvn.com</u>>

Sent: Friday, May 1, 2020 12:30 PM

To: Venegas, Victoria, EMNRD <<u>Victoria.Venegas@state.nm.us</u>>; Hamlet, Robert, EMNRD <<u>Robert.Hamlet@state.nm.us</u>>; Billings, Bradford, EMNRD <<u>Bradford.Billings@state.nm.us</u>>; Bratcher, Mike, EMNRD <<u>mike.bratcher@state.nm.us</u>>; Griswold, Jim, EMNRD <<u>Jim.Griswold@state.nm.us</u>>; Eads, Cristina, EMNRD <<u>Cristina.Eads@state.nm.us</u>>; Marcus, Ramona, EMNRD <<u>Ramona.Marcus@state.nm.us</u>>

Cc: Robison, Jason <<u>Jason.Robison@dvn.com</u>>; Davis, Amanda <<u>Amanda.Davis@dvn.com</u>>; Mathews, Wesley <<u>Wesley.Mathews@dvn.com</u>>; Carrasco, Lupe <<u>Lupe.Carrasco@dvn.com</u>>; DeHoyos, Kendra <<u>Kendra.DeHoyos@dvn.com</u>>; Bob Allen <<u>ballen@sesi-nm.com</u>>; Kathy Purvis <<u>office2@sesi-nm.com</u>>

Subject: [EXT] Rejection for work plan on incidents NRM2003159278 & NAB1905153070

Dear Victoria,

After much discussion within our team and with our consulting firm, we would like to express a couple more concerns regarding the rejection of the remediation plan for the incidents on the Thistle Unit 44H. Incident #s are NRM2003159278 and NAB1905153070.

In the matter of the "depth to ground water determination:"

- <u>19.15.29.11</u> does not mention water wells no further than ½ mile from the site, and data no more than 25 years old, and providing well construction information. Devon strives to stay compliant with regulations, however, those are prescriptive protocols that are not listed in the regulation for the general public to follow. The consultant on this project used a reasonable determination based on published well data from the US Geological Service.
 Copied from your response in the previous email:
 - Please, see <u>19.15.29.11</u> SITE ASSESSMENT/CHARACTERIZATON: Depth to ground water. The responsible party must determine the depth to ground water where the release occurred. If the exact depth to ground water is unknown, the responsible party must provide a reasonable determination of probable ground water depth using data generated by numeric models, cathodic well lithology, water well data, published information or other tools as approved by the appropriate division district office. If the responsible party uses water well data, the responsible party must provide all pertinent well information.

If the OCD still does not agree with our initial determination, then we would like to utilize a method of "triangulation" in order to determine our depth to ground water in this case. We would do this by combining water well data from wells that surround this incident's location. This would provide more than a reasonable determination of the ground water depth in the area of these releases. Would the OCD agree with this method?

In the matter of "horizontal delineation:"

We're confused in the ambiguity of the recommended remediation action level for horizontal delineation. Horizontal and vertical delineation are specifically addressed in <u>19.15.29.11</u> (A)(5) (b) "the responsible party must delineate the release horizontally and vertically using Table I of <u>19.15.29.12 NMAC constituents</u>"... The remediation plan clearly shows vertical delineation on pad to less than 20,000 mg/kg however it does not indicate a clear sidewall sample. It is

hard to make the argument for approval without a sidewall sample however based on the citation the sample should meet the constraints of Table 1.

Copied from your response in the previous email:

Samples can be collected during the remediation process. In respect to horizontal delineation, it has not been completed. While vertical definition of contamination that may be acceptable is almost exclusively driven by depth to water, as determined, and as driven by Table I in the spill rule, horizontal definition if different. The edges (horizontal definition) of a liquid release must be determined as well. The only value for determination of horizontal impact are derived by either "background" value as determined appropriate to Rule 29, or, for chloride, 600 mg/Kg in soils. Therefore, horizontal soils delineation for chloride should be 600 mg/kg (again, or background) for all liquid releases, either on or off production pad. It is conceivable that in determining the horizontal extent of chloride that the edge of the production pad may be encountered, if last sample taken on pad limit, samples(s) must be obtained off pad to determine extent of release. If horizontal delineation samples on pad eventually reach a mechanical barrier, (such as pipeline or battery) sample(s) should be obtained as near as possible on the linear opposite side of said barrier and as close as possible to the barrier.

It is conceivable that a liquid release may occur with, for example, a surface soil chloride of 19,000 mg/Kg, and if it is reliably determined that groundwater is over 101 feet below ground surface, then that value may stand as a vertical definition, but nonetheless, the horizontal value(s) for lateral extent of liquid release would still, of Rule 29 necessity, be 600 mg/Kg chloride or less. This would be inclusive of both "on-pad" of "off-pad" release area. The above if laboratory data driven, not just reported visual extent of a liquid release or calculated and reported release volumes. As indicated in the spill rule, a scaled map with horizontal and vertical definition of actual laboratory values is required. Generally, the top one foot sample suffices for immediate horizontal evaluation and deeper contamination would likely be identified during actual remediation.

We would have no problem at all giving you the full horizontal delineation of these releases if we could be granted approval to start on the remediation. This would allow us to gather sidewall samples during the excavation process that would be the most accurate in obtaining the true horizontal extent of these releases. We are currently working on gathering more samples here for the purpose of having full delineation, as well as gathering a background sample or two to help us be as accurate as possible to what our closure criteria will be.

Thank you,

TOM BYNUM EHS CONTRACTOR 580-748-1613

Devon - Internal

Confidentiality Warning: This message and any attachments are only for the use of the intended

recipient(s), are confidential, and may be privileged. If you are not the intended recipient, you are hereby notified that any review, retransmission, conversion to hard copy, copying, circulation or other use of all or any portion of this message and any attachments is strictly prohibited. If you are not the intended recipient, please notify the sender immediately by return e-mail, and delete this message and any attachments from your system. This message was sent by a contractor of Devon Energy Corporation or one of its affiliate or subsidiaries ("Devon") and does not convey that contractor has the actual, implied, or apparent authority to contract on behalf of Devon. No agreement with Devon shall be of any force or effect unless it is signed by a duly authorized representative of Devon.

Confidentiality Warning: This message and any attachments are intended only for the use of the intended recipient(s), are confidential, and may be privileged. If you are not the intended recipient, you are hereby notified that any review, retransmission, conversion to hard copy, copying, circulation or other use of all or any portion of this message and any attachments is strictly prohibited. If you are not the intended recipient, please notify the sender immediately by return e-mail, and delete this message and any attachments from your system.

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 **Page 141 of 146** Form C-141

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

| Incident ID | nAB1905153070 |
|----------------|---------------|
| District RP | 1RP-5372 |
| Facility ID | |
| Application ID | pAB1905151532 |

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? | UNDETERMINED 124_(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.

| \boxtimes | Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. |
|-------------|--|
| | Field data |
| \boxtimes | Data table of soil contaminant concentration data |
| \boxtimes | Depth to water determination |
| \boxtimes | 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

| form ('- 121 | 6/12/2020 1:22:24 PM State of New Mexi | ico | | Page 142 oj |
|--|--|---|---|--|
| | | | Incident ID | nAB1905153070 |
| age 2 | Oil Conservation Div | /1S10n | District RP | 1RP-5372 |
| | | | Facility ID | |
| | | | Application ID | pAB1905151532 |
| olan. That plan mu nd methods, antici 9.15.29.12 NMAC I hereby certify that regulations all oper public health or the failed to adequately | ization report does not include completed effort ist include the estimated volume of material ipated timelines for beginning and completin C, however, use of the table is modified by si at the information given above is true and complet rators are required to report and/or file certain rele e environment. The acceptance of a C-141 report y investigate and remediate contamination that po | to be remediated, g the remediation. te- and release-spectrum te to the best of my lease notifications and by the OCD does no ose a threat to ground | the proposed remediation tech The closure criteria for a relevisite parameters. mowledge and understand that p d perform corrective actions for ot relieve the operator of liability water, surface water, human hea | hnique, proposed sampling pl ease are contained in Table 1 ursuant to OCD rules and releases which may endanger should their operations have |
| and/or regulations. | eptance of a C-141 report does not relieve the ope | erator of responsibili | ty for compliance with any other | r federal, state, or local laws |
| and/or regulations. Printed Name: | Tom Bynum | Title <u>:</u> | EHS Consultant | r federal, state, or local laws |
| and/or regulations. Printed Name: | | Title <u>:</u> | EHS Consultant | r federal, state, or local laws |
| and/or regulations. Printed Name <u>:</u> Signature: | Tom Bynum | Title <u>:</u> Date <u>:</u> | EHS Consultant | r federal, state, or local laws |
| and/or regulations. Printed Name: | Tom Bynum Tom Bynum | Title <u>:</u> Date <u>:</u> | <u>EHS Consultant</u> <u>6/12/2020</u> | r federal, state, |

Received by OCD: 6/12/2020 1:22:24 PM Form (121) State of New Mexico

Oil Conservation Division

<u>Remediation Plan Checklist</u>: Each of the following items must be included in the plan.

| Incident ID | nAB1905153070 |
|----------------|---------------|
| District RP | 1RP-5372 |
| Facility ID | |
| Application ID | pAB1905151532 |

Remediation Plan

Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points \bowtie Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation. Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction. Extents of contamination must be fully delineated. Contamination does not cause an imminent risk to human health, the environment, or groundwater. 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: Tom Bynum Title: EHS Consultant Signature: Tom Bynum Date: 6/12/2020 email: tom.bynum@dvn.com Telephone: 575-748-0176 OCD Only Received by: Date: Denied Approved Approved with Attached Conditions of Approval Deferral Approved Signature: Date:

Page 3

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 Page 144 of 146

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

| Incident ID | NRM2003159278 |
|----------------|---------------|
| 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? | UNDETERMINED 124 (ft bgs) |
|---|---|
| Did this release impact groundwater or surface water? | $\square \text{ Yes } \boxtimes \text{ No}$ |
| | |
| 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.

| \boxtimes | Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. |
|-------------|--|
| | Field data |
| \boxtimes | Data table of soil contaminant concentration data |
| \boxtimes | Depth to water determination |
| \boxtimes | 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/Aeriai ina | \leq | Topographic/Aerial | maj | 25 |
|--------------------------|--------|--------------------|-----|----|
|--------------------------|--------|--------------------|-----|----|

Laboratory data including chain of custody

| 0rm U-141 | 20 1:22:24 PM State of New M | exico | I I I | Page 145 of |
|--|--|---|--|--|
| age 2 | Oil Conservation | | Incident ID | NRM2003159278 |
| ige 2 | On Conservation | | District RP | |
| | | | Facility ID | |
| | | | Application ID | |
| an. That plan must include and methods, anticipated tin 9.15.29.12 NMAC, howev I hereby certify that the infor- regulations all operators are public health or the environ failed to adequately investig | eport does not include completed de the estimated volume of mate melines for beginning and compl ver, use of the table is modified b prmation given above is true and com required to report and/or file certair ment. The acceptance of a C-141 re gate and remediate contamination that of a C-141 report does not relieve the | rial to be remediated, the p eting the remediation. The y site- and release-specific plete to the best of my knowl release notifications and perf port by the OCD does not relia t pose a threat to groundwater | roposed remediation tech closure criteria for a rele parameters. edge and understand that pu orm corrective actions for re eve the operator of liability s , surface water, human heal | nique, proposed sampling pla ase are contained in Table 1 rsuant to OCD rules and eleases which may endanger should their operations have th or the environment. In |
| | n a C-141 report does not reneve un | e operator of responsibility for | compliance with any other | federal, state, or local laws |
| and/or regulations. Printed Name: To: | m Bynum | Title <u>: E</u> | HS Consultant | federal, state, or local laws |
| and/or regulations. Printed Name: To: | · | Title <u>: E</u> | HS Consultant | federal, state, or local laws |
| and/or regulations. Printed Name: To: Signature: | m Bynum | Title <u>: E</u> Date <u>: 6/1</u> | HS Consultant | federal, state, or local laws |
| and/or regulations. Printed Name: To: Signature: | m Bynum Tom Bynum | Title <u>: E</u> Date <u>: 6/1</u> | HS Consultant | federal, state, or local laws |
| and/or regulations. Printed Name <u>: To</u> Signature: email: OCD Only | m Bynum Tom Bynum | Title <u>: E</u> Date <u>: 6/1</u> Date | HS Consultant | federal, state, or local laws |

Received by OCD: 6/12/2020 1:22:24 PM Form C-141 State of New Mexico

Page 3

Oil Conservation Division

| Incident ID | NRM2003159278 |
|----------------|---------------|
| District RP | |
| Facility ID | |
| Application ID | |

Remediation Plan

Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC

Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

| Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation. | | | |
|--|--|--|--|
| Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction. | | | |
| Extents of contamination must be fully delineated. | | | |
| Contamination does not cause an imminent risk to human health, the environment, or groundwater. | | | |
| | | | |
| 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: Tom Bynum Title: EHS Consultant | | | |
| Signature: | | | |
| email: tom.bynum@dvn.com Telephone: 575-748-0176 | | | |
| OCD Only | | | |
| Beceived by: Date: | | | |
| Approved Approved with Attached Conditions of Approval Denied Deferral Approved | | | |
| Signature: Date: | | | |