District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

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

Release Notification

Responsible Party

| Responsible Party: Enterprise Field Services, LLC | OGRID: 241602 |
|---|--|
| Contact Name: Thomas Long | Contact Telephone: 505-599-2286 |
| Contact email:tjlong@eprod.com | Incident # (assigned by OCD): nAPP2110632433 |
| Contact mailing address: 614 Reilly Ave, Farmington, NM 87401 | |

Location of Release Source

Latitude 36.566719

Longitude -107.456677

(NAD 83 in decimal degrees to 5 decimal places)

| Site Name Lateral K-54 Condensate Tank Riser | Site Type Natural Gas Gathering Pipeline |
|--|--|
| Date Release Discovered: : 4/15/2021 | Serial Number (<i>if applicable</i>): N/A |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|------------|
| С | 22 | 27N | 6W | Rio Arriba |

Surface Owner: State Federal Tribal Private (Name: Scotty Cox

Nature and Volume of Release

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

| Crude Oil | Volume Released (bbls) | Volume Recovered (bbls) |
|------------------|--|---|
| Produced Water | Volume Released (bbls) | Volume Recovered (bbls) |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | Yes No |
| Condensate | Volume Released (bbls): 15-20 BBLS | Volume Recovered (bbls): None |
| 🛛 Natural Gas | Volume Released (Mcf): 1 MCF | Volume Recovered (Mcf): None |
| Other (describe) | Volume/Weight Released (provide units): | Volume/Weight Recovered (provide units) |

Cause of Release: On April 15, 2021, Enterprise had a release of natural gas and condensate from the Lateral K-54 Drip Tank Riser. The released fluids impacted an area of approximately three feet in diameter. No standing liquids. No washes/waterways were affected. No residences were affected. Remediation activities were completed on June 23, 2021. The final excavation dimensions measured approximately 63 feet long by 23 feet wide by 16 feet deep. Approximately 1,507 cubic yards of hydrocarbon impacted soil was excavated and transported to a New Mexico Oil Conservation Division (NMOCD) approved land farm. A third party closure report is included with this "Final." C-141.

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

Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report. A scaled site and sampling diagram as described in 19.15.29.11 NMAC Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) Description of remediation activities I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. Title: Senior Environmental Scientist Printed Name: Thomas Long
 Thomas Long
 Date:
 12-7-2021
 Signature: Telephone: (505) 599-2286_____ email: tjlong@eprod.com **OCD Only** Received by: Date: Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. Closure Approved by: Nelson Velez Date: 01/06/2022
Printed Name: ________ Title: Environmen Environmental Specialist - Adv

Closure Report Approved, Release Resolved.

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CLOSURE REPORT

Property:

Lateral K-54 Condensate Tank Riser (4/15/21) Unit Letter C, S22 T27N R6W Rio Arriba County, New Mexico

NM EMNRD OCD Incident ID No. NAPP2110632433

September 1, 2021 Ensolum Project No. 05A1226145

Prepared for:

Enterprise Field Services, LLC 614 Reilly Avenue Farmington, NM 87401 Attn: Mr. Thomas Long

Prepared by:

Chad D'Aponti Field Environmental Scientist

Ranee Deechilly Environmental Scientist

Ummo

Kyle Summers, CPG Sr. Project Manager

Ensolum, LLC | Environmental & Hydrogeologic Consultants 606 South Rio Grande, Suite A | Aztec, NM 87410 | ensolum.com

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CLOSURE REPORT

Lateral K-54 Condensate Tank Riser (4/15/21) Unit Letter C, S22 T27N R6W Rio Arriba County, New Mexico

Ensolum Project No. 05A1226145

1.0 INTRODUCTION

1.1 Site Description & Background

| Operator: | Enterprise Field Services, LLC / Enterprise Products Operating LLC (Enterprise) | |
|---------------------------------|---|--|
| Site Name: | Lateral K-54 Condensate Tank Riser (4/15/21) (Site) | |
| NM EMNRD OCD Incident ID No. | NAPP2110632433 | |
| Location: | 36.566719° North, 107.456677° West Unit Letter C, Section 22, Township 27 North, Range 6 West Rio Arriba County, New Mexico | |
| Property: | Private | |
| Regulatory: | New Mexico (NM) Energy, Minerals and Natural Resources Department (EMNRD) Oil Conservation Division (OCD) | |

On April 9, 2021, a release of natural gas and condensate occurred from the Lateral K-54 condensate tank riser. The resulting release was characterized by soil discoloration at the ground surface. Soil remediation activities began on April 14, 2021. On April 15, 2021, Enterprise upgraded the Site to a "reportable" release due to the estimated volume of impacted soil and the NM EMNRD OCD was notified.

A **Topographic Map** depicting the location of the Site is included as **Figure 1**, and a **Site Vicinity Map** is included as **Figure 2** in **Appendix A**.

1.2 **Project Objective**

The primary objective of the closure activities was to reduce constituent of concern (COC) concentrations in the on-Site soils to below the applicable NM EMNRD OCD closure criteria.

2.0 CLOSURE CRITERIA

The Site is subject to regulatory oversight by the NM EMNRD OCD. To address activities related to oil and gas releases, the NM EMNRD OCD references NM Administrative Code (NMAC) 19.15.29 *Releases,* which establishes investigation and abatement action requirements for oil and gas release sites that are subject to reporting and/or corrective action. Ensolum, LLC (Ensolum) utilized information provided by Enterprise, the general site characteristics, and information available from the NM Office of the State Engineer (OSE) and the NM EMNRD OCD imaging database to determine the appropriate closure criteria for the Site. Supporting figures and documentation associated with the following Siting bullets are provided in **Appendix B**.

• The OSE tracks the usage and assignment of water rights and water well installations and records this information in the Water Rights Reporting System (WRRS) database. Water wells and other

Closure Report Enterprise Field Services, LLC Lateral K-54 Condensate Tank Riser (4/15/21) September 1, 2021



points of diversion (PODs) are each assigned POD numbers in the database (which is searchable and includes an interactive map). No PODs were identified within a one mile radius of the Site. In addition, no PODs were identified in the adjacent Public Land Survey System (PLSS) sections (**Figure A**, **Appendix B**).

- Numerous cathodic protection wells (CPWs) were identified in the NM EMNRD OCD imaging database within one mile of the Site and in adjacent PLSS sections. The approximate locations of the four closest CPWs are depicted on Figure B (Appendix B). One CPW is associated with the San Juan 28-6 Unit #6, #95, #11 oil/gas production wells and is located approximately 0.3 miles northwest of the site and at a higher elevation (6,501 feet, according to the well record) than the Site (6,370 feet), with a reported depth to water of 180 feet bgs. The second CPW is associated with the Rincon #29A MV and Rincon #120 PC oil/gas production wells and is located approximately 0.3 miles southwest of the site and at a higher elevation (6,468 feet, according to the well record) than the Site, with a reported depth to water of 60 feet bgs. The third CPW is associated with the Rincon Unit #118 PC, Rincon Unit #29 MV, and Rincon #181 DK oil/gas production wells and is located approximately 0.4 miles southeast of the site and at a higher elevation (6,570 feet, according to the well record) than the Site, with reported depth to water ranging from 85 to 95 feet bgs. The fourth CPW is associated with the San Juan 28-6 Unit #27A and #84 oil/gas production wells and is located approximately 0.4 miles northeast of the site and at a higher elevation (6,462 feet, according to the well record) than the Site, with a reported depth to water of 130 feet bgs.
- The Site is located within 300 feet of a NM EMNRD OCD-defined continuously flowing watercourse or significant watercourse. The Site is located approximately 40 feet west of Martinez Canyon Wash (Figure C, Appendix B).
- The Site is not located within 200 feet of a lakebed, sinkhole, or playa lake.
- The Site is not located within 300 feet of a permanent residence, school, hospital, institution, or church (**Figure D**, **Appendix B**).
- No springs, or private domestic fresh water wells used by less than five households for domestic or stock watering purposes were identified within 500 feet of the Site (**Figure E**, **Appendix B**).
- No fresh water wells or springs were identified within 1,000 feet of the Site (Figure E, Appendix B).
- The Site is not located within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to New Mexico Statues Annotated (NMSA) 1978, Section 3-27-3.
- Based on information identified in the U.S. Fish & Wildlife Service National Wetlands Inventory Wetlands Mapper, the Site is not located within 300 feet of a wetland (**Figure F**, **Appendix B**).
- Based on information identified in the NM Mining and Minerals Division's Geographic Information System (GIS) Maps and Mine Data database, the Site is not located within an area overlying a subsurface mine (**Figure G**, **Appendix B**).
- The Site is not located within an unstable area.
- Based on information provided by the Federal Emergency Management Agency (FEMA) National Flood Hazard Layer (NFHL) geospatial database the location of the Site is unlikely to be located within a 100-year floodplain (**Figure H**, **Appendix B**).



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ENSOLUM

Based on the identified siting criteria, the applicable closure criteria for soils remaining in place at the Site include:

| Tier I Closure Criteria for Soils Impacted by a Release | | |
|---|--------------------------------|-----------|
| Constituent ¹ | Method | Limit |
| Chloride | EPA 300.0 or SM4500 CI B | 600 mg/kg |
| TPH (GRO+DRO+MRO) ² | EPA SW-846 Method 8015 | 100 mg/kg |
| BTEX ³ | EPA SW-846 Method 8021 or 8260 | 50 mg/kg |
| Benzene | EPA SW-846 Method 8021 or 8260 | 10 mg/kg |

¹ – Constituent concentrations are in milligrams per kilograms (mg/kg).

² – Total Petroleum Hydrocarbons (TPH). Gasoline Range Organics (GRO). Diesel Range Organics (DRO). Motor Oil/Lube Oil Range Organics (MRO).

³ – Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX).

3.0 SOIL REMEDIATION ACTIVITIES

On April 14, 2021, Enterprise initiated activities to remediate petroleum hydrocarbon impact resulting from the release. During the remediation and corrective action activities, OFT Construction Inc (OFT), provided heavy equipment and labor support, while Ensolum provided environmental consulting support.

The final excavation measured approximately 63 feet long and 23 feet wide at the maximum extents. The maximum depth of the excavation measured approximately 16 feet bgs. The lithology encountered during the completion of remediation activities consisted primarily of unconsolidated silty clay and weathered shale underlain by sandstone.

Approximately 1,507 cubic yards (yd³) of petroleum hydrocarbon affected soils/sandstone and 200 barrels (bbls) of hydro-excavation soil cuttings and water were transported to the Envirotech, Inc., (Envirotech) landfarm near Hilltop, NM for disposal/remediation. The executed C-138 solid waste acceptance form is provided in **Appendix C**. At the request of the landowner, the excavation was backfilled with laboratory-confirmed stockpiled soils that were left over from a stock pond construction, and the area was then contoured to the surrounding grade.

Figure 3 is a map that identifies approximate soil sample locations and depicts the approximate dimensions of the excavation with respect to the pipelines (**Appendix A**). Photographic documentation of the field activities is included in **Appendix D**.

4.0 SOIL SAMPLING PROGRAM

Ensolum field screened the soil samples from the excavation utilizing a calibrated Dexsil PetroFLAG[®] hydrocarbon analyzer system and a photoionization detector (PID) fitted with a 10.6 eV lamp to guide excavation extents.

Ensolum's soil sampling program included the collection of 20 composite soil samples (S-1 through S-20) from the excavation for laboratory analysis. Three composite soil samples (SP-1 through SP-3) were collected from the stockpiled soils to confirm the material was suitable to use as backfill. In addition, six composite soil samples were collected from test pits. The composite samples were comprised of five (5) aliquots each and represent an estimated 200 square foot (ft²) sample area per guidelines outlined in Section D of 19.15.29.12 NMAC. Hand tools and an excavator, operated by OFT, were utilized to obtain fresh aliquots from each area of the excavation. Wall sample depths were measured from the adjacent ground surface. The surface topography at the Site is sloped downward to the east/northeast resulting in shorter walls on the east side of the excavation. The floor samples were assigned an average depth based





on the measured depth of the walls adjacent to the aliquot collection areas. The regulatory notification documentation is provided in **Appendix E**.

First Sampling Event

On May 24, 2021, the first sampling event was performed at the Site. The NM EMNRD OCD was notified of the sampling event although no representative was present during sampling activities. Composite soil sample S-1 (14') was collected from the floor of the excavation near the release point.

Second Sampling Event

On May 26, 2021, a second sampling event was performed. The NM EMNRD OCD was notified of the sampling event although no representative was present during sampling activities. Composite soil sample S-2 (14') and S-3 (13') were collected from the floor of the excavation.

Third Sampling Event

On June 2, 2021, a third sampling event was performed. The NM EMNRD OCD was notified of the sampling event although no representative was present during sampling activities. Composite soil samples S-4 (10') and S-5 (8') were collected from the floor of the excavation. Composite soil sample S-6 (0'-8') was collected from the wall of the excavation.

Fourth Sampling Event

On June 14, 2021, a fourth sampling event was performed. The NM EMNRD OCD was notified of the sampling event although no representative was present during sampling activities. Composite soil sample S-7 (14') was collected from the floor of the excavation. Composite soil samples S-8 (0'-11'), S-9 (0'-12'), S-10 (0'-12'), S-11 (0'-12'), S-12 (0'-12'), S-13 (0'-16'), and S-14 (0'-16') were collected from the walls of the excavation. Subsequent soil analytical results identified COC concentrations that exceeded the NM EMNRD OCD closure criteria for composite soil sample S-14. Due to safety concerns regarding support of the 10-inch drip vessel, further excavation to the west was temporarily halted.

Fifth Sampling Event

On June 17, 2021, the NM EMNRD OCD approved a request by Enterprise to partially backfill the excavation and to advance test pits west of the 10-inch drip vessel to determine the extent of hydrocarbon impact to the west. During this time and with approval from the landowner, the United States Bureau of Land Management (BLM), and the NM EMNRD OCD, stockpiled native fill was obtained from a BLM stock pond and brought to the Site for use as backfill material. The fifth sampling event was performed on the same day. Composite soil samples (SP-1 through SP-3) were collected from the stockpiled soils to demonstrate that the soils did not exhibit COC impact and that they were suitable for use as backfill.

Sixth Sampling Event

On June 22, 2021, a sixth sampling event was performed. The NM EMNRD OCD was notified of the sampling event although no representative was present during sampling activities. Composite soil samples S-15 (0'-15') and S-16 (0'-9') were collected from the walls of the excavation. Composite soil samples S-17 (12') and S-18 (12') were collected from floor of the excavation.

Seventh Sampling Event

On June 23, 2021, three test pits were advanced west of the 10-inch drip vessel and a seventh sampling event was performed. The NM EMNRD OCD was notified of the sampling event although no representative was present during sampling activities. Soil samples TP-1a (0'-8') (wall), TP-1b (9') (floor), TP-2a (0'-14') (wall), TP-2b (15') (floor), TP-3a (0'-15') (wall), and TP-3b (16') (floor) were collected from test pits. Subsequent soil analytical results identified COC concentrations that exceeded the NM EMNRD OCD closure criteria for soil sample TP-1a. The excavation was extended to the west in the vicinities of composite soil samples S-14 and TP-1a. Soils associated with composite soil samples S-14 and TP-1a were removed by excavation and transported to the landfarm for disposal/remediation.

Closure Report Enterprise Field Services, LLC Lateral K-54 Condensate Tank Riser (4/15/21) September 1, 2021



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Eighth Sampling Event

On June 28, 2021, an eighth sampling event was performed. The NM EMNRD OCD was notified of the sampling event although no representative was present during sampling activities. Composite soil samples S-19 (0'-9') and S-20 (0'-16') were collected from the walls of the excavation to replace soil samples S-14 and TP-1a.

All soil samples were collected and placed in laboratory prepared glassware. The containers were labeled and sealed using the laboratory supplied labels and custody seals and were stored on ice in a cooler. The samples were relinquished to the courier for Hall Environmental Analysis Laboratory of Albuquerque, NM, under proper chain-of-custody procedures.

5.0 SOIL LABORATORY ANALYTICAL METHODS

The composite soil samples were analyzed for BTEX using Environmental Protection Agency (EPA) SW-846 Method #8021 or #8260; TPH GRO/DRO/MRO using EPA SW-846 Method #8015; and chlorides using EPA Method #300.0. The composite soil samples collected from the stockpiled BLM pond soils were also analyzed for sulfates using EPA Method #300.0.

The laboratory analytical results are summarized in **Table 1** (**Appendix F**). The laboratory data sheets and executed chain-of-custody forms are provided in **Appendix G**.

6.0 DATA EVALUATION

Ensolum compared the BTEX, TPH, and chloride laboratory analytical results associated with the composite soil samples (S-1 through S-13, S-15 through S-20, SP-1 through SP-3, TP-1b, TP-2a, TP-2b, TP-3a, and TP-3b) to the applicable NM EMNRD OCD Tier I closure criteria. In the event that the laboratory did not quantify a result for BTEX or chloride, Ensolum compared the laboratory supplied practical quantitation limits (PQLs) / reporting limits (RLs) to the NM EMNRD OCD closure criteria. Due to the high PQLs/RLs associated with the TPH MRO range when using EPA SW-846 Method #8015, Ensolum only compared the quantified results to the NM EMNRD OCD closure criteria. The soils associated with composite soil samples S-14 and TP-1a were transported to Envirotech landfarm for disposal/remediation and are not included in the following discussion.

- The laboratory analytical result for composite soil sample S-3 indicates a benzene concentration of 0.021 mg/kg, which is less than the applicable NM EMNRD OCD closure criteria of 10 mg/kg. The laboratory analytical results for all other composite soil samples collected from soils remaining at the Site indicate that benzene is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the applicable NM EMNRD OCD closure criteria of 10 mg/kg.
- The laboratory analytical results for composite soil samples S-2, S-3, S-7, and S-15 indicate total BTEX concentrations ranging from 0.36 mg/kg (S-15) to 2.1 mg/kg (S-7), which are less than the applicable NM EMNRD OCD closure criteria of 50 mg/kg. The laboratory analytical results for all other composite soil samples collected from soils remaining at the Site indicate that total BTEX is not present at concentrations greater than the laboratory PQLs/RLs, which are less than the applicable NM EMNRD OCD closure criteria of 50 mg/kg.
- The laboratory analytical results for composite soil samples S-2, S-3, S-6, S-7, S-10, S-15, S-16, and TP-1b indicate combined TPH GRO/DRO/MRO concentrations ranging from 11 mg/kg (TP-1b) to 72 mg/kg (S-15), which are less than the applicable NM EMNRD OCD closure criteria of 100 mg/kg. The laboratory analytical results for all other composite soil samples collected from soils remaining at the Site indicate that total combined TPH GRO/DRO/MRO is not present at



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concentrations greater than the laboratory PQLs/RLs, which are less than the applicable NM EMNRD OCD closure criteria of 100 mg/kg.

- The laboratory analytical results for the composite soil samples collected from soils remaining at the Site indicate chloride concentrations ranging from below the laboratory PQLs/RLs to 180 mg/kg (S-10), which are less than the applicable NM EMNRD OCD closure criteria of 600 mg/kg.
- The laboratory analytical results for composite soil samples SP-1, SP-2, and SP-3 indicate sulfate concentrations of 24 mg/kg, 21 mg/kg, and 28 mg/kg, respectively. The NM EMNRD OCD has no established closure criteria for sulfate.

The laboratory analytical results are summarized in **Table 1** (Appendix F).

7.0 RECLAMATION AND REVEGETATION

The excavation was backfilled with laboratory-confirmed stockpiled soil and was then contoured to surrounding grade.

8.0 FINDINGS AND RECOMMENDATION

- Twenty-nine composite soil samples were collected from the Site. Based on laboratory analytical results, no benzene, BTEX, chloride, or combined TPH GRO/DRO/MRO exceedances were identified in the soils remaining at the Site.
- Approximately 1,507 yd³ of petroleum hydrocarbon affected soils/sandstone and 200 bbls of hydroexcavation soil cuttings and water were transported to the Envirotech landfarm for disposal/remediation. The excavation was backfilled with imported fill and laboratory-confirmed stockpiled soils and then contoured to the surrounding grade.

Based on field observations and laboratory analytical results, no additional investigation or corrective action appears warranted at this time.

9.0 STANDARDS OF CARE, LIMITATIONS, AND RELIANCE

9.1 Standard of Care

Ensolum's services were performed in accordance with standards customarily provided by a firm rendering the same or similar services in the area during the same time period. Ensolum makes no warranties, express or implied, as to the services performed hereunder. Additionally, Ensolum does not warrant the work of third parties supplying information used in the report (e.g., laboratories, regulatory agencies, or other third parties).

9.2 Limitations

Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work and it should be noted that this information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, or not present during these services, and Ensolum cannot represent that the Site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during the investigation. Environmental conditions at other areas or portions of the Site may vary from those



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encountered at actual sample locations. Ensolum's findings and recommendation are based solely upon data available to Ensolum at the time of these services.

9.3 Reliance

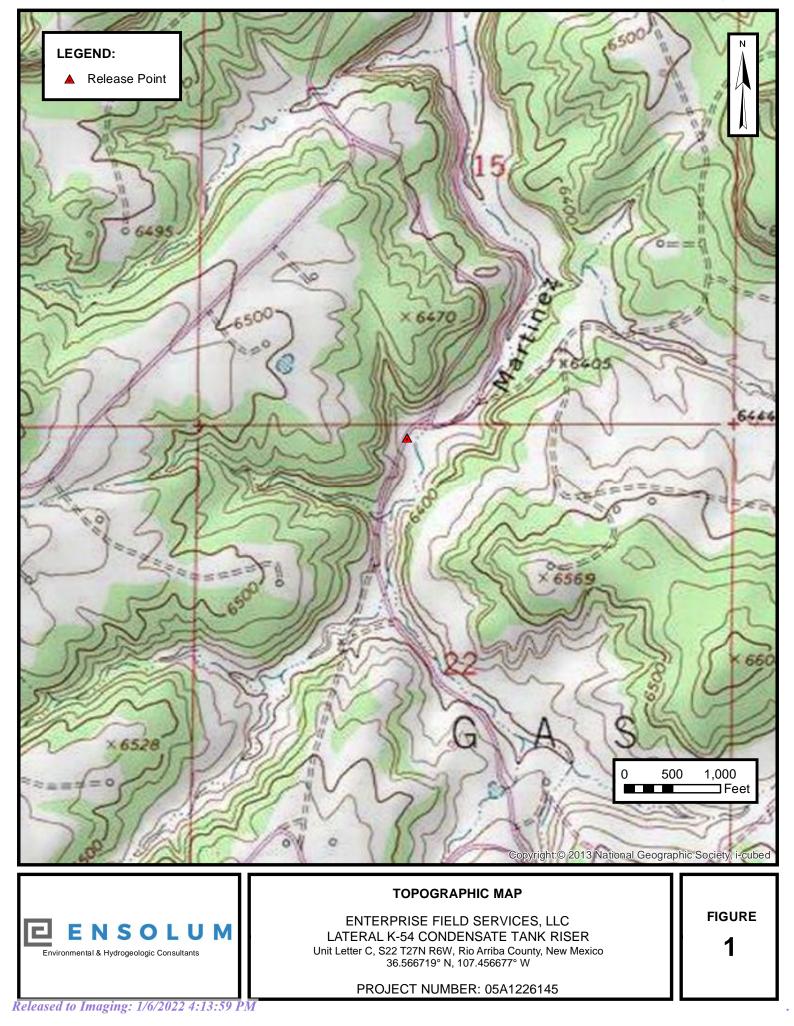
This report has been prepared for the exclusive use of Enterprise, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization of Enterprise and Ensolum. Any unauthorized distribution or reuse is at the client's sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions and limitations stated in the Closure Report, and Ensolum's Master Services Agreement. The limitation of liability defined in the agreement is the aggregate limit of Ensolum's liability to the client.



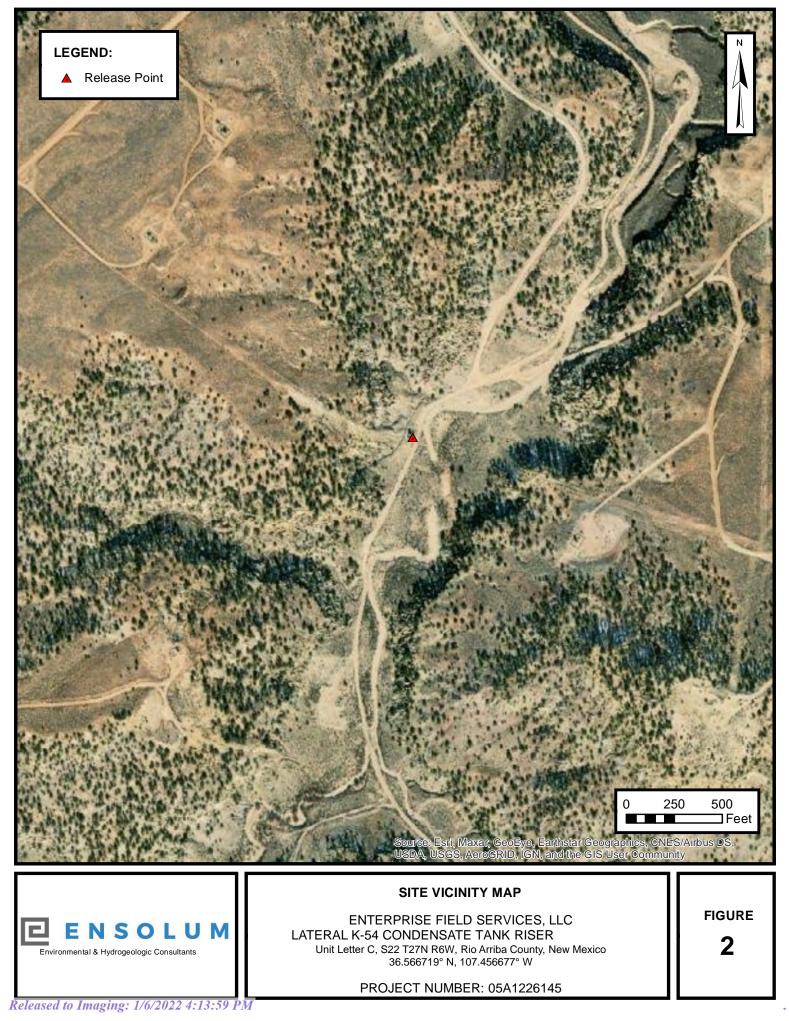
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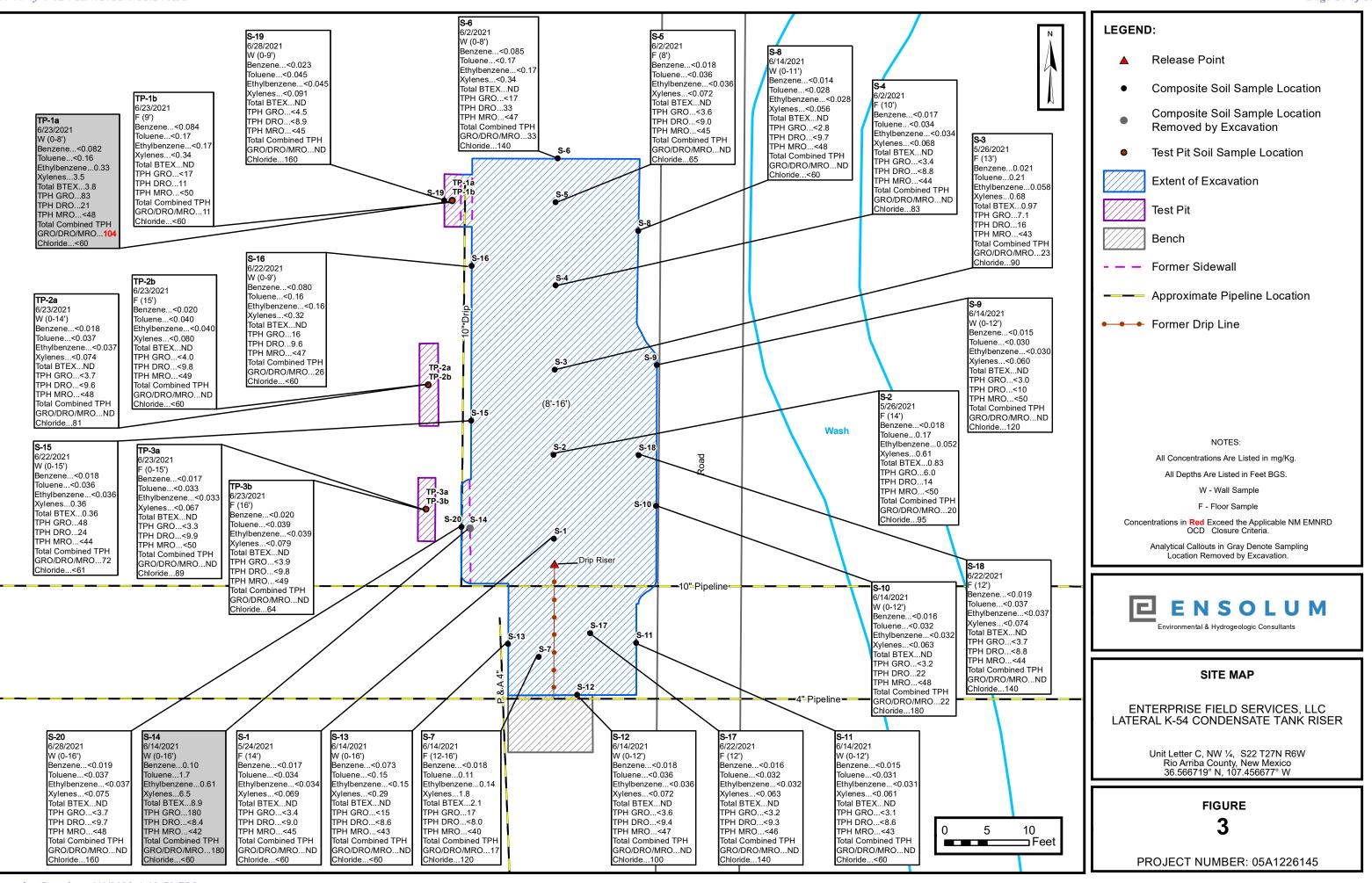
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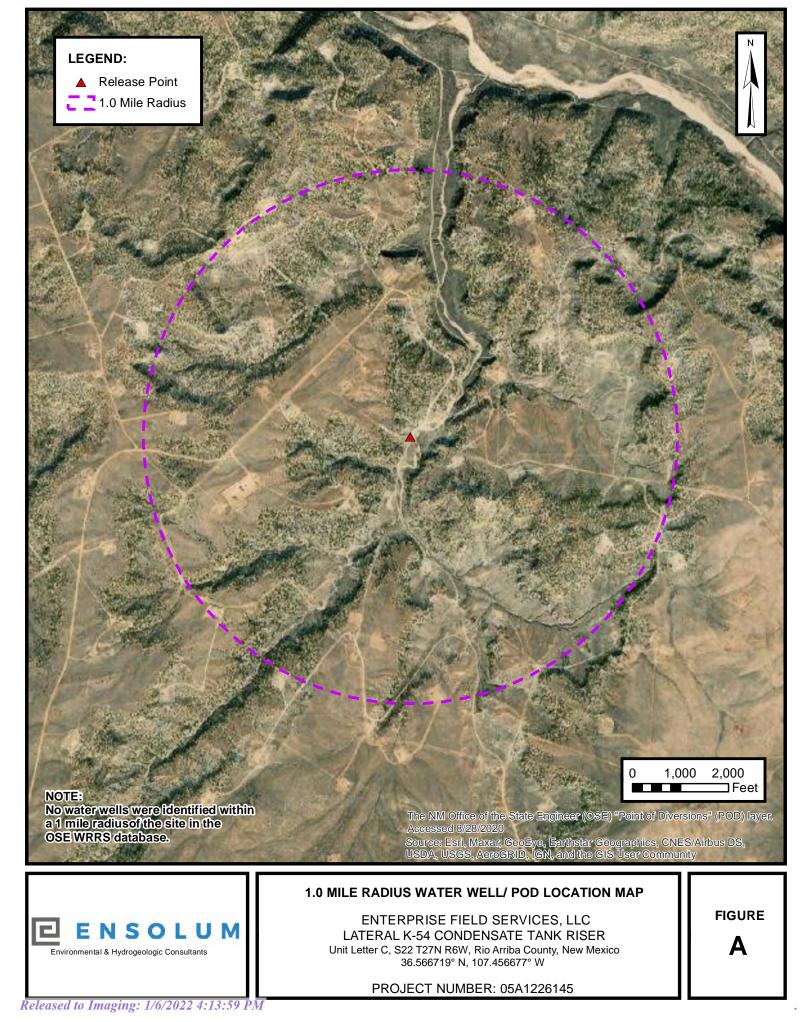
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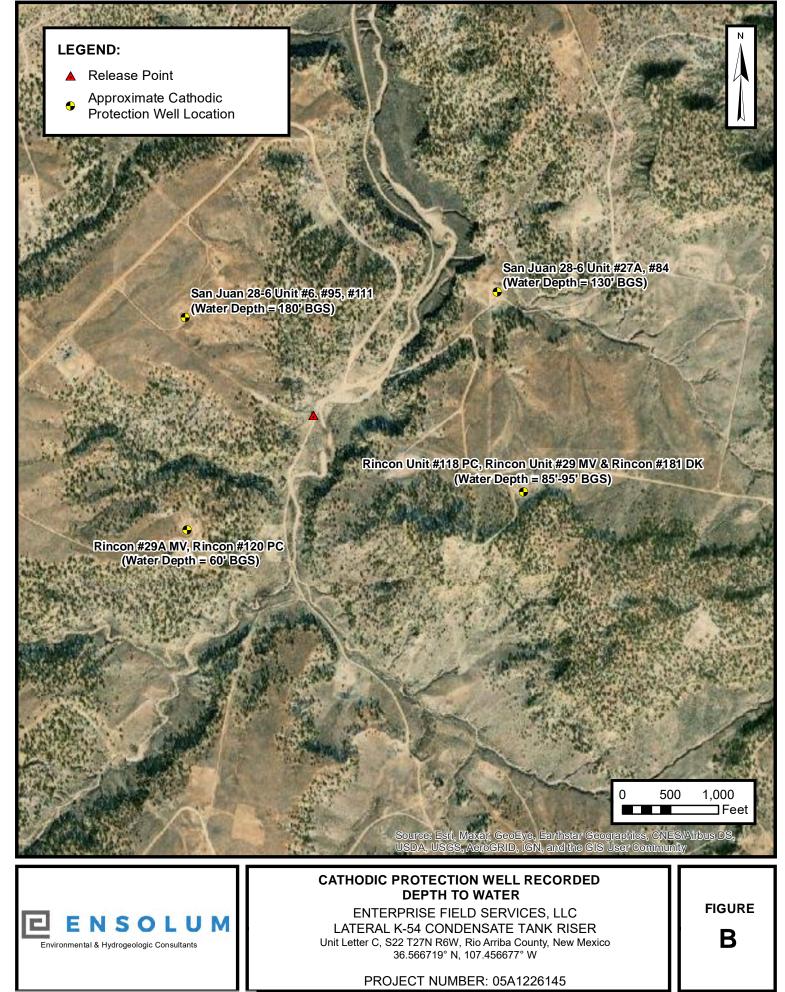
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APPENDIX B

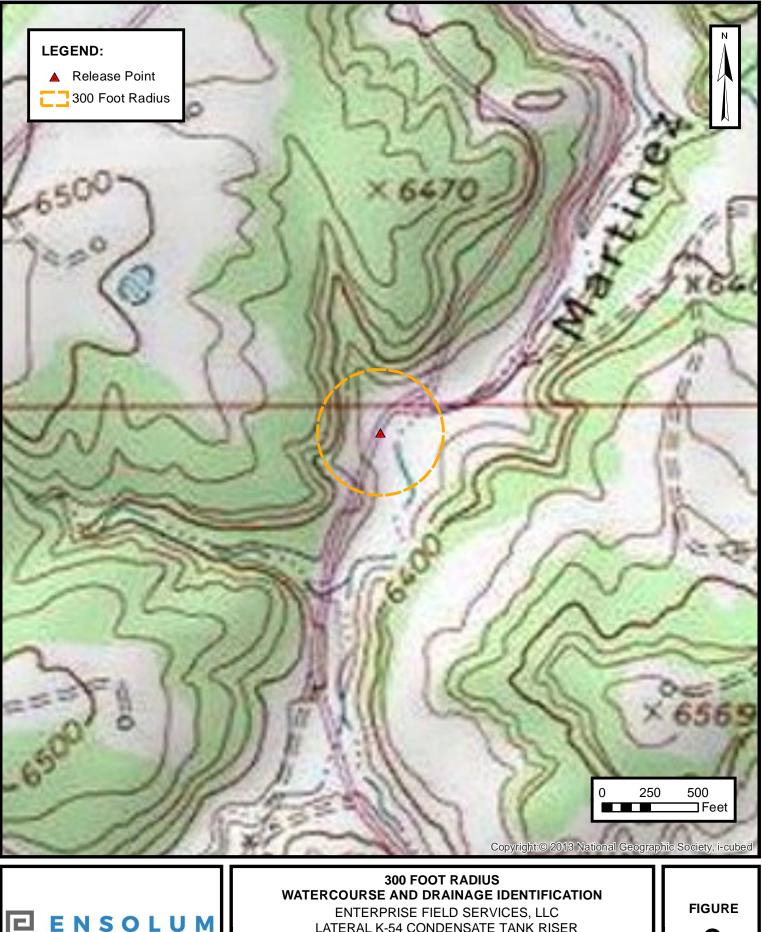
Siting Figures and Documentation





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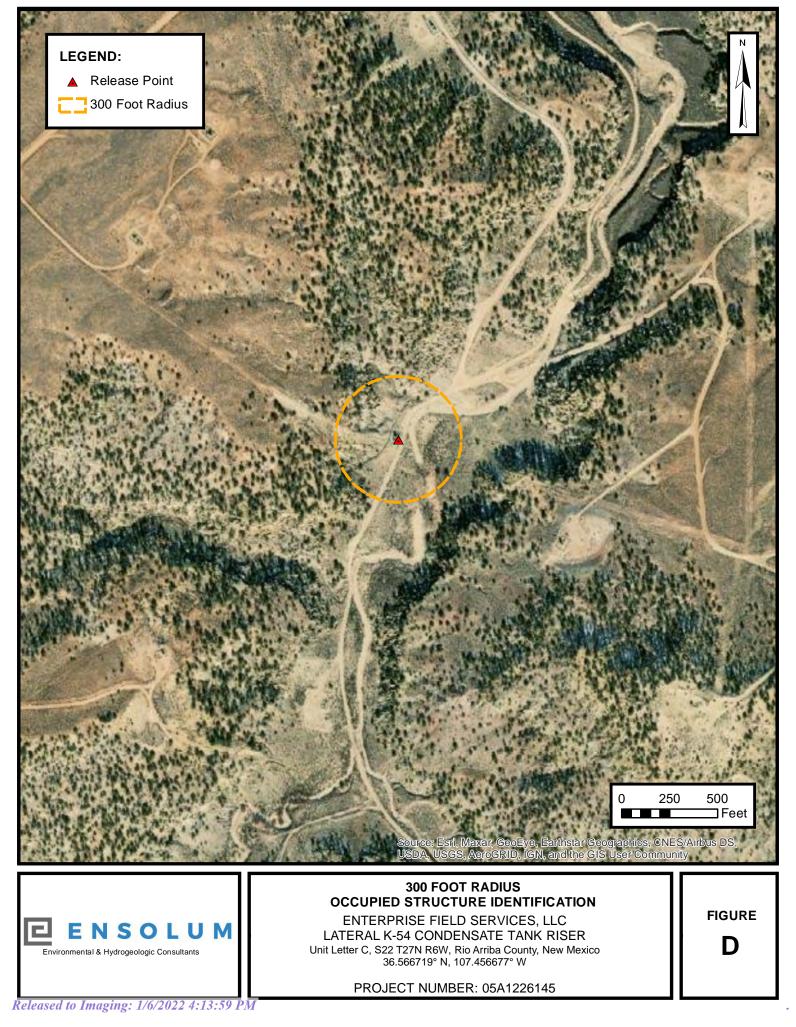
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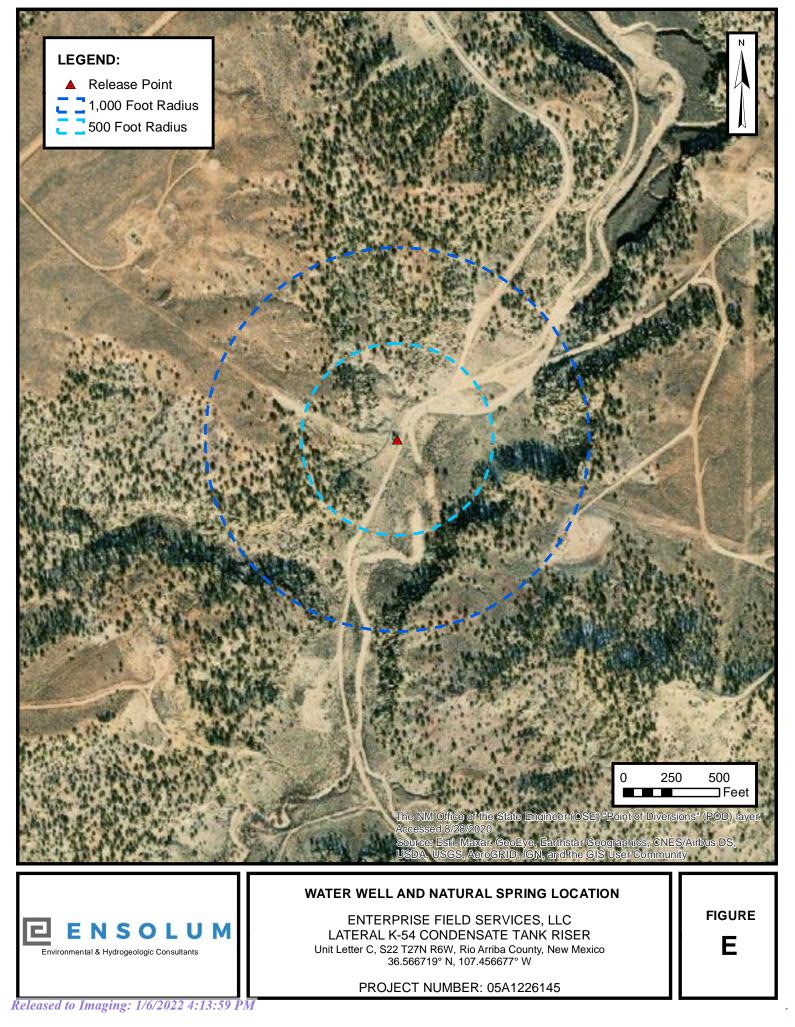


Environmental & Hydrogeologic Consultants

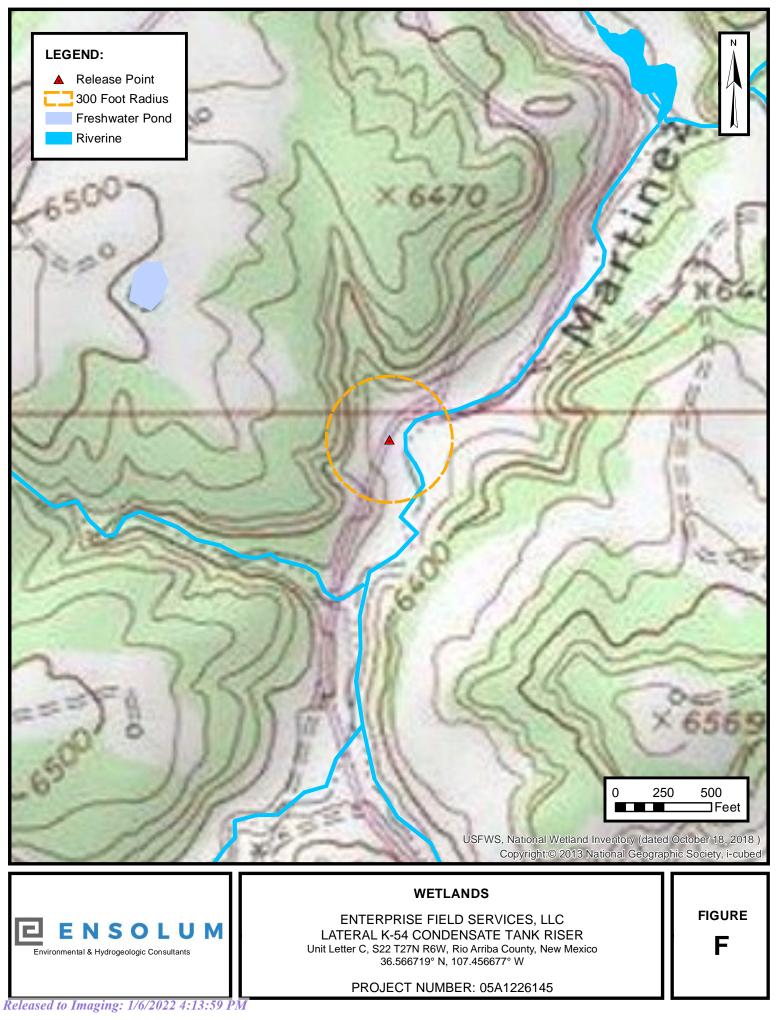
ENTERPRISE FIELD SERVICES, LLC LATERAL K-54 CONDENSATE TANK RISER Unit Letter C, S22 T27N R6W, Rio Arriba County, New Mexico 36.566719° N, 107.456677° W

PROJECT NUMBER: 05A1226145

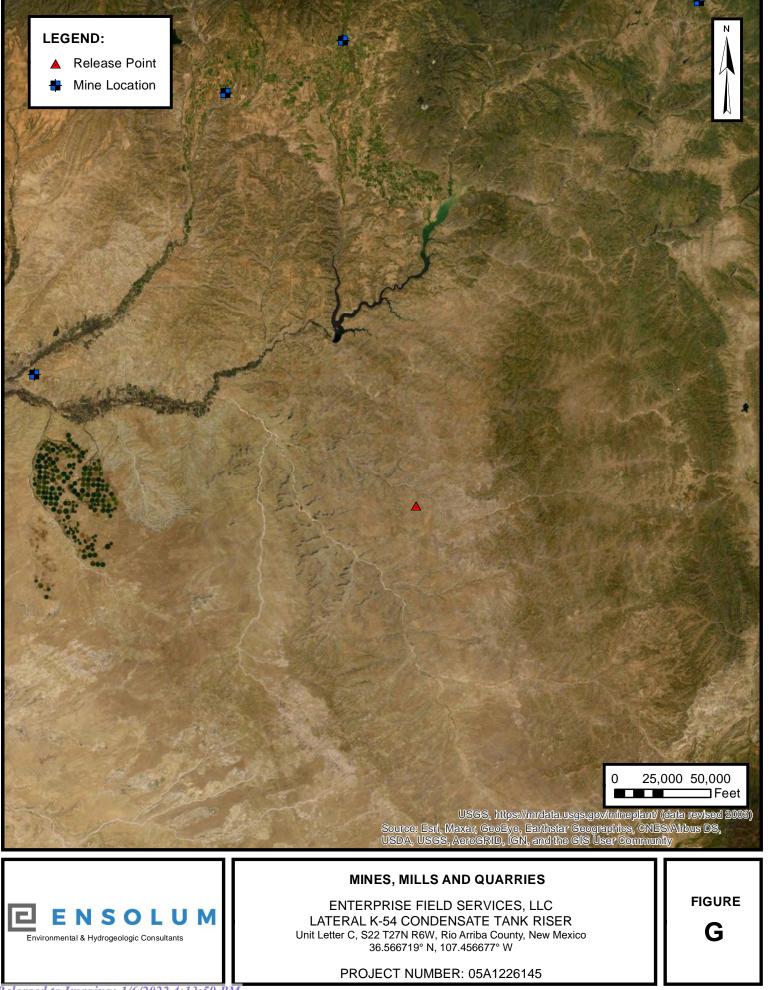




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New Mexico Office of the State Engineer Water Column/Average Depth to Water

No records found.

PLSS Search:

Section(s): 22, 15, 16, 14, Township: 27N Range: 06W 23, 21, 26, 27, 28

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

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| Page | 26 0 | of 152 |
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| #120 | 30-039-06988 |
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| | |

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS NORTHWESTERN NEW MEXICO (Submit 3 copies to OCD Aztec Office)

Operator_Union Oil Company of California__Location: Unit__Sec.<u>22</u> Twp<u>27N</u> Rng_<u>6W</u> Name of Well/Wells or Pipeline Serviced_<u>Rincon #29A MV</u>_<u>Rincon #120 PC</u>_____

Elevation <u>6468</u> Completion Date <u>8/22/79</u> Total Depth <u>380</u> Land Type* F

If Casing is cemented, show amounts & types used <u>None</u>

If Cement or Bentonite Plugs have been placed, show depths & amounts used

Depths & thickness of water zones with description of water when possible:

Fresh, Clear, Salty, Sulphur, Etc. <u>35' to 65' deep 30' thick Fresh</u>

| | Depths gas encountered: | NA | |
|----|------------------------------|--------------|------------------------------|
| 齡、 | Type & amount of coke breeze | used: type | unknown 3400 lbs 😰 🖉 🖉 🖉 🖉 🕅 |
| | Depths anodes placed: | 115' to 265' | MM MAY1 4 1990 |
| | Depths vent pipes placed: | 360' | OIL CON. DIV. |
| | Vent pipe perforations: | 300' | dast. 3 |

Remarks: El Paso Natural Gas Co. was the operator at the time this ground bed was installed.

First ground bed installed at this location

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included

*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee. If Federal or Indian, add Lease Number.

WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG

CONTRACTZ

Druing Log (Attach Hereto).

Completion Date 8-22-79

| RINCON U.#29A | \$ 120 | Leist N | w 22-2 | 7-6 | | CPS No. | oω | |
|--|--------------------|------------|-------------|-------------------|--------------|--------------------|-----------------------|-----------------|
| Type & Size Pit Used | | | 2" X | 60" Dur | RIRON | Work Order 5736 | 5.21 \$ 5 | 3441.19 |
| 380-375TD | stal Deologia (See | | 3900 | e dit de | ulu d'aitlus | ed No. Sacks N | tud Used | |
| 1 265 - 255 | 3 220 | 210 | 200 | . 190 | 180 | в /70 | 125 | « 10 115 |
| Anedo Outeut (Ames) | - 3 2.3 | 3.0 | 3.1 | 3.2 | 3.7 | - 3.4 | ·· • 3.8 | * 10 5.2 |
| Anodo Depth 11 a 12 | · 13 | 1. | | 1 16 | 17 | - 18 | 19 | # 20 |
| Anode Outeut (Åmps) } } | 13 | i | 15 | 18 | 17 | 1 | 1 1 1 1 9 | ≈ 20 : |
| Total Circuit Resistance Jolts 11.3 | 14.7 | 1 | 77 | Terra C P Cap | ·· Us· I | | No. 2 C.P. Ca | ble Used |
| emarks: 57 4/5 #29. | A TUBE . | 89 #1 | 205W= | .74 | | | | |
| WATER AT L | | | | | ter s | TAND | ING IN | hole |
| | | | | Ater) | | | · · · · | |
| AT 300' | | | | | | | | |
| OFVENT K | | | | | | | | |
| SACKS OF | 1 | | | | | | | |
| | | | | | an | All Constru | stion Complete | |
| Hole depth GOUJOA Re | ct | | | | DK | | 1.1 | |
| STUB POLE DITCH + CAb | Le= 42 | / | | | Koli | | anick mature) | 4 |
| EXTRA CAD | | | ROUND BED L | AYOUT SKET | сн | | | |
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| | | | 109' | | | | | |
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| DISTRIBUTION: | | | | \setminus | | | | |
| WHITE - Division Corros | | | | | | | | 1 |
| PIEK - Originator File | | | | Y | | | | |

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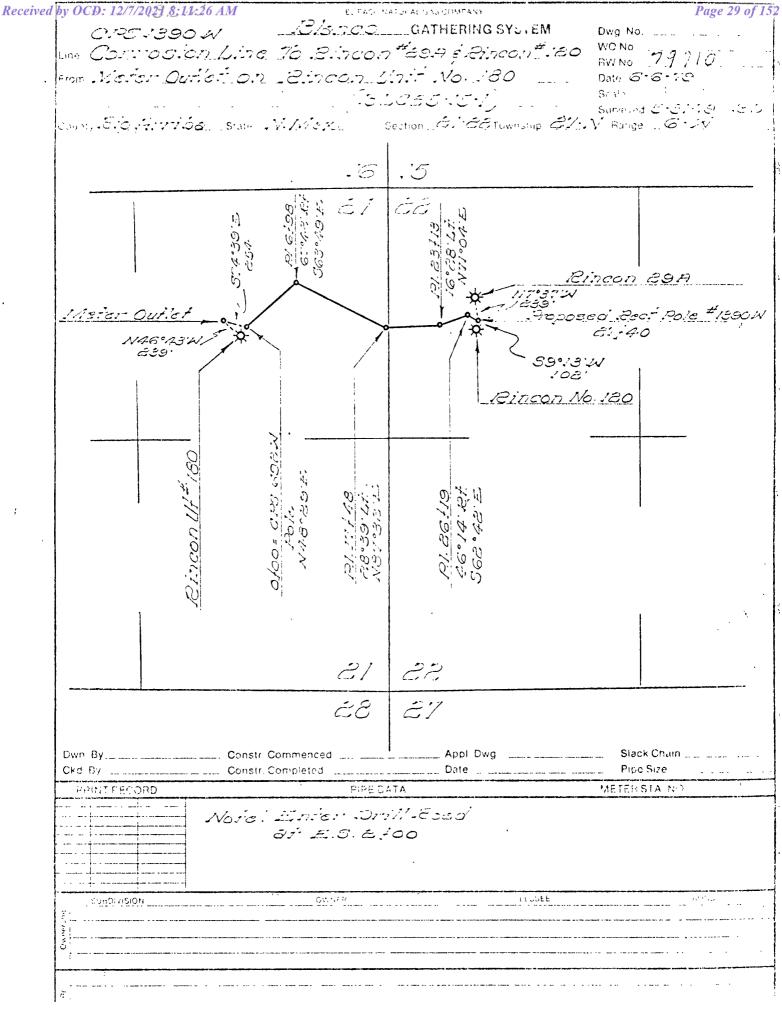
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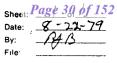
EL PASO NATURAL GAS COMPANY SAN JUAN DIVISION FARMINGTON, NEU MEXICO PRODUCTION DEPARTMENT MATER AMALYSIS

| Analysis No. 1-9751 | Date_ | 10-24-79 | ىرىدىنى ھەرىلەر تۇرىغە تۇرىغە تەرىپ تۇرىغە يېرىغە تۇرىغە |
|--|-------------------|--|--|
| Operator EPNG | Well Name | Rincon # 29 A | |
| LocationNW 22-27-6 | County_Rio A | rribaState | N.M. |
| Field | Formation | | |
| Sampled From 1390 1 | N | | |
| Date Sampled | By | | |
| Tbg. Press ppm | Csg. Press epm | Surface Cs ppm | g, Press epm |
| Sodium <u>346</u> | 15 | Chloride 20 | |
| Calcium 8 | . 4 | Bicarbonate_307 | 5 |
| Magnesium 3 | .2 | Sulfate 485 | 10 |
| IronPresent | | Carbonate 0 | 0 |
| H ₂ S_Absent | | Hydroxide 0 | 0 |
| cc: D.C.Adams R.A.Ullrich E.R.Paulek | | Total Solids Disso: pH8;0 | lved1072 |
| J.W.McCarthy A.M.Smith W.B.Shropshire File C. B. O'Nan | | Sp. Gr. <u>1.0015</u> Resistivity <u>635</u> of | |
| 60 Ft. | | ac Sheni | nto the . |
| 20 Na 25 20 15 Ca Ca | | | 20 25 C1 10 |
| Mg | | | so ₄ 10 |
| Fe | Scale: | epn | C03 4 |



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El Paso Natural Gas Company ENGINEERING CALCULATION



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| | 1390-W Rincon U. # Rincon U. # | NW22-27-6 29A 57365.21 120 53441,19 | st%=.89NE St %=.74 SW | II brs |
|---|---|---|---|--|
| MW gals/mol 16 04 C1 64 30 07 C2 10.12 44 10 C3 10.42 58 12 iC4 12.38 58 12 nC4 11.93 72.15 iC5 13.85 72 15 nC5 13.71 | 5 10 15 20 25 30 35 | $ \begin{array}{ccccccccccccccccccccccccccccccccccc$ | WATER STAN DRILLED INSTALLED PIPE 300 F | O'DRILLed TO/20 ding inhole NextAM 380' Logged 375' 360FT VENT TPERFORATED 9 SACKS OF |
| R6 18 IC6 15.50 86 18 IC6 15.50 86 18 IC6 15.50 100 21 IC7 17.2 100 21 IC7 17.2 100 21 IC7 17.4 114 23 C8 19.39 28 05 C2 9.64 42 08 C3 9.67 | 40 45 50 55 60 65 70 2.0 75 2.1 80 1.7 | $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | HOLE DEN GOU BOA GTUBPE Ditch 4 EXTRA C. (INCLUD | DTh = - 125 Ract DLe CAble = 42/ ABLe = 383 \$ 25' Hookup WiRe) |
| MISC MW gals/mol | 85 1.7 90 1.4 95 1.4 100 5 10 1.8 15 2.1 -10 20 1.9 25 1.5 - 9 | 5,3 10,3 15,4 20,4 25,4 30,4 30,5 35,7 40,4 45,4 | | |
| 32 00 O2 3 37 28 01 CO 4 19 44.01 CO2 6 38 64 06 SO2 5 50 34.08 H2S 5 17 28.01 N2 4 16 2 02 H2 3 38 | $\begin{array}{c} 30 & .8 \\ 30 & .6 \\ 40 & .5 \\ 50 & .5 \\ 55 \\ .0 \\ 55 \\ .0 \\ 55 \\ .0 \\ .5 \\ .5$ | 50 .4 55 .4 20 .4 20 .4 25 .8 70 75 | $ \begin{array}{c} 0 & 265 - 2.1 \\ \hline 0 & 255 - 2.0 \\ \hline 0 & 220 - 1.2 \\ \hline 0 & 200 - 1.4 \\ \hline 0 & 200 - 1.6 \\ \hline 0 & 190 - 1.6 \\ \hline 0 & 190 - 2.0 \\ \hline 0 & 170 - 2.0 \\ \hline 0 & 170 - 2.0 \\ \hline 0 & 175 - 1.6 \\ \hline 0 & 175 - 2.7 \\ \hline 11.3 & 14.7 p = 1 \\ \end{array} $ | -3.4 -3.0 -3.1 -3.2 -3.2 -3.4 -3.4 -3.8 -5.2 |

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| <i>eceived by OCD: 12/7/20</i> Form 22-2 (Rev. 1-61) | 021 8:11:26 AM | EL PAS | NATURAL GAS COMPANY | | | Page 3 |
|---|----------------------------------|-----------------------|--|-----------------------|--|--------|
| 1390w | ~ | Contract # | DRILLING DEPARTMENT | : | DAILY DRILLING REPORT | |
| EASE | WELL NO. COM | ITRACTOR OBria | NT RIGNO. / | REPORT NO. | DATE Aur 22 1979 | |
| мо | RNING | D | AYLIGHT | E | EVENING | |
| ler | Total Mer In Crew | Driller | Poter Dien In Crew | Duller | Total Men In Crew | |
| FROM TO | FORMATION WT-BIT R.P.M. | FROM TO | FORMATION WT-BIT R.P.M. | FROM TO | FORMATION WT-BIT R.P.M. | |
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| | | | | | | |
| | NO. DCSIZELENG | | NO. DCSIZELENG | _ | NO. DCSIZELENG | |
| | NO. DC SIZE LENG | BIT NO. | NO. DCSIZELENG | BIT NO. | NO. DCSIZELENG | |
| . NO. | STANDS | SERIAL NO. | STANDS | SERIAL NO. | STANDS | |
| - | SINGLES | SIZE | SINGLES | SIZE | SINGLES | |
| E | DOWN ON KELLY | ТҮРЕ | DOWN ON KELLY | ТҮРЕ | DOWN ON KELLY | |
| Ε | TOTAL DEPTH | MAKE | TOTAL DEPTH | MAKE | TOTAL DEPTH | |
| MUD RECORD | MUD, ADDITIVES USED AND RECEIVED | MUD RECORD | MUD, ADDITIVES USED AND RECEIVED | MUD RECORD | MUD, ADDITIVES USED AND RECEIVED | |
| 70 150 5 | | 290 330 | Sondy Skale Stratstone Stody Skale Me BACA DOWN Study Stone State | REMARKS- Drilled 3 | TIME BREAKDOWN | |
| | ŚIGN | IED: Toolpusher _ Som | Buit | | 80 w/634 375 v/634 0ft 5 gpn, | |

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eceived <u>by OCD: 12/7/2021 8:11:26</u> 111 - 30-039 - 82308 2-039-07048 95-30-0,39-07043 DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS NORTHWESTERN NEW MEXICO Location: Unit / Sec. /5 Twp 27 Rng 6 **Operator** Name of Well/Wells or Pipeline Serviced CPSH682-W Elevation 650/ Completion Date 8-3/-9/ Total Depth 500 Land Type Casing Strings, Sizes, Types & Depths If Casing Strings are cemented, show amounts & types used If Cement: or Bentonite Plugs have been placed, show depths & amounts used Depths & thickness of water zones with description of water: Fresh, Clear Salty, Sulphur, Etc. /80 Depths gas encountered: None Ground bed depth with type \mathbf{a} -amount of coke=breeze=used: 5001571 485 #2-475 #3-465 5-410 #6-395 #7-260 Depths anodes placed: <u>#8-250</u> #9-225 #10-715 Depths vent pipes placed: From Fare Vent_pipe perforations: From 180 FFR2 41992 Remarks: DIV. OII (If Cany of the above data is unavailable, please indicate sor Copies of all. logs, including Drillers Log, Water Analysess& Well_Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included. Land Type may be shown: FFFederal; I=Indian; SEState; PFFee. If Federal or Indian, add Lease Number.

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| CPS | GROUND | BED | CONSTRUCTION | WORKSHEET. |
|-----|--------|-----|--------------|------------|
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| | 82 " | DIL NAM | 16(1),7 | UMBER. | ···· San | Juan a | 28-6 | # 111 | 95 | 6 | | |
|-------------------|---------------|---------|-------------------|--------|---------------------------------------|--|-------|--------------------|---------------------------------|---------------------------------------|---------------------------------------|---------|
| 10 + H | 4847A - | TOTAL | VOLTB | 2,6 | AMP8 - |) | HM8" | | 31-91 | NAME | Ashur | Th |
| | (8 (not | | | | on log | | | _/ | <u> </u> | | | <u></u> |
| | | | | 4 | | | | | | | | |
| | | 40 | - 190' | | | | | | | | | |
| | | 750 | - 180 F- 180 | | | | | | | | | |
| • | | Ver | F- 180 | -500 | | | | | | | | |
| | | | | | | | | | | 5 | ~ | |
| HTGE | · LOG.* | ANODE | DEPTH | | ANODE | DEPTH | | ANODE | DEPTH | | ANODE | <u></u> |
| | ANODE | · • | | ANODE | Henri t | ž. | ANODE | | 547 1 | ANODE | ** | ł |
| 100 | | | 295 | 17 | | 490 | 7.6 | | 685 | | | · |
| 105 | | | 300 | 15 | | 495 | 2,0 | | 690 | | · · | |
| 110 | | | 305 | .5 | | 500 | 70-50 | 0' | 695 | | | |
| 115 | | | 310 | .7 | | 505 | | | 700 | | | |
| 120 | | | 315 | .5 | | 510 / | | | ANODE | DEPTH | NO | FULL |
| 125 | · | | 320 | ,5 | | 515 | | ÷ | × ₩ ∞u | | COKE | COK |
| 130 | | | 325 | -5- | | 520 | | | <u> </u> | 485 | 2.1 | 5. |
| 135 | | | <u>330</u> 335 | | | <u>525 ° </u> | | | 2 3 | 475 | 1.9 | 5.4 |
| <u>140</u> 145 | | | 340 | -,5 | | 535 | | | 4 | 420 | 2.0 | 4.9 |
| 150 | | | 345 | | 1 | 540 | | | × 5 | 410 | 1.6 | 4.8 |
| 155 | | | -350 | -6 | | 545 | | | 6-39 | 5400 | 1,9 | 4.2 |
| 160 | | | 355 | 1.1 | | 550 | | | ~ 7 | 260 | 1,9 | 5, |
| 165 | | | -360 | . 7 | | 555 | | | 2 8 H | 250 | 2.6 | 6.6 |
| 170 | | | 365 | 5 | | 560 | | | 9 | 7.25 | 15 | 5.5 |
| 175 | | | 370 | | | 565 | | | 10 | 215 | 1.7 | 5 |
| 180 | | | 375 | -+ 4/- | | 570 | | | 11 | 205 | 1.7 | 5, |
| 185 7 | .865 | | 380 | | | 575 | | | -12 | 195 | 2.3 | 6.7 |
| 190 | 2,5 | TZ | 385 | | | <u>580</u> 585 | | | 13- | · | }· | · |
| <u>195</u> 200 | 2,1 | | 395 | 1,5 | 6 | 590 | | | <u>-,14 ~</u> <u>- 15 ``</u> | | | ·{· |
| 205 | 1.7 | | 400 | 1.6 | | - 595 | | | -16 | · | · {· | · |
| 210 | 1.6 | | 405 | LZ | | -600 | • | 2 | 17 | 1 | · · · · · · · · · · · · · · · · · · · | ·1 |
| 215 | 110 | 10 | 410 | 1.5 | 5 | 605 | | t Ser | 18 | | | 1 |
| 220 | 1.3 | | 415 | 46 | | 610 | | 27 | 19 | | | |
| 225 | 1,5 | 9 | <u>~420</u> | 2,2 | 4 | 615 | | | _20 | | | |
| 230 | 43 | | <u>425</u> | 44 | | 620 | | | 21 | | . | - |
| 235 | 1.3- | | 430 | 1.0 | | <u>*625</u> ** | | | 22 | · | • | •] |
| 240 | 1.2- | Ø | <u>435</u> 440 | 1,0 | · · · · · · · · · · · · · · · · · · · | <u>°630</u> 635 | | | <u>23</u> 24 | · | | -\ |
| 245 250 | 23 | 68 | 440 | .9 | | 640 | | 1997) 3 1997) 3 | -25 | · · · · · · · · · · · · · · · · · · · | - | • |
| 255 | 2,6- | | 450 | 1.0 | | 645 | | 2 | 26 | ••• | · | - |
| 260 | 1,9 | \$.7 | 455 | 11 | · · · · · · · · · · · · · · · · · · · | 650 | | 2 | 27 | · | | - |
| 265 | 1.5 | 1 | 460 | 12 | | 655 | | | 28 - | 1 | | |
| 270 | 1.3 | Ø | 465 | 1,9 | 3 | 660 | | <u>а.</u> | -29 - | 1 | | -1 |
| 275 | 1.2 | | 470 | 2.1 | | 665 | | 2 7 44 | 30 | | | |
| 30 | 9 | | 475 | 1.9 | 2 | 670 | · | 2' 94. 3. | | ļ. | | _ |
| 285 | -7 | | 480 | 19 | · · · · · · · · · · · · · · · · · · · | 675 | | | <u> </u> | | | - |
| 290 | | , 1 | 2485 | 2,0 | 3/ | \$680¤ | • | | | E. | 510.5 | ×. |

DISTRIBUTION - Original - permanent CPS FILE COPY - Division Corrosion Supervisor - Region Corrosion Specialist

| by OCD: 12/7/2021 8:11:26 AN | | ANALYSIS REPO | OF | 682U | / | Pag |
|------------------------------------|---------------|----------------|--|--------------|-------------|-----------------------------|
| Laboratory No. 2.591090 Company | VAN OIL | | Sample No. | Date Sampled | 1 | |
| Field | Legal Descrip | tion 5 27-6 | County or Parish Rio Arr | State | l. nl. | |
| Lease or Unit | Well 5528-67 | Depth | Formation Water Toph | Water, B/D | <u></u> | TECH, Inc. |
| Type of Water (Produced, Supply | r, etc.) | Sampling Point | BEDFORC.F | Sampled By | RTH | 333 East Main Farmington |
| DISSOLVED SOLIDS | | OTHER PR | | | | New Mexico 87401 |
| CATIONS | mg/l me. | pri | | | 7.8 | 505/327-3311 |
| Sodium, Na (calc.) Calcium, Ca | <u> </u> | | avity, 60/60 F. (ohm-meters) 72 F. | | 3:15 | |
| Magnesium, Mg | 0 | 7 | · · · · · · · · · · · · · · · · · · · | | | |
| Barium, Ba | | | | - - | | |
| | | | | | | |
| ANIONS | | | Total Dissolved Sol | lids (calc.) | 500. | |
| Chloride, Cl | | 2 | Iron, Fe (total) | | | |
| Sulfate, So₄ Carbonate, CO₃ | 2200 47 | | Sulfide, as H ₂ S | | | |
| Bicarbonate, HCO ₃ | 65 1.1 | <u> </u> | | | | |
| | | REMARKS | & RECOMMENDATIONS: | | | |
| | | | | | | |
| 25 20 · | 5 10 5 | Q 5 | 1,0 1,5 | 20 | 2 5 10 | |
| N 9 20 | | | | | 10 | ^ |
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| C • | | | | | HC03 | |
| | | | | | | |
| Mg | | ++++ | | | 504 | |
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| Fo. <u>1</u> | | | | | <u>co</u> 3 | |
| Date Received | Preserved / | Date Analyze | ed / | Analyzed B | /] | |
| 9/9/91 | No | a/1 | 9-12/91 | E | | |

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| Elevation <u>6462'</u> Completion Date <u>7/14/81</u> Total Depth <u>460'</u> Land Type* Casing, Sizes, Types & Depths <u>N/A</u> | If Casing | is cemented, sh | low amounts | & types us | edN | I/A |
|--|---|--|--|---|---|-------------------------------|
| | | is cemented sh | NOW amounts | £ types us | | |
| Elevation <u>6462</u> 'Completion Date <u>7/14/81</u> Total Depth <u>460'</u> Land Type* | Casing, S | izes, Types & De | pths | N/A | <u></u> | |
| | Elevation | _ <u>6462'</u> Completion | Date 7/14/81 | Total De | pth <u>460'</u> Lan | d Type*_ |
| c | | | | | | cį |
| | Name of W | Vell/Wells or Pig | oeline Servi | ced SAN | JUAN 28-6 UNII | :#27A , # |
| Name of Well/Wells or Pipeline Serviced SAN_JUAN 28-6 UNIT #27A, # | Name of W | Vell/Wells or Pir | eline Servi | ced SAN | JUAN 28-6 UNIT | #27A, / |
| | Name of W | Vell/Wells or Pip | oeline Servi | ced SAN | JUAN 28-6 UNIT | #27A, |
| | Name of W | Vell/Wells or Pip | eline Servi | ced SAN | JUAN 28-6 UNII | '#27A , |
| | UI W | CIT METTS OL LIE | Serine Servi | .ceu <u>SAN</u> | JUAN 20-0 UNIT | |
| | | | | | | _ |
| | | | | | | |
| | Elevation | Completion | Date <u>7/14</u> /81 | Total De | pth <u>460'</u> Lan | d Type' |
| Elevation 6/62 Completion Date 7/1//21 Total Donth /60! Tand Total | | | | | | ~ TXbe. |
| Elevation <u>6462</u> Completion Date <u>7/14/81</u> Total Depth <u>460</u> Land Type | Casing, S | izes, Types & De | epths | N/A | | |
| | If Casing | is cemented, sh | low amounts | & types us | edN | 1/A |
| Casing, Sizes, Types & DepthsN/A | ii casing | is cemented, sh | low amounts | « cypes us | eu | 1/13 |
| | | | | | | |
| Casing, Sizes, Types & DepthsN/A | | | | | | |
| Casing, Sizes, Types & Depths <u>N/A</u> If Casing is cemented, show amounts & types used <u>N/A</u> | If Comont | or Bentonita Di | lige have he | en placed | chour donthe | £ 2m0 |
| Casing, Sizes, Types & DepthsN/A If Casing is cemented, show amounts & types usedN/A | If Cement | or Bentonite Pl | ugs have be | en placed, | show depths | & amour |
| Casing, Sizes, Types & DepthsN/A If Casing is cemented, show amounts & types usedN/A | If Cement | | ugs have be | en placed, | show depths | & amour |
| Casing, Sizes, Types & Depths <u>N/A</u> If Casing is cemented, show amounts & types used <u>N/A</u> If Cement or Bentonite Plugs have been placed, show depths & amour <u>N/A</u> | | N/A | | | | |
| Casing, Sizes, Types & Depths <u>N/A</u> If Casing is cemented, show amounts & types used <u>N/A</u> If Cement or Bentonite Plugs have been placed, show depths & amoun <u>N/A</u> Depths & thickness of water zones with description of water when p | Depths & | N/A thickness of wat | er zones wi | th descrip | tion of water | when p |
| Casing, Sizes, Types & Depths <u>N/A</u> If Casing is cemented, show amounts & types used <u>N/A</u> If Cement or Bentonite Plugs have been placed, show depths & amoun <u>N/A</u> Depths & thickness of water zones with description of water when p | Depths & | N/A thickness of wat | er zones wi | th descrip | tion of water | when p |
| Casing, Sizes, Types & Depths <u>N/A</u> If Casing is cemented, show amounts & types used <u>N/A</u> If Cement or Bentonite Plugs have been placed, show depths & amoun <u>N/A</u> Depths & thickness of water zones with description of water when p | Depths & | N/A thickness of wat | er zones wi | th descrip | tion of water | when p |
| Casing, Sizes, Types & Depths <u>N/A</u> If Casing is cemented, show amounts & types used <u>N/A</u> If Cement or Bentonite Plugs have been placed, show depths & amoun <u>N/A</u> Depths & thickness of water zones with description of water when p | Depths & | N/A thickness of wat | er zones wi | th descrip | tion of water | when p |
| Casing, Sizes, Types & DepthsN/A If Casing is cemented, show amounts & types usedN/A If Cement or Bentonite Plugs have been placed, show depths & amoun | Depths & Fresh, Cl | N/A thickness of wat ear, Salty, Sulp | er zones wi hur, Etc | th descrip | tion of water | when p |
| Casing, Sizes, Types & Depths <u>N/A</u> If Casing is cemented, show amounts & types used <u>N/A</u> If Cement or Bentonite Plugs have been placed, show depths & amoun <u>N/A</u> Depths & thickness of water zones with description of water when p Fresh, Clear, Salty, Sulphur, Etc. <u>130' SAMPLE WOULD NOT SETT</u> Depths gas encountered: <u>N/A</u> | Depths & Fresh, Cl Depths ga | N/A | er zones wi bhur, Etc N/A | th descrip 130 | tion of water ' SAMPLE WOULD | when p |
| Casing, Sizes, Types & Depths <u>N/A</u> If Casing is cemented, show amounts & types used <u>N/A</u> If Cement or Bentonite Plugs have been placed, show depths & amour <u>N/A</u> Depths & thickness of water zones with description of water when p Fresh, Clear, Salty, Sulphur, Etc. <u>130' SAMPLE WOULD NOT SET</u> | Depths & Fresh, Cl Depths ga | N/A | er zones wi bhur, Etc N/A | th descrip 130 | tion of water ' SAMPLE WOULD | when p |
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| Casing, Sizes, Types & Depths <u>N/A</u> If Casing is cemented, show amounts & types used <u>N/A</u> If Cement or Bentonite Plugs have been placed, show depths & amoun <u>N/A</u> Depths & thickness of water zones with description of water when p Fresh, Clear, Salty, Sulphur, Etc. <u>130' SAMPLE WOULD NOT SET</u> Depths gas encountered: <u>N/A</u> | Depths & Fresh, Cl Depths ga Type & am Depths and | N/A thickness of wat ear, Salty, Sulp s encountered: ount of coke bre odes placed: <u>430'</u> | er zones wi hur, Etc N/A eze used: , 420', 410', | th descrip 130 | tion of water ' SAMPLE WOULD 0 1bs. 380', 360', 345' | when p NOT SETT |
| Casing, Sizes, Types & Depths N/A | Depths & Fresh, Cl Depths ga Type & am Depths an Depths ve | N/A thickness of wat ear, Salty, Sulp s encountered: ount of coke bre odes placed: <u>430'</u> nt pipes placed: | er zones wi hur, Etc N/A eze used: , 420', 410', 452' | th descrip 130 | tion of water ' SAMPLE WOULD 0 1bs. 330', 360', 345' | when p NOT SET |
| Casing, Sizes, Types & Depths <u>N/A</u> If Casing is cemented, show amounts & types used <u>N/A</u> If Cement or Bentonite Plugs have been placed, show depths & amoun <u>N/A</u> Depths & thickness of water zones with description of water when p Fresh, Clear, Salty, Sulphur, Etc. <u>130' SAMPLE WOULD NOT SET</u> Depths gas encountered: <u>N/A</u> Cype & amount of coke breeze used: <u>5500 lbs.</u> Depths anodes placed: <u>430', 420', 410', 400', 390', 380', 360', 345', 330'</u> | Depths & Fresh, Cl Depths ga Type & am Depths an Depths ve | N/A thickness of wat ear, Salty, Sulp s encountered: ount of coke bre odes placed: <u>430'</u> nt pipes placed: | er zones wi hur, Etc N/A eze used: , 420', 410', 452' | th descrip 130 | tion of water ' SAMPLE WOULD 0 1bs. 330', 360', 345' | when j NOT SET ', 330', |
| Casing, Sizes, Types & Depths <u>N/A</u> If Casing is cemented, show amounts & types used <u>N/A</u> If Cement or Bentonite Plugs have been placed, show depths & amour <u>N/A</u> Depths & thickness of water zones with description of water when p Fresh, Clear, Salty, Sulphur, Etc. <u>130' SAMPLE WOULD NOT SET</u> Depths gas encountered: <u>N/A</u> Cype & amount of coke breeze used: <u>5500 lbs.</u> Depths anodes placed: <u>430', 420', 410', 400', 390', 380', 360', 345', 330',</u> Depths vent pipes placed: <u>452'</u> | Depths & Fresh, Cl Depths ga Type & am Depths and Depths ver | N/A thickness of wat ear, Salty, Sulp s encountered: ount of coke bre odes placed: <u>430'</u> nt pipes placed: perforations: | er zones wi hur, Etc N/A eze used: 420', 410', 452' 340' | th descrip 130 550 400', 390', | tion of water ' SAMPLE WOULD 0 1bs. 330', 360', 345' DECEN MAY 31 1 | when p NOT SET |

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

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*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee. If Federal or Indian, add Lease Number.

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WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG

| Drilling Log (Attach Hereto). | () "×60" } | Durio N) | C | , mpletion Dat | e_7/14 | /81 |
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| Well :.arveS.J. 28-6 27 A | Location | | | CPS No. | | ······ |
| S.J. 28-6 84 | SE 1- | 5-27-6 | | | 609 W | -21-50-20 |
| Type & Size Bit User 3/4 " | | | | | | 9-50-20 |
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| # 1 430 # 2 420 - 3 410 . Anode Output (Amos) | 4 400 5340 | 0380 | 360 | <u> </u> | 1 330 | × 10 5/5 |
| 2 1 3.2 2 2.9 3 3.1 | 4 3. 4 5 3. 3 | - 6 3.0 | -733 | 8 2.9 | 9 2.7 | # 10 3.3 |
| * 11 * 12 * 13 | : 14 - 15 | # 16 | | 18 | ⇒ 19 | # 20 |
| Anode Output (Amps) # 11 # 12 # 13 | · 14 [5 | | · · 17 | i 1. 1.: 18 | i = 19 | # 20 |
| Total Circuit Resistance | | # 16 No. 8 C.P. Cak | le Used | | 110. 2 C.P. Co | |
| Volts (2.2 Amps /5.2 | | | | | <u> </u> | |
| Remarks: STATIE ON S.S : | 28-6 27A 6 | 00 N: 8- | 5 V. S | TATIC | ON S.J. | 28-6 84 |
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| | = 118 30-039-07018 29 36-039-07001 |
| ца. | DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS NORTHWESTERN NEW MEXICO (Submit 3 copies to OCD Aztec Office) |
| | 9 Operator Union Oil Company of California Location: Unit Sec. 22 Twp27N Rng 6W |
| 蒙 | Name of Well/Wells or Pipeline Serviced <u>Rincon Unit #118 PC, Rincon Unit #29 MV</u> and Rincon #181 DK |
| | Elevation <u>6570'</u> Completion Date <u>11-29-1965</u> Total Depth <u>360'</u> Land Type* F Casing, Sizes, Types & Depths <u>None</u> |
| •••, | If Casing is cemented, show amounts & types used None |
| 考 | If Cement or Bentonite Plugs have been placed, show depths & amounts used MAY 09 1990 None |
| - | Depths & thickness of water zones with description of water managements possible: Fresh, Clear, Salty, Sulphur, Etc. 85'-95' 10' thick |
| | Depths gas encountered: NA |
| | Type & amount of coke breeze used: Type unknown 5175 lbs Depths anodes placed: 191' - 283' Depths vent pipes placed: 201' Vent pipe perforations: ? |
| | Remarks: El Paso Natural Gas was the operator when this ground be was installed First ground bed installed. |
| | If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included. |
| | *Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee. If Federal or Indian, add Lease Number. |

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Received by OCD: 12/7/2021 8:11:26 AM Page 40 of 152 Form 7-238 (7:63) WELL CASING CATHUDIC PROTECTION CONSTRUCTION REPORT DAILY LOG 1 = 200' Date 11-29-65 CPS No. 696 M con # 118, #29 \$ # 181 Work Order No. 5344 2500 -50-20 184. 22-27-6 Total Drilling Rig Time Type & Size Bit Used Sacks Mud 778"-886216 23/2 0 1.5 =360 ks Lost Circulation Mat'l Used 9 197 191 10 78 203 Ó #6 215 # 1 #2 277 # 3 #4 265 #5 259 Total Lbs. Coke Used An # 5.8 4.5 10- 3.8 5 #5 4.3 #6 3.8 # 2 3.6 # 3 # 4 3.8 4,8 No. Ft. Surface Cable Conduit Circuit Resistance 40 Ohms 1.0~ Volts Åmps 11.5 Drilling Log (Attach Hereto). (OHS) = .74.64 (Phelps) 4118= #181= 600'55 600 Remarks; 201 -4 16s 10 # 10 Al NOO C0.50 30 ZNEG l Construction Completed 0-35 (Signature) GROUND BED LAYOUT SKETCH Meter Ampi Mete 3310 #8 W.RE # 118 1. N. M. 2#8le Original & 1 Copy All Reports Released to Imaging: 1/6/2022 4:13:59 PM

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| | 29-30-039-07001 | | Ì |
| | DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECT NORTHWESTERN NEW MEXICO (Submit 3 copies to OCD Aztec Office) | 'ION WELLS | ; |
| | Operator Union Oil Company of California Location: Unit Se | c. <u>22</u> Twp2 | 7N Rng 6W |
| | Name of Well/Wells or Pipeline Serviced <u>Rincon #118 PC Ri</u> Rincon #181 DK | incon #29 MV | <u>and</u> |
| | Elevation <u>6570</u> Completion Date <u>5/13/1974</u> Total Depth <u>580</u> | Land Type | * |
| ¥., | Casing, Sizes, Types & Depths <u>None</u> | | |
| | , If Casing is cemented, show amounts & types used <u>None</u> | ************************************** | |
| e 41 | If Cement or Bentonite Plugs have been placed, show dept | hs & amou | nts used , |
| , | None | | ، 1999 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 - 1990 |
| | Depths & thickness of water zones with description of wa Fresh, Clear, Salty, Sulphur, Etc. <u>220' Deep Thickness?</u> | | possible: |
| | Depths gas encountered: | ECE | WER. |
| | Type & amount of coke breeze used: Type unknown 9800 lbs | MAY 0 0 19 | 30-00- |
| '* <u>.</u> | · · · · · · · · · · · · · · · · · · · | | DIVoj |
| | Depths vent pipes placed: ? | DIST. 3 | |
| | Vent pipe perforations: 297' Remarks: El Paso Natural Gas was the operator at the time this ground | d bed was in | stalled. |
| | Second ground bed installed on this location. | | |
| | If any of the above data is unavailable, please indicate logs, including Drillers Log, Water Analyses & Well Bore be submitted when available. Unplugged abandoned wells | Schemati | cs should |
| | *Land Type may be shown: F-Federal; I-Indian; S-State; If Federal or Indian, add Lease Number. | P-Fee. | |
| | | | • |

•

Received by OCD: 12/7/2021 8:11:26 AM Page 43 of 152 Located 'Form 7-238 (Rev. 1-69) WELL CASING CATHODIC PROTECTION CONSTRUCTION REPORT DAILY LOG 5/23/74 Completion Date Drilling Log (Attach Hereto). Well Name CPS No. Location Rincon - 27N-6W 696 h NF 22 Type & Size Bit Used .50-20 Wytk8%feu15.3449,19 // /4 184-52500.19-50-20 NO. 80% 5 NS d 40 2 2 . 19 - 50 Total Lbs. Coke Used 9. 800 Anode Hole Depth Total Drilling Rig Time Lost Circulation Mat⁴l Used Anode Depth * 3 355 = 4 3 45 = 5 330 = 6 305 = 7 295 = 8 2 85 = 9 275 = 10 265 # 2 **4** Anode = 5 3.0 = 6 3.1 = 7 3.3 = 8 3.5 ×93.9 # 10 **3.** / 3.4 3.2 = 4 # 2 # 3 # 1 Anode Depth = 15 # 16 # 17 # 18 # 19 # 20 # 11 # 12 # 13 # 14 Anode Output (Amps) # 11 # 12 # 13 = 14 a 15 ≈ 16 * 17 i≕ 18 # 19 ≠ 20 No. 8 C.P. Cable Used No. 2 C.P. Cable Used Total Circuit Resistance 12.0 フフ Ohms 0.93 Volts 17. 2 Amps Remarks: Driller soid wet @ 220 STORT FNJECTION@ WATER STANDING @ 290' AFTER 2 Ars. Logge from 290'. fill with water hog from 220' Water standing on 5/23/74 @ 265 BATEr 16 hus Pumped To Above Water ZONE Wares 2 Lodds Hose Perforated Complete By Slurry 197' VENT # 3.409.00 All Construction Completed 28-80 CAble 75.00 ExTrA DepTh nus Sorrels #3,512.80 140.51 TAX, GROUND BED LAYOUT KETCH #3,653.31 TOTAL #29 dd Bed #2 67' #181 Original & 1 Copy All Reports

Released to Imaging: 1/6/2022 4:13:59 PM

Form 7-1 (Hev. 5-67) Received by OCD: 12/7/2021 8:11:26 AM EL NATURAL Unu QΤ Page 44 of 152 ENGINEERING DEPARTMENT Date: 8 15.4 ß By: 5.5 RECI 45030A G 00 \bigcirc ¥ 90 696 W 7.5 4. Ø 0 X San Series <u>40</u> A) 0) 0 2,0 41. TOTA *L*) 1 12 --0 5 400 \mathcal{O} 7/102 20 1.2 7 22 0 Tr We ク 8 6 3 8 ÷ a カ 3 6 5 3 0 10 T a 90 ď 6 4 9 9 56 10 42 12 38 11 93 13 87 15 71 15 57 17 2 17 46 19 38 9 64 9 67 7 Q Δ 9 40 72 「「「「「「」」 20 20.1 Ò 7 λ Ľ 86 100 Z. 2014222 0 1. 50 30 Ø 5 23-24 瓜 S $\boldsymbol{\Sigma}$ 4 61 5 6 A 1 2 6 $\boldsymbol{\gamma}$ 5 0 2 <u>40</u> 9 V Tod Ċ. Ċ, 2.97 7 Я 3 D 3 4 COKE 70 4:4 1:10 86 3 50 4 6 Ò 4 1.5 7 C :1 9 475 2 3 6 1.4 Z 6 Ø 3 80 8 3 b - 4 60 6 3 1.5 (3) 5 2 3 4 7 6 3 ģ 11 90 5 4 1.6 3 3, 70 -2 3 b 1.3 0 Ì 4 5 3 16 6 (\mathfrak{I}) 1. 3 4 / 6 0 4 5 3 80 3 5 300 7 9 7 2 5/ 4 1 1) 1.6 Ô (i) 2 3 4 8 5 3 6 7 5 1.7 14 1, 2 33 9 8 2 1.3 5 9 90 1 10 1.10 7 3 2 Ò 2 10 9 25 1.4 11 1.3 9 500 20 .93-2 2 11. ZV 12 A 1:5 13 G? 30 D 6 4/ 1. 1.7 -40 20 4 $\langle \mathcal{L} \rangle$ 5 4 1. ·50 1.3 30 6 \mathcal{O} 1.5 1.6 40 60 , 8 1.5 1 24. 21 5 1.7 543 807 5 1231 74 1 50 5 10 1.8 1. . 6.C 7 BoTh 5/22/74 g c 7 5 4 1. にしていた 6 ÷, 5 90 1.0 *

Released to Imaging: 1/6/2022 4:13:59 PM

| DIAMOND CORE DRIL DIAMOND DRILLING GROUTING FOUNDATION TESTIN MINING QUARRYING SHAFT SINKING WATER WELL DRILLI | EQUIPMENT | CONTRACTORS 14991 W. 44TH AVENUE GOLDEN, COLORADO 80401 PHONE (303) 278-9505 | | GENERAL OFFICE 4991 W. 44TH AVENUE Bailey office Call 1-838-4821 |
|---|-----------|---|------------------------|---|
| DrillG | P 670 | | Date 5 | -21-74 |
| Owner | | CPS. | -696W | |
| Location City | | State | County | |
| From | То | Formation | Color | Hardness |
| 0 | 10 | TOP Soil | 13 ratin | SOFT |
| 10 | 30 | CLAY + SAN | Stople TAN | 1 Suft |
| 30 | 40 | 19, 11 | •• •• | Soft |
| 40 | 50 | ShAle | Red | mad |
| 50 | 60 | 11 | Grey | med |
| (j) () | .80 | SANG&C/A | y ZANY | SoFt |
| 80 | 90 | Shale K SA | NH Grey | MRO |
| <u> </u> | 100 | <u>Shale</u> | Grey | tred |
| 100 | 260 | SbAlet S | AND Grey | med |
| 260 | 380 | | | Rod hed |
| 380 | 500 | SAND STON | <u>· 2/204</u> | med |
| 500 | 540 | Shale tSA | No Prey + Br. | med |
| 540 | 580 | Shale, B | 1 U <u>E</u> | Satt |
| | | ······ | | - <u></u> |
| | | | ,,,,,,_,_,_,,_,,,,,,,, | , , , , , , , , , , , , , , , , , , , |
| | | | | <u></u> |
| <u> </u> | | | Water in | yection @ 2 |
| | | | | your contract of the |
| | | | | |
| | | | C.P.S. Time | |
| | n Time | | S.W.W.D.I. Time | |
| Hours Drilling_ | | | Total Footage | ······································ |

| Total Footage | Footage | |
|---------------|---------|--|
|---------------|---------|--|

| Approval of C.P.S. Engineer | (** |
|--------------------------------|---------|
| | |

Hours Drilling_____ Driller _____

Helper_____ Helper _____

ζ.



APPENDIX C

Executed C-138 Solid Waste Acceptance Form

Released to Imaging: 1/6/2022 4:13:59 PM

Received by OCD: 12/7/2021 8:11:26 AM District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. E. English, Hobbs, NM 88240

State of New Mexico Energy Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr.

Form C-138 Revised 08/01/11

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*Surface Waste Management Facility Operator and Generator shall maintain and make this .

| 1220 S. St. Francis Dr., Santa Fe, NM 87505 Santa Fe, NM 87505 | 97057-1125 |
|---|--|
| REQUEST FOR APPROVAL TO ACCEPT S | SOLID WASTE |
| 1. Generator Name and Address: Enterprise Field Services, LLC, 614 Reilly Ave, Farmington NM 87401 | PayKey: RB21200 PM: Dwayne Dixon |
| 2. Originating Site: Lateral K-54 | AFE: N53447 |
| 3. Location of Material (Street Address, City, State or ULSTR): UL C Section 22 T27N R6W; 36.566719, -107.456677 | |
| Source and Description of Waste: Source: Remediation activities associated with a natural gas pipeline leak. Description: Hydrocarbon/Condensate impacted soil associated natural gas pipeline release. Estimated Volume 20 yd/ bbls Known Volume (to be entered by the operator at the end | |
| 5. GENERATOR CERTIFICATION STATEMENT OF WAS | STE STATUS |
| I, Thomas Long Jury, representative or authorized agent for Enterprise Products Operatin Generator Signature certify that according to the Resource Conservation and Recovery Act (RCRA) and the US En regulatory determination, the above described waste is: (Check the appropriate classification) | |
| RCRA Exempt: Oil field wastes generated from oil and gas exploration and production exempt waste. <u>Operator Use Only: Waste Acceptance Frequency</u> Monthly | on operations and are not mixed with non- Weekly Per Load |
| □ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardo subpart D, as amended. The following documentation is attached to demonstrate the abov the appropriate items) | |
| □ MSDS Information □ RCRA Hazardous Waste Analysis □ Process Knowledge □ |] Other (Provide description in Box 4) |
| GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEM | |
| I, Thomas Long June 5-11-2021, representative for Enterprise Products Operating author Generator Signature the required testing/sign the Generator Waste Testing Certification. | |
| I, <u>Gree</u> <u>Crabbres</u> , representative for <u>Envirotech. Inc.</u> representative samples of the oil field waste have been subjected to the paint filter test and teste have been found to conform to the specific requirements applicable to landfarms pursuant to Se of the representative samples are attached to demonstrate the above-described waste conform to 19.15.36 NMAC. | |
| 5. Transporter: Riley Industrial/OFT and Subcontractors | |
| OCD Permitted Surface Waste Management Facility | |
| Name and Facility Permit #: Envirotech Inc. Soil Remediation Facility * Permit #: NM Address of Facility: Hilltop, NM Method of Treatment and/or Disposal: Evaporation Injection Treating Plant I Landfarm La | |
| Waste Acceptance Status: | |
| PRINT NAME: Grassfruce Image: Crassfruce TITLE: Enviro Manage SIGNATURE: Surface Waste Management Facility Authorized Agent TITLE: Enviro Manage SUFface Waste Management Facility Authorized Agent 505-632 | |



APPENDIX D

Photographic Documentation

Closure Report Enterprise Field Services, LLC Lateral K-54 Condensate Drip Riser (4/15/21) Ensolum Project No. 05A1226145



Photograph 1

Photograph Description: View of the release area.



Photograph 2

Photograph Description: View of in-process excavation activities.



Photograph 3

Photograph Description: View of in-process excavation activities.



Closure Report Enterprise Field Services, LLC Lateral K-54 Condensate Drip Riser (4/15/21) Ensolum Project No. 05A1226145



| Photograph 4 Photograph Description: View of in-process excavation activities. | |
|--|--|
| Photograph 5 Photograph Description: View of in-process excavation activities. | |
| Photograph 6 Photograph Description: View of in-process excavation activities. | |

Closure Report Enterprise Field Services, LLC Lateral K-54 Condensate Drip Riser (4/15/21) Ensolum Project No. 05A1226145



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Photograph 7

Photograph Description: View of test pit #1



Photograph 8

Photograph Description: View of test pits #2 and #3.





Photograph Description: View of test pit #3.



Closure Report Enterprise Field Services, LLC Lateral K-54 Condensate Drip Riser (4/15/21) Ensolum Project No. 05A1226145



Photograph 10

Photograph Description: View of the excavation after initial restoration.



Photograph 11

Photograph Description: View of the excavation after initial restoration.



APPENDIX E

Regulatory Correspondence

| From: | Long, Thomas |
|----------|---|
| То: | "Smith, Cory, EMNRD (Cory.Smith@state.nm.us)" |
| Cc: | Stone, Brian |
| Subject: | FW: Lateral K-54 Drip Tank Riser - UL C Section 22 T27N R6W; 36.566719, -107.456677 |
| Date: | Friday, June 25, 2021 6:13:00 PM |

Cory,

This email is to notify you that Enterprise will be collecting soil samples for laboratory analysis Monday, June 28, 2021 at 10:00 a.m. If you have any questions, please call or email.

Thomas J. Long Senior Environmental Scientist Enterprise Products Company 614 Reilly Ave. Farmington, New Mexico 87401 505-599-2286 (office) 505-215-4727 (Cell) tjlong@eprod.com



From: Long, Thomas
Sent: Monday, June 21, 2021 1:17 PM
To: 'Smith, Cory, EMNRD' <Cory.Smith@state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: RE: Lateral K-54 Drip Tank Riser - UL C Section 22 T27N R6W; 36.566719, -107.456677

Cory,

This email is to notify you that Enterprise will be collecting soil samples for laboratory analysis at the Latera K-54 drip riser excavation tomorrow, June 22, 2021 at 10:00 a.m. If you have any questions, please call or email.

Thomas J. Long Senior Environmental Scientist Enterprise Products Company 614 Reilly Ave. Farmington, New Mexico 87401 505-599-2286 (office) 505-215-4727 (Cell) <u>tjlong@eprod.com</u>



From: Smith, Cory, EMNRD <<u>Cory.Smith@state.nm.us</u>>
Sent: Thursday, June 17, 2021 12:22 PM
To: Long, Thomas <<u>tjlong@eprod.com</u>>
Cc: Stone, Brian <<u>bmstone@eprod.com</u>>
Subject: [EXTERNAL] RE: Lateral K-54 Drip Tank Riser - UL C Section 22 T27N R6W; 36.566719,
-107.456677

[Use caution with links/attachments]

Tom,

That is fine.. Has Enterprise considered removing the drip pot as they historically have high levels of integrity issues?

Cory Smith • Environmental Specialist Environmental Bureau EMNRD - Oil Conservation Division 1000 Rio Brazos | Aztec, NM 87410 505.334.6178 x115 | <u>Cory.Smith@state.nm.us</u> http://www.emnrd.state.nm.us/OCD/

From: Long, Thomas <tilong@eprod.com>
Sent: Thursday, June 17, 2021 8:15 AM
To: Smith, Cory, EMNRD <Cory.Smith@state.nm.us>
Cc: Stone, Brian
bmstone@eprod.com>
Subject: [EXT] FW: Lateral K-54 Drip Tank Riser - UL C Section 22 T27N R6W; 36.566719,
-107.456677

Cory,

This email is an update to the Lateral K-54 remediation. As to date, all sample results are below the NMOCD Tier I remediation standards, except the S-14 and the western wall north of S-14. Due to the 10" Drip vessel on the west wall, Entperise would like to backfill the excavation up to the west wall with clean fill material. Then potentially install test pits to determine wester extent of contamination. Test pits are illustrated on the site sketch. After test pits are installed, continue remediation in a manner in which we can support the 10" Drip vessel, as that the current excavation is creating a safety concern. I will keep you informed on the progress. If you have any questions, please call or email.

Thomas J. Long Senior Environmental Scientist Enterprise Products Company 614 Reilly Ave. Farmington, New Mexico 87401 505-599-2286 (office) 505-215-4727 (Cell) <u>tjlong@eprod.com</u>



From: Long, Thomas
Sent: Friday, June 11, 2021 7:26 AM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: RE: Lateral K-54 Drip Tank Riser - UL C Section 22 T27N R6W; 36.566719, -107.456677

Cory,

This email is a notification that Entperise will be collecting soil samples for laboratory analysis on Monday June 14, 2021 at 10:00 a.m. If you have any questions, please call or email.

Thomas J. Long Senior Environmental Scientist Enterprise Products Company 614 Reilly Ave. Farmington, New Mexico 87401 505-599-2286 (office) 505-215-4727 (Cell) tjlong@eprod.com



From: Long, Thomas
Sent: Friday, June 4, 2021 7:38 AM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: FW: Lateral K-54 Drip Tank Riser - UL C Section 22 T27N R6W; 36.566719, -107.456677

Cory,

This email is an update on the remediation activities at the Lateral K-54 Drip Tank Riser excavation. Please see the attached site sketch and lab reports. We are making progress. I will keep you informed as to when are next sampling event is scheduled. If you have any questions, please call or email.

Thomas J. Long Senior Environmental Scientist Enterprise Products Company 614 Reilly Ave. Farmington, New Mexico 87401 505-599-2286 (office) 505-215-4727 (Cell) <u>tjlong@eprod.com</u>



From: Long, Thomas
Sent: Tuesday, June 1, 2021 9:45 AM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: FW: Lateral K-54 Drip Tank Riser - UL C Section 22 T27N R6W; 36.566719, -107.456677

Cory,

The is an email notification that Enterprise will be collecting soil samples for laboratory analysis at the Lateral K-54 Drip Tank Riser excavation tomorrow June 2, 2021 at 10:00 a.m. If you have any questions, please call or email.

Thomas J. Long Senior Environmental Scientist Enterprise Products Company 614 Reilly Ave. Farmington, New Mexico 87401 505-599-2286 (office) 505-215-4727 (Cell) tjlong@eprod.com



From: Long, Thomas
Sent: Tuesday, May 25, 2021 12:43 PM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: FW: Lateral K-54 Drip Tank Riser - UL C Section 22 T27N R6W; 36.566719, -107.456677

Cory,

Please find the attached lab report for the Lateral K-54 excavation. The bottom is below NMOCD Tier I standards. This email is also a notification that Enterprise will be collecting soil samples for laboratory analysis, tomorrow May 26, 2021 at 10:00 a.m. If you have any questions, please call or email.

Thomas J. Long Senior Environmental Scientist Enterprise Products Company 614 Reilly Ave. Farmington, New Mexico 87401 505-599-2286 (office) 505-215-4727 (Cell) tjlong@eprod.com



From: Long, Thomas
Sent: Thursday, May 20, 2021 2:40 PM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: FW: Lateral K-54 Drip Tank Riser - UL C Section 22 T27N R6W; 36.566719, -107.456677

Cory,

This email is an update to the remediation activities at the Lateral K-54 Drip Tank Riser. We have been excavating impacted soil for the past week and we think we may have found bottom. This email also serves as a notification that Enterprise will be collecting a bottom sample for laboratory analysis on Monday, May 24, 2021 at 10:00 a.m. If you have any questions, please call or email.

Thomas J. Long Senior Environmental Scientist Enterprise Products Company 614 Reilly Ave. Farmington, New Mexico 87401 505-599-2286 (office) 505-215-4727 (Cell) tjlong@eprod.com



From: Long, Thomas
Sent: Thursday, April 15, 2021 2:20 PM
To: 'Smith, Cory, EMNRD (Cory.Smith@state.nm.us)' <Cory.Smith@state.nm.us>
Cc: Stone, Brian <bmstone@eprod.com>
Subject: Lateral K-54 Drip Tank Riser - UL C Section 22 T27N R6W; 36.566719, -107.456677

Cory,

This is a notification that Entperise has a release of condensate from a the Lateral K-54 Drip Tank riser on April 9, 2021. Stained soil of an area of approximately three feet in diameter was observed. No staining liquids. No washes were affected. No residences have been affected. We began remediation yesterday and a sizeable amount of contaminated soil has been discovered making the release reportable today. The release is located UL C Section 22 T27N R6W; 36.566719, -107.456677. I will keep you informed as to when we will collect soil samples for analysis. If you have any questions, please call or email.

Thomas J. Long Senior Environmental Scientist Enterprise Products Company 614 Reilly Ave. Farmington, New Mexico 87401 505-599-2286 (office) 505-215-4727 (Cell) tjlong@eprod.com



This message (including any attachments) is confidential and intended for a specific individual and purpose. If you are not the intended recipient, please notify the sender immediately and delete this message.



APPENDIX F

Table 1 – Soil Analytical Summary

ENSOLUM

| | | | | | | | TABLE | 1 | | | | | | |
|--|---------|---|--------------|---------|---------|---------------|-------------|-------------------------|------------|------------|------------|----------------------------|----------|---------|
| | | | | | La | teral K-54 Co | | | 4/15/21) | | | | | |
| | | - | | | | | ANALYTICAL | | | | | | | |
| Sample I.D. | Date | Sample Type | Sample Depth | Benzene | Toluene | Ethylbenzene | Xylenes | Total BTEX ¹ | TPH GRO | TPH DRO | TPH MRO | Total Combined TPH | Chloride | Sulfate |
| | | | | | | | | | | | | (GRO/DRO/MRO) ¹ | | |
| | | C- Composite G - Grab | (feet) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| | | | | | | | | | | | | | | |
| | | & Natural Resource on Closure Criteria | | 10 | NE | NE | NE | 50 | | | | 100 | 600 | NE |
| Composite Soil Samples Removed by Excavation and Transported to the Landfarm for Diposal/Remediation | | | | | | | | | | | | | | |
| S-14 | 6.14.21 | С | 0 to 16 | 0.10 | 1.7 | 0.61 | 6.5 | 8.9 | 180 | <8.4 | <42 | 180 | <60 | NA |
| TP-1a | 6.23.21 | С | 0 to 8 | <0.082 | <0.16 | 0.33 | 3.5 | 3.8 | 83 | 21 | <48 | 104 | <60 | NA |
| Composite Soil Samples Collected from Stockpiled Soils | | | | | | | | | | | | | | |
| SP-1 | 6.17.21 | С | Stockpile | <0.018 | <0.037 | <0.037 | <0.073 | ND | <3.7 | <9.9 | <49 | ND | <7.5 | 24 |
| SP-2 | 6.17.21 | С | Stockpile | <0.029 | <0.057 | <0.057 | <0.11 | ND | <5.7 | <9.8 | <49 | ND | <7.5 | 21 |
| SP-3 | 6.17.21 | С | Stockpile | <0.017 | <0.033 | <0.033 | <0.066 | ND | <3.3 | <9.2 | <46 | ND | <7.5 | 28 |
| | | - | | | | Excavati | on Composit | e Soil Samples | 5 | • | • | | | |
| S-1 | 5.24.21 | С | 14 | <0.017 | <0.034 | <0.034 | <0.069 | ND | <3.4 | <9.0 | <45 | ND | <60 | NA |
| S-2 | 5.26.21 | С | 14 | <0.018 | 0.17 | 0.052 | 0.61 | 0.83 | 6.0 | 14 | <50 | 20 | 95 | NA |
| S-3 | 5.26.21 | С | 13 | 0.021 | 0.21 | 0.058 | 0.68 | 0.97 | 7.1 | 16 | <43 | 23 | 90 | NA |
| S-4 | 6.02.21 | С | 10 | <0.017 | <0.034 | <0.034 | <0.068 | ND | <3.4 | <8.8 | <44 | ND | 83 | NA |
| S-5 | 6.02.21 | С | 8 | <0.018 | < 0.036 | <0.036 | <0.072 | ND | <3.6 | <9.0 | <45 | ND | 65 | NA |
| S-6 | 6.02.21 | С | 0 to 8 | <0.085 | <0.17 | <0.17 | <0.34 | ND | <17 | 33 | <47 | 33 | 140 | NA |
| S-7 | 6.14.21 | С | 12 to 16 | <0.018 | 0.11 | 0.14 | 1.8 | 2.1 | 17 | <8.0 | <40 | 17 | 120 | NA |
| S-8 | 6.14.21 | С | 0 to 11 | <0.014 | <0.028 | <0.028 | <0.056 | ND | <2.8 | <9.7 | <48 | ND | <60 | NA |
| S-9 | 6.14.21 | С | 0 to 12 | <0.015 | <0.030 | <0.030 | <0.060 | ND | <3.0 | <10 | <50 | ND | 120 | NA |
| S-10 | 6.14.21 | С | 0 to 12 | <0.016 | <0.032 | <0.032 | <0.063 | ND | <3.2 | 22 | <48 | 22 | 180 | NA |
| S-11 | 6.14.21 | С | 0 to 12 | <0.015 | <0.031 | <0.031 | <0.061 | ND | <3.1 | <8.6 | <43 | ND | <60 | NA |
| S-12 | 6.14.21 | С | 0 to 12 | <0.018 | <0.036 | <0.036 | <0.072 | ND | <3.6 | <9.4 | <47 | ND | 100 | NA |
| S-13 | 6.14.21 | С | 0 to 16 | <0.073 | <0.15 | <0.15 | <0.29 | ND | <15 | <8.6 | <43 | ND | <60 | NA |
| S-15 | 6.22.21 | С | 0 to 15 | <0.018 | <0.036 | <0.036 | 0.36 | 0.36 | 48 | 24 | <44 | 72 | <61 | NA |
| S-16 | 6.22.21 | С | 0 to 9 | <0.080 | <0.16 | <0.16 | <0.32 | ND | 16 | 9.6 | <47 | 26 | <60 | NA |
| S-17 | 6.22.21 | С | 12 | <0.016 | <0.032 | <0.032 | <0.063 | ND | <3.2 | <9.3 | <46 | ND | 140 | NA |
| S-18 | 6.22.21 | С | 12 | <0.019 | <0.037 | <0.037 | <0.074 | ND | <3.7 | <8.8 | <44 | ND | 140 | NA |
| S-19 | 6.28.21 | С | 0 to 9 | <0.023 | <0.045 | <0.045 | <0.091 | ND | <4.5 | <8.9 | <45 | ND | 160 | NA |
| S-20 | 6.28.21 | С | 0 to 16 | <0.019 | <0.037 | <0.037 | <0.075 | ND | <3.7 | <9.7 | <48 | ND | 160 | NA |

ENSOLUM

| | | | | | La | teral K-54 Co SOIL | TABLE ondensate ANALYTICAL | Tank Riser (| (4/15/21) | | | | | |
|--|---------|---|------------------------|--------------------|--------------------|-------------------------|----------------------------------|------------------------------------|---|------|-----|--|---------------------|--------------------|
| Sample I.D. | Date | Sample Type C- Composite G - Grab | Sample Depth (feet) | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Xylenes (mg/kg) | Total BTEX ¹ (mg/kg) | TPH TPH TPH GRO DRO MRO (mg/kg) (mg/kg) (mg/kg) | | | Total Combined TPH (GRO/DRO/MRO) ¹ (mg/kg) | Chloride (mg/kg) | Sulfate (mg/kg) |
| New Mexico Energy, Mineral & Natural Resources Department Oil Conservation Division Closure Criteria (Tier I) | | | | 10 | NE | NE | NE | 50 | | | | 100 | 600 | NE |
| | | | | | | Т | est Pit Soil S | amples | | | | | | |
| TP-1b | 6.23.21 | С | 9 | <0.084 | <0.17 | <0.17 | <0.34 | ND | <17 | 11 | <50 | 11 | <60 | NA |
| TP-2a | 6.23.21 | С | 0 to 14 | <0.018 | <0.037 | <0.037 | <0.074 | ND | <3.7 | <9.6 | <48 | ND | 81 | NA |
| TP-2b | 6.23.21 | С | 15 | <0.020 | <0.040 | <0.040 | <0.080 | ND | <4.0 | <9.8 | <49 | ND | <60 | NA |
| TP-3a | 6.23.21 | С | 0 to 15 | <0.017 | <0.033 | <0.033 | <0.067 | ND | <3.3 | <9.9 | <50 | ND | 89 | NA |
| TP-3b | 6.23.21 | С | 16 | <0.020 | <0.039 | <0.039 | <0.079 | ND | <3.9 | <9.8 | <49 | ND | 64 | NA |

Note: Concentrations in **bold** and yellow exceed the applicable NM EMNRD Closure Criteria

¹ = Total combined concentrations are rounded to two (2) significant figures to match the laboratory resolution of the individual constituents.

ND = Not Detected above the Practical Quantitation Limits (PQLs) or Reporting Limits (RLs)

NA = Not Analyzed

NE = Not established

mg/kg = milligram per kilogram

BTEX = Benzene, Toluene, Ethylbenzene, and Xylenes

TPH = Total Petroleum Hydrocarbons

GRO = Gasoline Range Organics

DRO = Diesel Range Organics

MRO = Motor Oil/Lube Oil Range Organics



APPENDIX G

Laboratory Data Sheets & Chain of Custody Documentation



May 28, 2021

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX

OrderNo.: 2105A39

Hall Environmental Analysis Laboratory

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

Website: clients.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

RE: Lateral K-54

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 1 sample(s) on 5/25/2021 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 **2105A39**

Date Reported: 5/28/2021

| CLIENT | ENSOLUM | Client Sample ID: S-1 |
|-----------------|--------------|---|
| Project: | Lateral K-54 | Collection Date: 5/24/2021 10:00:00 AM |
| Lab ID: | 2105A39-001 | Matrix: MEOH (SOIL) Received Date: 5/25/2021 7:22:00 AM |

| Analyses | Result | RL (| Qual Units | DF | Date Analyzed | Batch |
|-------------------------------------|--------|--------|------------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst | : VP |
| Chloride | ND | 60 | mg/Kg | 20 | 5/25/2021 8:38:15 AM | 60237 |
| EPA METHOD 8015M/D: DIESEL RANGE OR | GANICS | | | | Analyst | SB |
| Diesel Range Organics (DRO) | ND | 9.0 | mg/Kg | 1 | 5/25/2021 9:53:47 AM | 60236 |
| Motor Oil Range Organics (MRO) | ND | 45 | mg/Kg | 1 | 5/25/2021 9:53:47 AM | 60236 |
| Surr: DNOP | 97.6 | 70-130 | %Rec | 1 | 5/25/2021 9:53:47 AM | 60236 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst | : NSB |
| Gasoline Range Organics (GRO) | ND | 3.4 | mg/Kg | 1 | 5/25/2021 10:01:22 AM | 60213 |
| Surr: BFB | 91.4 | 70-130 | %Rec | 1 | 5/25/2021 10:01:22 AM | 60213 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | : NSB |
| Benzene | ND | 0.017 | mg/Kg | 1 | 5/25/2021 10:01:22 AN | 60213 |
| Toluene | ND | 0.034 | mg/Kg | 1 | 5/25/2021 10:01:22 AM | 60213 |
| Ethylbenzene | ND | 0.034 | mg/Kg | 1 | 5/25/2021 10:01:22 AM | 60213 |
| Xylenes, Total | ND | 0.069 | mg/Kg | 1 | 5/25/2021 10:01:22 AM | 60213 |
| Surr: 4-Bromofluorobenzene | 99.5 | 70-130 | %Rec | 1 | 5/25/2021 10:01:22 AM | 60213 |

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 5

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| Client: | ENSC | DLUM | | | | | | | | | |
|------------|-----------|-------------|--------|-----------|-------------|-----------|-----------|--------------------|------|----------|------|
| Project: | Later | al K-54 | | | | | | | | | |
| Sample ID: | MB-60237 | SampTy | be: ME | BLK | Tes | tCode: EF | PA Method | 300.0: Anion | s | | |
| Client ID: | PBS | Batch I | D: 60 | 237 | F | RunNo: 77 | 623 | | | | |
| Prep Date: | 5/25/2021 | Analysis Da | te: 5/ | 25/2021 | S | SeqNo: 27 | 56623 | Units: mg/K | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | | ND | 1.5 | | | | | | | | |
| Sample ID: | LCS-60237 | SampTy | be: LC | S | Tes | tCode: EF | PA Method | 300.0: Anion | s | | |
| Client ID: | LCSS | Batch I | D: 60 | 237 | F | RunNo: 77 | 623 | | | | |
| Prep Date: | 5/25/2021 | Analysis Da | te: 5/ | 25/2021 | S | SeqNo: 27 | 56624 | 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 | 91.6 | 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

2105A39

28-May-21

WO#:

Released to Imaging: 1/6/2022 4:13:59 PM

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| Page | 67 | of 1: | 52 |
|------|----|-------|----|
|------|----|-------|----|

| WO#: | 2105A39 |
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| | |

28-May-21

| Client: Project: | ENSOLU Lateral K | | | | | | | | | | | | |
|---------------------|-----------------------------|------------|---------------|-----------|---|---------------------|-----------|-------------|------------|------------|------|--|--|
| Sample ID: | MB-60236 | SampT | ype: ME | BLK | Tes | tCode: El | PA Method | 8015M/D: Di | esel Range | e Organics | | | |
| Client ID: | PBS Batch ID: 60236 | | | | F | RunNo: 77627 | | | | | | | |
| Prep Date: | 5/25/2021 | Analysis D | Date: 5/ | 25/2021 | 5 | SeqNo: 2 | 755640 | Units: mg/k | ٢g | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | |
| Diesel Range (| Organics (DRO) | ND | 10 | | | | | | | | | | |
| - | e Organics (MRO) | ND | 50 | | | | | | | | | | |
| Surr: DNOP | | 9.1 | | 10.00 | | 91.4 | 70 | 130 | | | | | |
| Sample ID: | LCS-60236 | SampT | ype: LC | S | Tes | tCode: El | PA Method | 8015M/D: Di | esel Rang | e Organics | | | |
| Client ID: | LCSS | Batch | n ID: 60 | 236 | F | RunNo: 7 | 7627 | | | | | | |
| Prep Date: | 5/25/2021 | Analysis D | Date: 5/ | 25/2021 | S | SeqNo: 2 | 755641 | Units: mg/k | ٢g | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | |
| Diesel Range (| Organics (DRO) | 41 | 10 | 50.00 | 0 | 81.3 | 68.9 | 141 | | | | | |
| Surr: DNOP | | 4.3 | | 5.000 | | 85.4 | 70 | 130 | | | | | |
| Sample ID: | 2105A39-001AMS | SampT | уре: М | 3 | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | | |
| Client ID: | S-1 | Batch | n ID: 60 | 236 | F | RunNo: 7 | 7628 | | | | | | |
| Prep Date: | 5/25/2021 | Analysis D | Date: 5/ | 25/2021 | 5 | SeqNo: 2 | 755798 | Units: mg/k | ٢g | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | |
| Diesel Range (| Organics (DRO) | 44 | 9.9 | 49.46 | 5.829 | 77.6 | 15 | 184 | | | | | |
| Surr: DNOP | | 4.3 | | 4.946 | | 87.4 | 70 | 130 | | | | | |
| Sample ID: | 2105A39-001AMS | D SampT | уре: М | SD | Tes | tCode: El | PA Method | 8015M/D: Di | esel Rang | e Organics | | | |
| Client ID: | S-1 | Batch | n ID: 60 | 236 | F | RunNo: 7 | 7628 | | | | | | |
| Prep Date: | 5/25/2021 | Analysis D | Date: 5/ | 25/2021 | S | SeqNo: 2 | 755799 | Units: mg/k | ٢g | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | |
| Diesel Range (| Organics (DRO) | 45 | 9.4 | 46.95 | 5.829 | 83.1 | 15 | 184 | 1.43 | 23.9 | | | |
| Surr: DNOP | | 4.3 | | 4.695 | | 90.7 | 70 | 130 | 0 | 0 | | | |

Qualifiers:

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

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

RL Reporting Limit

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| Client: | ENSOLUM | М | | | | | | | | | |
|---------------------|-------------|------------|----------|-----------|-------------|-----------|-----------|--------------------|-----------|----------|------|
| Project: | Lateral K- | 54 | | | | | | | | | |
| Sample ID: mb- | 60213 | SampT | ype: ME | BLK | Tes | tCode: EF | PA Method | 8015D: Gaso | line Rang | e | |
| Client ID: PBS | 5 | Batc | h ID: 60 | 213 | F | unNo: 7 | 7631 | | | | |
| Prep Date: 5/2 | 4/2021 | Analysis E | Date: 5/ | 25/2021 | S | eqNo: 2 | 756716 | Units: mg/K | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Orga | anics (GRO) | ND | 5.0 | | | | | | | | |
| Surr: BFB | | 900 | | 1000 | | 90.4 | 70 | 130 | | | |
| Sample ID: Ics-6 | 60213 | SampT | ype: LC | s | Tes | tCode: EF | PA Method | 8015D: Gaso | line Rang | e | |
| Client ID: LCS | S | Batcl | h ID: 60 | 213 | F | lunNo: 7 | 7631 | | | | |
| Prep Date: 5/2 | 4/2021 | Analysis E | Date: 5/ | 25/2021 | S | eqNo: 2 | 756717 | Units: mg/K | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Orga | anics (GRO) | 23 | 5.0 | 25.00 | 0 | 93.5 | 78.6 | 131 | | | |
| Surr: BFB | | 1000 | | 1000 | | 102 | 70 | 130 | | | |

Qualifiers:

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

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

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WO#: 2105A39 28-May-21

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| Page | 69 | oj | f 152 |
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|------|-----------|----|--------------|

| WO#: | 2105A39 |
|------|---------|
| | |

28-May-21

| Client: ENSO Project: Latera | LUM 1 K-54 | | | | | | | | | |
|---------------------------------|---------------|---------------------------------------|-----------|-------------|----------|----------|-------------|------|----------|------|
| Sample ID: mb-60213 | BLK | TestCode: EPA Method 8021B: Volatiles | | | | | | | | |
| Client ID: PBS | Batc | Batch ID: 60213 | | | RunNo: 7 | 7631 | | | | |
| Prep Date: 5/24/2021 | Analysis [| Analysis Date: 5/25/2021 | | | SeqNo: 2 | 756760 | 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: 4-Bromofluorobenzene | 1.0 | | 1.000 | | 102 | 70 | 130 | | | |
| Sample ID: LCS-60213 | Samp | Туре: LC | S | Tes | | | | | | |
| Client ID: LCSS | Batc | h ID: 60 | 213 | F | RunNo: 7 | 7631 | | | | |
| Prep Date: 5/24/2021 | Analysis [| Date: 5/ | 25/2021 | S | SeqNo: 2 | 756761 | Units: mg/K | g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.97 | 0.025 | 1.000 | 0 | 97.2 | 80 | 120 | | | |
| Toluene | 0.98 | 0.050 | 1.000 | 0 | 98.5 | 80 | 120 | | | |
| | 0.97 | 0.050 | 1.000 | 0 | 96.8 | 80 | 120 | | | |
| Ethylbenzene | 0.01 | | | | | | | | | |
| Ethylbenzene Xylenes, Total | 2.9 | 0.10 | 3.000 | 0 | 97.9 | 80 | 120 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical 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 5

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| HALL ENVIRONMENTAL ANALYSIS LABORATORY | | Hall Environmenta Al TEL: 505-345-397 Website: clients.h | 4901 buquerqu 5 FAX: 5 | Hawkins NE 1e, NM 87109 505-345-4107 | Sa | Sample Log-In Check List | | | |
|---|---|---|------------------------------|--|------------------------|---|------------|--|--|
| Client Name: | ENSOLUM | Work Order Numbe | r: 2105/ | A39 | | RcptNo: 1 | | | |
| Received By: | Juan Rojas | 5/25/2021 7:22:00 AM | 1 | 4 | Wan Sa J | | | | |
| Completed By: Reviewed By: | Cheyenne Cason NB 5/25/21 | 5/25/2021 7:35:19 AN | 1 | C | pawang fenl | | | | |
| Chain of Cus | stody | | | | | | | | |
| 1. Is Chain of C | ustody complete? | | Yes | \checkmark | No 🗌 | Not Present | | | |
| 2. How was the | sample delivered? | | Courie | er | | | | | |
| Log In 3. Was an atten | npt made to cool the sample: | s? | Yes | ✓ | No 🗌 | NA 🗌 | | | |
| 4. Were all sam | ples received at a temperatu | re of >0° C to 6.0°C | Yes | ~ | No 🗌 | | | | |
| 5. Sample(s) in | proper container(s)? | | Yes [| ~ | No 🗌 | | | | |
| 6. Sufficient sam | ple volume for indicated test | :(s)? | Yes | | No 🗌 | | | | |
| 7. Are samples (| except VOA and ONG) prop | erly preserved? | Yes | / | No 🗌 | | | | |
| 8. Was preserva | tive added to bottles? | | Yes | | No 🗹 | NA 🗌 | | | |
| 9. Received at le | ast 1 vial with headspace <1 | /4" for AQ VOA? | Yes [| | No 🗌 | NA 🔽 | | | |
| 0. Were any san | nple containers received bro | ken? | Yes [| | No 🔽 | # of preserved | | | |
| | ork match bottle labels? ancies on chain of custody) | | Yes | | No 🗌 | bottles checked for pH: (<2 or >12 unle | ass noted) | | |
| | correctly identified on Chain of | of Custody? | Yes | / | No 🗌 | Adjusted? | | | |
| 3. Is it clear what | t analyses were requested? | | Yes | | No 🗌 | | | | |
| | ng times able to be met? ustomer for authorization.) | | Yes 💽 | | No 🗌 | Checked by: DD 5 | 125/21 | | |
| pecial Handl | ing (if applicable) | | | | | - | | | |
| | tified of all discrepancies wit | h this order? | Yes [| | No 🗌 | NA 🔽 | | | |
| Person | Notified: | Date: | Pristoria schafters. | | land with instances of | | | | |
| By Who | m: | Via: [| eMail | Phone | Fax | In Person | | | |
| Regardi | ng: | | and and the second of | | | | | | |
| | nstructions: | | | | | | | | |
| 16. Additional rer | narks: | | | | | | | | |
| 7. <u>Cooler Inform</u> Cooler No | 1 | Seal Intact Seal No S | Seal Date | e Sign | ed By | | | | |

Page 1 of 1

| Time: Relinquished by: UI ISU Relinquished by: If necessary, samples submitted to Hall Environmental may be subco | 1:26 11 | | 1-5 S 0001 46/2 | Date Time Matrix Sample Name | email or Fax#: QA/QC Package: Standard Level 4 (Full Validation) Accreditation: Az Compliance NELAC Other | 0 | Mailing Address: Lou S Rio Grande | Page Thient: English La Chain-of-Custody Record |
|--|---------|--|------------------|---|---|------------------|-----------------------------------|--|
| Date Time Date Time $\frac{5}{25}$ Time $\frac{5}{75}$ $\frac{125}{21}$ $\frac{1}{7}$. This serves as notice of | | | 1the Sar Nov Col | # of Cooler Temp(including CF): $a \leq -a \leq c \leq c$ (°C) Cooler Temp(including CF): $a \leq -a \leq c \leq c$ (°C) Container Preservative HEAL No. Type Type $2 \mid c \leq A \leq q$ | Project Manager: | 05A1221145 | Project #: | Turn-Around Time: //しのの □ Standard 対 Rush S - 3 5 - 3/ Project Name: |
| Remarks: Pm Tom Lang $AFE \neq NS3447$ SVV this possibility. Any sub-contracted data will be clearly notated on the analytical report. | | | X | TPH:8015D(G 8081 Pesticid EDB (Method PAHs by 831 RCRA 8 Meta CI) F, Br, NG 8260 (VOA) 8270 (Semi-V | 0 or 8270SIMS als 93, NO ₂₄ PO4, SQ4 | Analysis Request | - A | ANALYSIS LABORATORY |



May 28, 2021

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX

OrderNo.: 2105B39

Hall Environmental Analysis Laboratory

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

Website: clients.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Kyle Summers:

RE: Lateral K 54

Hall Environmental Analysis Laboratory received 2 sample(s) on 5/27/2021 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 Environmental Analysis Laboratory, Inc.

Lab Order 2105B39

Date Reported: 5/28/2021

| CLIENT: | ENSOLUM | Client Sample ID: S-2 |
|-----------------|--------------|---|
| Project: | Lateral K 54 | Collection Date: 5/26/2021 11:00:00 AM |
| Lab ID: | 2105B39-001 | Matrix: MEOH (SOIL) Received Date: 5/27/2021 7:10:00 AM |

| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch |
|--------------------------------------|--------|--------|------------|----|-----------------------|--------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst | : VP |
| Chloride | 95 | 60 | mg/Kg | 20 | 5/27/2021 9:18:36 AM | 60295 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | GANICS | | | | Analyst | : SB |
| Diesel Range Organics (DRO) | 14 | 9.9 | mg/Kg | 1 | 5/27/2021 10:07:28 AM | 60294 |
| Motor Oil Range Organics (MRO) | ND | 50 | mg/Kg | 1 | 5/27/2021 10:07:28 AM | 60294 |
| Surr: DNOP | 108 | 70-130 | %Rec | 1 | 5/27/2021 10:07:28 AM | 60294 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst | : NSB |
| Gasoline Range Organics (GRO) | 6.0 | 3.6 | mg/Kg | 1 | 5/27/2021 9:13:31 AM | A77699 |
| Surr: BFB | 122 | 70-130 | %Rec | 1 | 5/27/2021 9:13:31 AM | A77699 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | : NSB |
| Benzene | ND | 0.018 | mg/Kg | 1 | 5/27/2021 9:13:31 AM | C77699 |
| Toluene | 0.17 | 0.036 | mg/Kg | 1 | 5/27/2021 9:13:31 AM | C77699 |
| Ethylbenzene | 0.052 | 0.036 | mg/Kg | 1 | 5/27/2021 9:13:31 AM | C77699 |
| Xylenes, Total | 0.61 | 0.072 | mg/Kg | 1 | 5/27/2021 9:13:31 AM | C77699 |
| Surr: 4-Bromofluorobenzene | 106 | 70-130 | %Rec | 1 | 5/27/2021 9:13:31 AM | C77699 |

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 1 of 7

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2105B39

Date Reported: 5/28/2021

| CLIENT | ENSOLUM | Client Sample ID: S-3 |
|-----------------|--------------|---|
| Project: | Lateral K 54 | Collection Date: 5/26/2021 11:05:00 AM |
| Lab ID: | 2105B39-002 | Matrix: MEOH (SOIL) Received Date: 5/27/2021 7:10:00 AM |

| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch |
|-------------------------------------|--------|--------|------------|----|-----------------------|---------|
| EPA METHOD 300.0: ANIONS | | | | | Analys | t: VP |
| Chloride | 90 | 60 | mg/Kg | 20 | 5/27/2021 9:31:01 AM | 60295 |
| EPA METHOD 8015M/D: DIESEL RANGE OR | GANICS | | | | Analys | t: SB |
| Diesel Range Organics (DRO) | 16 | 8.7 | mg/Kg | 1 | 5/27/2021 10:17:02 AM | 1 60294 |
| Motor Oil Range Organics (MRO) | ND | 43 | mg/Kg | 1 | 5/27/2021 10:17:02 AN | 1 60294 |
| Surr: DNOP | 121 | 70-130 | %Rec | 1 | 5/27/2021 10:17:02 AM | 1 60294 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analys | t: NSB |
| Gasoline Range Organics (GRO) | 7.1 | 3.8 | mg/Kg | 1 | 5/27/2021 9:37:04 AM | A77699 |
| Surr: BFB | 124 | 70-130 | %Rec | 1 | 5/27/2021 9:37:04 AM | A77699 |
| EPA METHOD 8021B: VOLATILES | | | | | Analys | t: NSB |
| Benzene | 0.021 | 0.019 | mg/Kg | 1 | 5/27/2021 9:37:04 AM | C77699 |
| Toluene | 0.21 | 0.038 | mg/Kg | 1 | 5/27/2021 9:37:04 AM | C77699 |
| Ethylbenzene | 0.058 | 0.038 | mg/Kg | 1 | 5/27/2021 9:37:04 AM | C77699 |
| Xylenes, Total | 0.68 | 0.076 | mg/Kg | 1 | 5/27/2021 9:37:04 AM | C77699 |
| Surr: 4-Bromofluorobenzene | 106 | 70-130 | %Rec | 1 | 5/27/2021 9:37:04 AM | C77699 |

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

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

Page 2 of 7

| Client: | ENSOLU | Μ | | | | | | | | | |
|----------------|-----------|------------|----------|-----------|-------------|------------------|----------|--------------|------|----------|------|
| Project: | Lateral K | 54 | | | | | | | | | |
| Sample ID: MB- | 60295 | SampT | ype: ME | BLK | Tes | tCode: EP | A Method | 300.0: Anion | s | | |
| Client ID: PBS | 5 | Batch | n ID: 60 | 295 | F | RunNo: 77 | 692 | | | | |
| Prep Date: 5/2 | 7/2021 | Analysis D | Date: 5/ | 27/2021 | 5 | SeqNo: 27 | 58472 | Units: mg/K | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | | ND | 1.5 | | | | | | | | |
| Sample ID: LCS | -60295 | SampT | ype: LC | s | Tes | tCode: EP | A Method | 300.0: Anion | s | | |
| Client ID: LCS | S | Batch | n ID: 60 | 295 | F | RunNo: 77 | 692 | | | | |
| Prep Date: 5/2 | 7/2021 | Analysis D | Date: 5/ | 27/2021 | 5 | SeqNo: 27 | 58473 | 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 | 90.9 | 90 | 110 | | | |

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2105B39

28-May-21

WO#:

Pag

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| WO#: | 2105B39 | |
|------|---------|--|
| | | |

28-May-21

| Client: Project: | ENSOLU Lateral K | | | | | | | | | | |
|------------------------------|---------------------|------------|----------------|----------------|-------------|--------------|-----------|--------------|------------|------------|------|
| Sample ID: | LCS-60294 | SampT | ype: LC | s | Tes | tCode: EF | PA Method | 8015M/D: Die | esel Range | e Organics | |
| Client ID: | LCSS | Batch | n ID: 602 | 294 | F | RunNo: 7 | 7689 | | | | |
| Prep Date: | 5/27/2021 | Analysis D | Date: 5/2 | 27/2021 | S | SeqNo: 2 | 757992 | Units: mg/K | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| - | Organics (DRO) | 48 | 10 | 50.00 | 0 | 95.3 | 68.9 | 141 | | | |
| Surr: DNOP | | 5.0 | | 5.000 | | 100 | 70 | 130 | | | |
| Sample ID: | MB-60294 | SampT | ype: ME | BLK | Tes | tCode: EF | PA Method | 8015M/D: Die | esel Range | e Organics | |
| Client ID: | PBS | Batch | n ID: 602 | 294 | F | RunNo: 7 | 7689 | | | | |
| Prep Date: | 5/27/2021 | Analysis D | Date: 5/2 | 27/2021 | S | SeqNo: 2 | 757993 | Units: mg/K | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| - | Organics (DRO) | ND | 10 | | | | | | | | |
| Motor Oil Rang Surr: DNOP | e Organics (MRO) | ND 11 | 50 | 10.00 | | 108 | 70 | 130 | | | |
| | | 11 | | 10.00 | | 100 | 70 | 150 | | | |
| Sample ID: | 2105B39-001AMS | SampT | ype: MS | 5 | Tes | tCode: EF | PA Method | 8015M/D: Die | esel Range | e Organics | |
| Client ID: | S-2 | | n ID: 602 | | F | RunNo: 7 | 7689 | | | | |
| Prep Date: | 5/27/2021 | Analysis D | Date: 5/2 | 27/2021 | S | SeqNo: 27 | 758069 | Units: mg/K | g | | |
| Analyte | | Result | | | SPK Ref Val | | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range (Surr: DNOP | Organics (DRO) | 55 3.9 | 8.7 | 43.48 4.348 | 14.12 | 94.4 90.1 | 15 70 | 184 130 | | | |
| Sull. DNOF | | 3.9 | | 4.340 | | 90.1 | 70 | 130 | | | |
| Sample ID: | 2105B39-001AMS | D SampT | ype: MS | D | Tes | tCode: EF | PA Method | 8015M/D: Die | esel Range | e Organics | |
| Client ID: | S-2 | Batch | n ID: 602 | 294 | F | RunNo: 7 | 7689 | | | | |
| Prep Date: | 5/27/2021 | Analysis D | Date: 5/2 | 27/2021 | S | SeqNo: 27 | 758070 | Units: mg/K | g | | |
| Analyte | | Result | PQL | | SPK Ref Val | | | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range (Surr: DNOP | Organics (DRO) | 51 | 8.2 | 41.22 | 14.12 | 90.3 | 15 | 184 | 7.17 0 | 23.9 | |
| Sull. DNOP | | 4.0 | | 4.122 | | 96.4 | 70 | 130 | 0 | 0 | |
| Sample ID: | MB-60255 | SampT | ype: ME | BLK | Tes | tCode: EF | PA Method | 8015M/D: Die | esel Range | e Organics | |
| Client ID: | PBS | Batch | h ID: 602 | 255 | F | RunNo: 7 | 7689 | | | | |
| Prep Date: | 5/25/2021 | Analysis D | Date: 5/2 | 27/2021 | S | SeqNo: 27 | 758380 | Units: %Red | • | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP | | 12 | | 10.00 | | 115 | 70 | 130 | | | |
| Sample ID: | LCS-60255 | SampT | ype: LC | S | Tes | tCode: EF | PA Method | 8015M/D: Die | esel Range | e Organics | |
| Client ID: | LCSS | Batch | h ID: 602 | 255 | F | RunNo: 7 | 7689 | | - | | |
| Prep Date: | 5/25/2021 | Analysis D | Date: 5/2 | 27/2021 | S | SeqNo: 2 | 758382 | Units: %Red | ; | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| | | ····· | | 5 | 2 | , | | | , D | | ~~~ |

Qualifiers:

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- 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
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Page 4 of 7

| C | Hall Environmental Analysis Laboratory, Inc. | | | | | |
|----------|--|--|--|--|--|--|
| Client: | ENSOLUM | | | | | |
| Project: | Lateral K 54 | | | | | |

| Sample ID: LCS-60255 | SampType: | TestCode: EPA Method 8015M/D: Diesel Range Organics | | | | | | | |
|----------------------|-----------------|---|--------------|----------|----------|-------------|------|----------|------|
| Client ID: LCSS | Batch ID: 60255 | | RunNo: 77689 | | | | | | |
| Prep Date: 5/25/2021 | Analysis Date: | 5/27/2021 | S | SeqNo: 2 | 758382 | Units: %Rec | | | |
| Analyte | Result PC | QL SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP | 5.2 | 5.000 | | 105 | 70 | 130 | | | |

Qualifiers:

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- Analyte detected in the associated Method Blank В
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- Р Sample pH Not In Range
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Released to Imaging: 1/6/2022 4:13:59 PM

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| WO#: | 2105B39 |
|------|---------|
| | |

28-May-21

| Client: Project: | ENSOLUM Lateral K 54 | | | | | | | | | |
|-------------------------------------|-------------------------|-------------------|-----------|-------------|-----------|-----------|-------------|-----------|----------|------|
| Sample ID: mb | Sam | рТуре: М І | BLK | Tes | tCode: EF | PA Method | 8015D: Gaso | line Rang | e | |
| Client ID: PBS | Ba | tch ID: A7 | 7699 | F | unNo: 7 | 7699 | | | | |
| Prep Date: | Analysi | s Date: 5 | /27/2021 | S | eqNo: 2 | 758739 | Units: mg/K | g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organio Surr: BFB | cs (GRO) ND 1000 | | 1000 | | 102 | 70 | 130 | | | |
| Sample ID: 2.5ug | gro Ics Sam | pType: LC | cs | Tes | tCode: EF | PA Method | 8015D: Gaso | line Rang | e | |
| Client ID: LCSS | Ba | tch ID: A7 | 7699 | F | unNo: 7 | 7699 | | | | |
| Prep Date: | Analysi | s Date: 5 | /27/2021 | S | eqNo: 2 | 758740 | Units: mg/K | g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organio | , , | | | 0 | 100 | 78.6 | 131 | | | |
| Surr: BFB | 1100 | | 1000 | | 112 | 70 | 130 | | | |
| Sample ID: 2105b3 | 39-001ams Sam | pType: M | s | Tes | tCode: EF | PA Method | 8015D: Gaso | line Rang | e | |
| Client ID: S-2 | Ba | tch ID: A7 | 7699 | F | unNo: 7 | 7699 | | | | |
| Prep Date: | Analysi | s Date: 5 | /27/2021 | S | eqNo: 2 | 758748 | Units: mg/K | g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organio | cs (GRO) 25 | 3.6 | 18.12 | 6.007 | 106 | 61.3 | 114 | | | |
| Surr: BFB | 1000 | | 724.6 | | 138 | 70 | 130 | | | S |
| Sample ID: 2105b3 | 39-001amsd Sam | pType: M | SD | Tes | tCode: EF | PA Method | 8015D: Gaso | line Rang | e | |
| Client ID: S-2 | Ba | tch ID: A7 | 7699 | F | tunNo: 7 | 7699 | | | | |
| Prep Date: | Analysi | s Date: 5 | /27/2021 | S | eqNo: 2 | 758749 | Units: mg/K | g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organio | . , | | 18.12 | 6.007 | 100 | 61.3 | 114 | 4.03 | 20 | |
| Surr: BFB | 990 | | 724.6 | | 136 | 70 | 130 | 0 | 0 | S |

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- P Sample pH Not In Range

RL Reporting Limit

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| WO#: | 2105B39 |
|------|---------|
| | |

28-May-21

| Client: | ENSOLU | М | | | | | | | | | |
|-------------------|---------------|------------|-----------------|-----------|-------------|-----------|-----------|--------------|-------|----------|------|
| Project: | Lateral K | 54 | | | | | | | | | |
| Sample ID: mb | 1 | Samp | Гуре: МЕ | BLK | Tes | tCode: EF | PA Method | 8021B: Vola | tiles | | |
| Client ID: PB | S | Batc | h ID: C7 | 7699 | F | RunNo: 77 | 7699 | | | | |
| Prep Date: | | Analysis E | Date: 5/ | 27/2021 | S | SeqNo: 27 | 758784 | Units: mg/k | ٤g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | | ND | 0.025 | | | | | | | | |
| Toluene | | ND | 0.050 | | | | | | | | |
| Ethylbenzene | | ND | 0.050 | | | | | | | | |
| Xylenes, Total | | ND | 0.10 | | | | | | | | |
| Surr: 4-Bromofluc | probenzene | 1.0 | | 1.000 | | 103 | 70 | 130 | | | |
| Sample ID: 100 | Ing btex lcs | Samp | Гуре: LC | S | Tes | tCode: EF | PA Method | 8021B: Vola | tiles | | |
| Client ID: LC | SS | Batc | h ID: C7 | 7699 | F | RunNo: 77 | 7699 | | | | |
| Prep Date: | | Analysis [| Date: 5/ | 27/2021 | 5 | SeqNo: 27 | 758785 | Units: mg/k | ίg | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | | 0.99 | 0.025 | 1.000 | 0 | 99.5 | 80 | 120 | | | |
| Toluene | | 1.0 | 0.050 | 1.000 | 0 | 101 | 80 | 120 | | | |
| Ethylbenzene | | 1.0 | 0.050 | 1.000 | 0 | 102 | 80 | 120 | | | |
| Xylenes, Total | | 3.0 | 0.10 | 3.000 | 0 | 102 | 80 | 120 | | | |
| Surr: 4-Bromofluc | probenzene | 1.0 | | 1.000 | | 104 | 70 | 130 | | | |
| Sample ID: 210 |)5b39-002ams | Samp | Гуре: МS | 6 | Tes | tCode: EF | PA Method | 8021B: Volat | tiles | | |
| Client ID: S-3 | } | Batc | h ID: C7 | 7699 | F | RunNo: 77 | 7699 | | | | |
| Prep Date: | | Analysis [| Date: 5/ | 27/2021 | 5 | SeqNo: 27 | 758794 | Units: mg/k | ٢g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | | 0.78 | 0.019 | 0.7645 | 0.02057 | 99.7 | 76.3 | 120 | | | |
| Toluene | | 1.0 | 0.038 | 0.7645 | 0.2085 | 105 | 78.5 | 120 | | | |
| Ethylbenzene | | 0.85 | 0.038 | 0.7645 | 0.05787 | 103 | 78.1 | 124 | | | |
| Xylenes, Total | | 3.1 | 0.076 | 2.294 | 0.6814 | 105 | 79.3 | 125 | | | |
| Surr: 4-Bromofluc | probenzene | 0.85 | | 0.7645 | | 111 | 70 | 130 | | | |
| Sample ID: 210 |)5b39-002amsd | Samp | Гуре: МS | SD | Tes | tCode: EF | PA Method | 8021B: Volat | tiles | | |
| Client ID: S-3 | 5 | Batc | h ID: C7 | 7699 | F | RunNo: 77 | 7699 | | | | |
| Prep Date: | | Analysis [| Date: 5/ | 27/2021 | 5 | SeqNo: 27 | 758795 | Units: mg/k | ٢g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | | 0.78 | 0.019 | 0.7645 | 0.02057 | 98.8 | 76.3 | 120 | 0.853 | 20 | |
| Toluene | | 1.0 | 0.038 | 0.7645 | 0.2085 | 104 | 78.5 | 120 | 1.36 | 20 | |
| Ethylbenzene | | 0.84 | 0.038 | 0.7645 | 0.05787 | 103 | 78.1 | 124 | 0.498 | 20 | |
| Xylenes, Total | | 3.1 | 0.076 | 2.294 | 0.6814 | 104 | 79.3 | 125 | 0.519 | 20 | |
| | probenzene | 0.86 | | 0.7645 | | 112 | 70 | 130 | 0 | 0 | |

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- J Analyte detected below quantitation limits
- P Sample pH Not In Range
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| ived by OCD: 12/7/2021 8:11:26 AM HALL ENVIRONMENTAL ANALYSIS LABORATORY | Hall Environmental Alb TEL: 505-345-3975 Website: clients.ha | 49(uquero FAX: | 1 Hawk ue, NM 505-345 | ins NE 87109 Sar 5-4107 | Pag |
|---|---|-----------------------|-----------------------------|--|--|
| Client Name: ENSOLUM | Work Order Number | 210 | 5B39 | | RcptNo: 1 |
| Received By: Juan Rojas | 5/27/2021 7:10:00 AM | | | Hears & | |
| Completed By: Desiree Dominguez | 5/27/2021 7:41:05 AM | | | Juana g | |
| Reviewed By: JR 5/27/21 | | | | 11-3 | |
| Chain of Custody | | | | | |
| 1. Is Chain of Custody complete? | | Yes | \checkmark | No 🗌 | Not Present |
| 2. How was the sample delivered? | | <u>Cou</u> | ier | | |
| Log In | | | | | |
| 3. Was an attempt made to cool the samples? | | Yes | \checkmark | No 🗌 | NA |
| 4. Were all samples received at a temperature of | f >0° C to 6.0°C | Yes | \checkmark | No 🗌 | NA 🗌 |
| 5. Sample(s) in proper container(s)? | | Yes | \checkmark | No 🗌 | |
| 6. Sufficient sample volume for indicated test(s)? | 2 | Yes | \checkmark | No 🗌 | |
| 7. Are samples (except VOA and ONG) properly | preserved? | Yes | \checkmark | No 🗌 | |
| 8. Was preservative added to bottles? | | Yes | | No 🔽 | NA 🗌 |
| 9. Received at least 1 vial with headspace <1/4" | for AQ VOA? | Yes | | No 🗌 | NA 🗹 |
| 10. Were any sample containers received broken | ? | Yes | | No 🔽 | 1 |
| | | | | | # of preserved bottles checked |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | | Yes | \checkmark | No | for pH: (<2 or >12 unless noted) |
| 12. Are matrices correctly identified on Chain of C | ustodv? | Yes | | No 🗌 | Adjusted? |
| 13. Is it clear what analyses were requested? | | | | No 🗌 | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | | | ✓ | No 🗌 | Checked by: KPG 5/27/ |
| Special Handling (if applicable) | | | | | |
| 15. Was client notified of all discrepancies with th | is order? | Yes | | No 🗌 | NA 🔽 |
| Person Notified: | Date: | hourself | Non-ordered by | G AN & YOM & S AN OWNER STOLEN TO THE AT Y | |
| By Whom: | Via: | eMa | il 🗍 | Phone 🗌 Fax | In Person |
| Regarding | | | | | |
| Client Instructions: | | | | | NUMBER AND DESCRIPTION OF A |
| 16. Additional remarks: | | | | | |
| 17. Cooler Information | | | | | |
| | I Intact Seal No S | eal Da | ite | Signed By | |
| 1 0.4 Good Yes | | | | | |

Page 1 of 1

| Receive | ed by | , OC | D: 12 | 2/7/2 | 021 | 8:1 | 1:26 . | AM | | | | | | 1 | 1 | T | T | 1 | 1 | 1 | 1 | 1 | <u> </u> | 1 | <i>P</i> _ | ige 81 o | f 152 |
|--------------------|---------------------------|---------------|---|------------|-------------|------------------|----------------------|---------------------------|--------------------|---|-----------------|--|---|-------|----------|---|---|---|---|---|---|---|----------|---|-----------------------------|---|--|
| HALL ENVIDONMENTAL | | | 4901 Hawkins NE - Albuquerque, NM 87109 | 10 | Anal | ()1(|)\$ ' [†] ℃ | þą | 827 | or ,, 1 ,, 1 , , , , , , , , , , , , , , , | - ^C | y 83 5 Me 3ر, أ (AO) | EDB (N PAHs b RCRA 8 CI,F E 8260 (V 8270 (S Total C | × | | | | | | | | | | | PM TON LUNG . Jany | Some O | -contracted data will be clearly notated on the analytical report. |
| | | | 01 H | el. 50 | | | | | | | | | 9 1808 P | | | | | | | | | | | | 10 | - | Any sub |
| | | | 49 | Ţ | | | | | | | | | 08:HGT | | X | | | | | | | | | | Remarks: | | sibility. |
| | | | | <u> </u> | | | -208) |) S,{ | 314H | | 38: | | X X X X | X | \times | | | | _ | | - | | | | | 0 | his post |
| Turn-Around Time: | □ Standard □/Rush 5-27-21 | Project Name: | Latural K-SY | Project #: | OSA 1221145 | Project Manager: | L Sumare | Claring is | Sampler: O DAponto | On Ice:Yes No | # of Coolers: j | Cooler Temp(including CF): 0.6-0.220.4(°C) | Container Preservative HEAL No. Type and # Type | 1 | March 1 | 2 | | | | | | ~ | | | Received by: Via: Date Time | Redeived by: Via: Date Time | ries. 1 |
| of-Custody Record | Jun UL | | " lille Shire Charle | 87410 | | | | Level 4 (Full Validation) | Az Compliance | Other | # | | Matrix Sample Name | 5-2 5 | 5-3 5-3 | | | | | | | | | | Relinquished by: | Relinquished by: Records Works Would | samples submitted to Hall Environmental may be subcont |
| Chain-o Chain-o | It: Enso | | ng Address | it A | ie #: | email or Fax#: | A/QC Package: | andard | Accreditation: | D NELAC | □ EDD (Type) | | Time | 1100 | 50/1 | | | | | | | | | | Time: 1 42 § | > Time: \851 | If necessary, |
| Release | Clier of be | Ima | guig | S 1/6 | 202/202 | emai 2 4: | DAD 13:2 | 5 9 | M Accre | | | | Date | 5/36 | 2/2 | | | | | | | | | | Date: | Date |] |



June 10, 2021

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX

OrderNo.: 2106165

Hall Environmental Analysis Laboratory

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

Website: clients.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

RE: Lateral K 54

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 3 sample(s) on 6/3/2021 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 Environmental Analysis Laboratory, Inc.

Lab Order 2106165

Date Reported: 6/10/2021

| CLIENT | ENSOLUM | Client Sample ID: S-4 |
|----------|--------------|--|
| Project: | Lateral K 54 | Collection Date: 6/2/2021 10:00:00 AM |
| Lab ID: | 2106165-001 | Matrix: MEOH (SOIL) Received Date: 6/3/2021 7:55:00 AM |

| Analyses | Result | RL Q | ual Units | DF | Date Analyzed | Batch |
|------------------------------------|---------|--------|-----------|----|----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst | : VP |
| Chloride | 83 | 60 | mg/Kg | 20 | 6/3/2021 9:20:51 AM | 60416 |
| EPA METHOD 8015M/D: DIESEL RANGE O | RGANICS | | | | Analyst | : TOM |
| Diesel Range Organics (DRO) | ND | 8.8 | mg/Kg | 1 | 6/4/2021 11:36:24 AM | 60414 |
| Motor Oil Range Organics (MRO) | ND | 44 | mg/Kg | 1 | 6/4/2021 11:36:24 AM | 60414 |
| Surr: DNOP | 84.2 | 70-130 | %Rec | 1 | 6/4/2021 11:36:24 AM | 60414 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst | : NSB |
| Gasoline Range Organics (GRO) | ND | 3.4 | mg/Kg | 1 | 6/3/2021 11:09:08 AM | 60379 |
| Surr: BFB | 105 | 70-130 | %Rec | 1 | 6/3/2021 11:09:08 AM | 60379 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | : NSB |
| Benzene | ND | 0.017 | mg/Kg | 1 | 6/3/2021 11:09:08 AM | 60379 |
| Toluene | ND | 0.034 | mg/Kg | 1 | 6/3/2021 11:09:08 AM | 60379 |
| Ethylbenzene | ND | 0.034 | mg/Kg | 1 | 6/3/2021 11:09:08 AM | 60379 |
| Xylenes, Total | ND | 0.068 | mg/Kg | 1 | 6/3/2021 11:09:08 AM | 60379 |
| Surr: 4-Bromofluorobenzene | 103 | 70-130 | %Rec | 1 | 6/3/2021 11:09:08 AM | 60379 |

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 7

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2106165

Date Reported: 6/10/2021

| CLIENT | ENSOLUM | Client Sample ID: S-5 |
|----------|--------------|--|
| Project: | Lateral K 54 | Collection Date: 6/2/2021 10:05:00 AM |
| Lab ID: | 2106165-002 | Matrix: MEOH (SOIL) Received Date: 6/3/2021 7:55:00 AM |

| Analyses | Result | RL Q | Qual Units | DF | Date Analyzed | Batch |
|------------------------------------|---------|--------|------------|----|----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst | : VP |
| Chloride | 65 | 60 | mg/Kg | 20 | 6/3/2021 9:33:16 AM | 60416 |
| EPA METHOD 8015M/D: DIESEL RANGE C | RGANICS | | | | Analyst | : ТОМ |
| Diesel Range Organics (DRO) | ND | 9.0 | mg/Kg | 1 | 6/4/2021 11:49:13 AM | 60414 |
| Motor Oil Range Organics (MRO) | ND | 45 | mg/Kg | 1 | 6/4/2021 11:49:13 AM | 60414 |
| Surr: DNOP | 81.6 | 70-130 | %Rec | 1 | 6/4/2021 11:49:13 AM | 60414 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst | : NSB |
| Gasoline Range Organics (GRO) | ND | 3.6 | mg/Kg | 1 | 6/3/2021 11:32:37 AM | 60379 |
| Surr: BFB | 103 | 70-130 | %Rec | 1 | 6/3/2021 11:32:37 AM | 60379 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | : NSB |
| Benzene | ND | 0.018 | mg/Kg | 1 | 6/3/2021 11:32:37 AM | 60379 |
| Toluene | ND | 0.036 | mg/Kg | 1 | 6/3/2021 11:32:37 AM | 60379 |
| Ethylbenzene | ND | 0.036 | mg/Kg | 1 | 6/3/2021 11:32:37 AM | 60379 |
| Xylenes, Total | ND | 0.072 | mg/Kg | 1 | 6/3/2021 11:32:37 AM | 60379 |
| Surr: 4-Bromofluorobenzene | 102 | 70-130 | %Rec | 1 | 6/3/2021 11:32:37 AM | 60379 |

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 7

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2106165

Date Reported: 6/10/2021

| CLIENT: H | ENSOLUM | Client Sample ID: S-6 | |
|------------|--------------|--|----|
| Project: I | Lateral K 54 | Collection Date: 6/2/2021 10:10:00 A | AM |
| Lab ID: 2 | 2106165-003 | Matrix: MEOH (SOIL) Received Date: 6/3/2021 7:55:00 Al | М |

| Analyses | Result | RL Q | Qual Units | DF | Date Analyzed | Batch |
|-------------------------------------|--------|--------|------------|----|----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst | : VP |
| Chloride | 140 | 60 | mg/Kg | 20 | 6/3/2021 9:45:40 AM | 60416 |
| EPA METHOD 8015M/D: DIESEL RANGE OR | GANICS | | | | Analyst | : TOM |
| Diesel Range Organics (DRO) | 33 | 9.4 | mg/Kg | 1 | 6/4/2021 12:02:30 PM | 60414 |
| Motor Oil Range Organics (MRO) | ND | 47 | mg/Kg | 1 | 6/4/2021 12:02:30 PM | 60414 |
| Surr: DNOP | 83.6 | 70-130 | %Rec | 1 | 6/4/2021 12:02:30 PM | 60414 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst | : NSB |
| Gasoline Range Organics (GRO) | ND | 17 | mg/Kg | 5 | 6/3/2021 11:56:10 AM | 60379 |
| Surr: BFB | 112 | 70-130 | %Rec | 5 | 6/3/2021 11:56:10 AM | 60379 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | : NSB |
| Benzene | ND | 0.085 | mg/Kg | 5 | 6/3/2021 11:56:10 AM | 60379 |
| Toluene | ND | 0.17 | mg/Kg | 5 | 6/3/2021 11:56:10 AM | 60379 |
| Ethylbenzene | ND | 0.17 | mg/Kg | 5 | 6/3/2021 11:56:10 AM | 60379 |
| Xylenes, Total | ND | 0.34 | mg/Kg | 5 | 6/3/2021 11:56:10 AM | 60379 |
| Surr: 4-Bromofluorobenzene | 104 | 70-130 | %Rec | 5 | 6/3/2021 11:56:10 AM | 60379 |

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

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| Client: | ENSO | LUM | | | | | | | | | |
|------------|-----------|---------------|--------------|-----------|-------------|-----------|-----------|--------------------|------|----------|------|
| Project: | Latera | l K 54 | | | | | | | | | |
| Sample ID: | MB-60416 | SampTyp | e: ME | BLK | Test | tCode: EF | PA Method | 300.0: Anion | s | | |
| Client ID: | PBS | Batch II | D: 60 | 416 | R | unNo: 7 | 8817 | | | | |
| Prep Date: | 6/3/2021 | Analysis Date | e: 6/ | 3/2021 | S | eqNo: 2 | 765651 | Units: mg/K | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | | ND | 1.5 | | | | | | | | |
| Sample ID: | LCS-60416 | SampTyp | e: LC | S | Test | tCode: EF | PA Method | 300.0: Anion | s | | |
| Client ID: | LCSS | Batch II | D: 60 | 416 | R | unNo: 78 | 8817 | | | | |
| Prep Date: | 6/3/2021 | Analysis Date | e: 6/ | 3/2021 | S | eqNo: 2 | 765652 | 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 | 91.9 | 90 | 110 | | | |

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2106165

10-Jun-21

WO#:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc

| Page | 87 | of 1. | 5 <i>2</i> |
|------|----|-------|------------|
|------|----|-------|------------|

| | WO#: | 2106165 |
|----------|------|-----------|
| ry, Inc. | | 10-Jun-21 |

| Client: Project: | ENSOLU Lateral K | | | | | | | | | | |
|---------------------|---------------------|------------|----------------|-----------|-------------|-----------|-----------|--------------|------------|------------|------|
| Sample ID: I | MB-60414 | SampT | уре: МЕ | BLK | Tes | tCode: El | PA Method | 8015M/D: Die | esel Range | e Organics | |
| Client ID: | PBS | Batch | ID: 604 | 414 | F | unNo: 7 | 8853 | | | | |
| Prep Date: | 6/3/2021 | Analysis D | ate: 6/ | 4/2021 | S | eqNo: 2 | 765917 | Units: mg/K | íg | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Or | ganics (DRO) | ND | 10 | | | | | | | | |
| Motor Oil Range | Organics (MRO) | ND | 50 | | | | | | | | |
| Surr: DNOP | | 8.5 | | 10.00 | | 85.0 | 70 | 130 | | | |
| Sample ID: I | _CS-60414 | SampT | ype: LC | S | Tes | tCode: El | PA Method | 8015M/D: Die | esel Range | e Organics | |
| Client ID: I | LCSS | Batch | ID: 604 | 414 | F | unNo: 7 | 8853 | | | | |
| Prep Date: | 6/3/2021 | Analysis D | ate: 6/ | 4/2021 | S | eqNo: 2 | 765918 | Units: mg/K | (g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Or | ganics (DRO) | 35 | 10 | 50.00 | 0 | 69.5 | 68.9 | 141 | | | |
| Surr: DNOP | | 3.8 | | 5.000 | | 75.5 | 70 | 130 | | | |
| Sample ID: | 2106165-001AMS | SampT | уре: МS | 6 | Tes | tCode: El | PA Method | 8015M/D: Die | esel Range | e Organics | |
| Client ID: | 5-4 | Batch | ID: 604 | 414 | F | tunNo: 7 | 8853 | | | | |
| Prep Date: | 6/3/2021 | Analysis D | ate: 6/ | 4/2021 | S | eqNo: 2 | 765966 | Units: mg/K | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Or | ganics (DRO) | 39 | 9.4 | 47.21 | 6.709 | 69.3 | 15 | 184 | | | |
| Surr: DNOP | | 3.8 | | 4.721 | | 79.7 | 70 | 130 | | | |
| Sample ID: 2 | 2106165-001AMSE | SampT | ype: MS | SD | Tes | tCode: El | PA Method | 8015M/D: Die | esel Range | e Organics | |
| Client ID: | 5-4 | Batch | ID: 604 | 414 | F | tunNo: 7 | 8853 | | | | |
| Prep Date: | 6/3/2021 | Analysis D | ate: 6/ | 4/2021 | S | eqNo: 2 | 765967 | Units: mg/K | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Or | ganics (DRO) | 40 | 10 | 49.85 | 6.709 | 66.5 | 15 | 184 | 1.02 | 23.9 | |
| Surr: DNOP | | 4.1 | | 4.985 | | 81.3 | 70 | 130 | 0 | 0 | |

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

| Page | 88 | of 152 | |
|------|----|--------|--|
|------|----|--------|--|

| | WO#: | 2106165 | |
|--------------------------------------|------|-----------|--|
| ironmental Analysis Laboratory, Inc. | | 10-Jun-21 | |

| | OLUM ral K 54 | | | | | | | | | |
|------------------------------|------------------|----------|-----------|-------------|-----------|-----------|-------------|-----------|----------|------|
| Sample ID: mb-60379 | Samp | Гуре: МЕ | BLK | Tes | tCode: El | PA Method | 8015D: Gasc | line Rang | e | |
| Client ID: PBS | Batc | h ID: 60 | 379 | F | RunNo: 7 | 3826 | | | | |
| Prep Date: 6/1/2021 | Analysis I | Date: 6/ | 3/2021 | S | SeqNo: 2 | 765214 | Units: mg/k | (g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRC |) ND | 5.0 | | | | | | | | |
| Surr: BFB | 1000 | | 1000 | | 104 | 70 | 130 | | | |
| Sample ID: Ics-60379 | Samp | Гуре: LC | S | Tes | tCode: El | PA Method | 8015D: Gasc | line Rang | e | |
| Client ID: LCSS | Batc | h ID: 60 | 379 | F | RunNo: 7 | 8826 | | | | |
| Prep Date: 6/1/2021 | Analysis [| Date: 6/ | 3/2021 | S | SeqNo: 2 | 765215 | Units: mg/k | (g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRC |) 26 | 5.0 | 25.00 | 0 | 105 | 78.6 | 131 | | | |
| Surr: BFB | 1200 | | 1000 | | 116 | 70 | 130 | | | |

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- В Analyte detected in the associated Method Blank
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- Р Sample pH Not In Range
- RL Reporting Limit

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| 2106165 | WO#: |
|-----------|------|
| 10-Jun-21 | |

| Client: | ENSOLUM | |
|----------|--------------|--|
| Project: | Lateral K 54 | |

| 0 1 10 1 00000 | | | | - | | | | | | |
|---|--|--|--|---------------------------------|--|--|---|------|----------|------|
| Sample ID: mb-60379 | Samp | ype: ME | BLK | les | Code: El | PA Method | 8021B: Volat | iles | | |
| Client ID: PBS | Batc | h ID: 60 | 379 | F | unNo: 7 | 8826 | | | | |
| Prep Date: 6/1/2021 | Analysis [| Date: 6/ | 3/2021 | 5 | eqNo: 2 | 765239 | 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: 4-Bromofluorobenzene | 1.0 | | 1.000 | | 102 | 70 | 130 | | | |
| | | | | | | | | | | |
| Sample ID: LCS-60379 | Samp | Гуре: LC | S | Tes | tCode: El | PA Method | 8021B: Volat | iles | | |
| Client ID: LCS-60379 | | Type: LC h ID: 60 : | | | tCode: El tunNo: 7 | | 8021B: Volat | iles | | |
| | | h ID: 60: | 379 | F | | 3826 | 8021B: Volat Units: mg/K | | | |
| Client ID: LCSS | Batc | h ID: 60: | 379 3/2021 | F | tunNo: 7 | 3826 | | | RPDLimit | Qual |
| Client ID: LCSS Prep Date: 6/1/2021 | Batc Analysis [| h ID: 60: Date: 6/ | 379 3/2021 | ٦ S | tunNo: 7 SeqNo: 2 | 3826 765240 | Units: mg/K | g | RPDLimit | Qual |
| Client ID: LCSS Prep Date: 6/1/2021 Analyte | Batc Analysis I Result | h ID: 60: Date: 6/: PQL | 379 3/2021 SPK value | F S SPK Ref Val | 2unNo: 7 3 SeqNo: 2 %REC | 3826 765240 LowLimit | Units: mg/K HighLimit | g | RPDLimit | Qual |
| Client ID: LCSS Prep Date: 6/1/2021 Analyte Benzene | Batc Analysis I Result 0.98 | h ID: 60: Date: 6/: PQL 0.025 | 379 3/2021 SPK value 1.000 | F S SPK Ref Val 0 | 2unNo: 7 SeqNo: 2 %REC 97.5 | 3826 765240 LowLimit 80 | Units: mg/K HighLimit 120 | g | RPDLimit | Qual |
| Client ID: LCSS Prep Date: 6/1/2021 Analyte Benzene Toluene | Batc Analysis I Result 0.98 0.99 | h ID: 60: Date: 6/ PQL 0.025 0.050 | 379 3/2021 SPK value 1.000 1.000 | F S SPK Ref Val 0 0 | RunNo: 7 SeqNo: 2 %REC 97.5 99.3 | 8826 765240 LowLimit 80 80 | Units: mg/K HighLimit 120 120 | g | RPDLimit | Qual |

Qualifiers:

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- D Sample Diluted Due to Matrix
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- 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
- Reporting Limit RL

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| HALL ENVIRONMENTAL ANALYSIS LABORATORY | Hall Environmental A Albuq TEL: 505-345-3975 I Website: clients.hall | 4901 juerqu FAX: 5 | Hawkins NE e, NM 87109 05-345-4107 | San | nple Log-In Cl | neck List |
|---|---|--------------------------|--|-------------------|--|----------------|
| Client Name: ENSOLUM | Work Order Number: | 2106 | 165 | | RcptNo: | 1 |
| Received By: Juan Rojas 6/ | /3/2021 7:55:00 AM | | 4 | lansing | | |
| unitscholzbilliche (1947-4) unitscholzbilliche | /3/2021 8:06:22 AM | | | ianang S-L | 14 C | |
| Reviewed By: JR 6/3/21 | 0/2021 0.00.22 AW | | | Dr-Li | John | |
| Chain of Custody | | | | | | |
| 1. Is Chain of Custody complete? | | Yes | \checkmark | No 🗌 | Not Present | |
| 2. How was the sample delivered? | | Couri | er | | | |
| Log In 3. Was an attempt made to cool the samples? | | Yes | \checkmark | No 🗌 | | |
| 4. Were all samples received at a temperature of | >0° C to 6.0°C | Yes | \checkmark | No 🗌 | | |
| 5. Sample(s) in proper container(s)? | | Yes | | No 🗌 | | |
| 6. Sufficient sample volume for indicated test(s)? | | Yes | \checkmark | No 🗌 | | |
| 7. Are samples (except VOA and ONG) properly pr | eserved? | Yes [| \checkmark | No 🗌 | | |
| 8. Was preservative added to bottles? | | Yes | | No 🔽 | NA | |
| 9. Received at least 1 vial with headspace <1/4" for | r AQ VOA? | Yes | | No 🗌 | NA 🔽 | |
| 10. Were any sample containers received broken? | | Yes | | No 🗹 | # of preserved bottles checked | |
| 11.Does paperwork match bottle labels? (Note discrepancies on chain of custody) | | Yes | \checkmark | No 🗌 | for pH: | 12 unless note |
| 2. Are matrices correctly identified on Chain of Cus | tody? | Yes | \checkmark | No 🗌 | Adjusted? | |
| 13. Is it clear what analyses were requested? | | Yes | \checkmark | No 🗌 | / | 11.0 |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | | Yes | \checkmark | No 🗌 | Checked by: KP | G 6/05/1 |
| Special Handling (if applicable) | | | | | | |
| 15. Was client notified of all discrepancies with this | order? | Yes | | No 🗌 | NA 🗹 | |
| Person Notified: | Date: | | | energeneers and a | | |
| By Whom: | Via: | eMa | il 🗌 Phone | Fax | In Person | |
| Regarding: | | | | | enterneten en ser son av andra son en er er er | |
| Client Instructions: | | L | ******** | und manne and the | | |
| 16. Additional remarks: | | | | | | |
| 17. <u>Cooler Information</u> Cooler No Temp °C Condition Seal | Intact Seal No Se | al Da | te Sigr | ed By | | |
| 1 2.0 Good | | | | | | |

Page 1 of 1

| If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. | Bate: Time: Relinquished by: | ate: Time: Relinquished by: | 7/2021 | | 1:26 | | | X. | 6/2 1010 S 5-6 | 4/2 1005 5 5-5 | H-5 5 0981 Ela | Date Time Matrix Sample Name | | | vne) | - NELAC Other - NELAC Other - NELAC | | QA/QC Package: □ Standard □ Level 4 (Full Validation) | email or Fax#: | Phone #: | Suit # 87410 | Mailing Address: LOC SRD Concerde | | Polient: Enstein UC | e 91 Chain-of-Custody Record | of 152 |
|---|------------------------------|-----------------------------|--------|----------|--------------------|---|-------|----|----------------|----------------|----------------|------------------------------|-------------------------------|---|------|-------------------------------------|---------------|--|------------------|------------------|-------------------|-----------------------------------|-------|---------------------|---------------------------------|--------|
| | 6 | Received by: Via: Date | | | | | | | Card | la la | Howar Chol | # Type 21 | Container Preservative HEALNo | For Cooler Temport and the Cooler Temport | -] | On Ice: UN Yes IN | V V V | K Summers | Project Manager: | 05A 1226 145 | Project #: | Cateral K-54 | | □ Standard DVRush 6 | Turn-Around Time: | |
| This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report | 21 1410 Time 121 -7157 | Time | | | | | | | 003 | 200 | 001 | 06165 | | Tell Contract | | | | | | 5 | | 1 | | 1-3-21 | 891 | |
| possibil | / | Remarks: | | | | | | | К | , . | t | BTI | EXIN | TB | Æ/ | Τŀ | 4 B 's | s (802 | 1) | | | | | | | |
| lity. An | AF | arks. | | | - | | | | イ | * | | | H:8015 | | - | | | | | | Te | 490 | | | | |
| ıy sub- | AFEX | - | | | | | | | | | | | 1 Pest | | | | | PCB's | | | Tel. 505-345-3975 | 4901 Hawkins NE - | icin. | | | |
| contrac | 6 H - | ۰ - | | | | _ | + | | | | | | B (Met | | | | - | | | | 5-34 | wkir | | | G | |
| ted da | 5 | - | | | | | | | | | | | Hs by 8 | | - | or 82 | 70 | SIMS | _ | | 5-397 | IS NE | | ANAL | | |
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| ated on | | | | | | | | | | | | | al Colif | | | | ent | /Abse | nt) | Analysis Request | 5-34 | ins NE - Albuquerque, NM | ntal | | | |
| the ar | | | | | | | | | | | | | | | | | | | -/ | ŧ | Fax 505-345-4107 | Albuquerque, NM 87109 | | VSTS LABORATORY | | |
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| l report | et ? | | | | | | | | | | | | | | | | | | | | | - | 2 | | | |
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June 21, 2021

Kyle Summers Ensolum 606 S Rio Grande Ste A Aztec, NM 87410 TEL: (903) 821-5603 FAX

RE: Lateral K 54

Hall Environmental Analysis Laboratory

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

Website: clients.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

OrderNo.: 2106764

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 8 sample(s) on 6/15/2021 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 Environmental Analysis Laboratory, Inc.

Lab Order 2106764

Date Reported: 6/21/2021

| CLIENT | Ensolum | Client Sample ID: S-7 |
|-----------------|--------------|---|
| Project: | Lateral K 54 | Collection Date: 6/14/2021 11:00:00 AM |
| Lab ID: | 2106764-001 | Matrix: MEOH (SOIL) Received Date: 6/15/2021 7:55:00 AM |

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|-------------------------------------|--------|--------|------|-------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | | Analyst | : VP |
| Chloride | 120 | 59 | | mg/Kg | 20 | 6/15/2021 9:31:03 AM | 60634 |
| EPA METHOD 8015M/D: DIESEL RANGE OR | GANICS | | | | | Analyst | SB |
| Diesel Range Organics (DRO) | ND | 8.0 | | mg/Kg | 1 | 6/15/2021 11:53:25 AM | 60633 |
| Motor Oil Range Organics (MRO) | ND | 40 | | mg/Kg | 1 | 6/15/2021 11:53:25 AM | 60633 |
| Surr: DNOP | 79.5 | 70-130 | | %Rec | 1 | 6/15/2021 11:53:25 AM | 60633 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | Analyst | : NSB |
| Gasoline Range Organics (GRO) | 17 | 3.6 | | mg/Kg | 1 | 6/15/2021 9:11:13 AM | 60623 |
| Surr: BFB | 194 | 70-130 | S | %Rec | 1 | 6/15/2021 9:11:13 AM | 60623 |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst | : NSB |
| Benzene | ND | 0.018 | | mg/Kg | 1 | 6/15/2021 9:11:13 AM | 60623 |
| Toluene | 0.11 | 0.036 | | mg/Kg | 1 | 6/15/2021 9:11:13 AM | 60623 |
| Ethylbenzene | 0.14 | 0.036 | | mg/Kg | 1 | 6/15/2021 9:11:13 AM | 60623 |
| Xylenes, Total | 1.8 | 0.072 | | mg/Kg | 1 | 6/15/2021 9:11:13 AM | 60623 |
| Surr: 4-Bromofluorobenzene | 109 | 70-130 | | %Rec | 1 | 6/15/2021 9:11:13 AM | 60623 |

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 1 of 12

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2106764

Date Reported: 6/21/2021

| CLIENT: Ensolum | Client Sample ID: S-8 |
|--------------------|---|
| Project: Lateral K | 54 Collection Date: 6/14/2021 11:05:00 AM |
| Lab ID: 2106764 | 002 Matrix: MEOH (SOIL) Received Date: 6/15/2021 7:55:00 AM |

| Analyses | Result | RL Q | ual Units | DF | Date Analyzed | Batch |
|-------------------------------------|---------|--------|-----------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analys | : VP |
| Chloride | ND | 60 | mg/Kg | 20 | 6/15/2021 9:43:27 AM | 60634 |
| EPA METHOD 8015M/D: DIESEL RANGE OI | RGANICS | | | | Analys | : SB |
| Diesel Range Organics (DRO) | ND | 9.7 | mg/Kg | 1 | 6/15/2021 10:29:26 AM | 60633 |
| Motor Oil Range Organics (MRO) | ND | 48 | mg/Kg | 1 | 6/15/2021 10:29:26 AN | 60633 |
| Surr: DNOP | 86.5 | 70-130 | %Rec | 1 | 6/15/2021 10:29:26 AM | 60633 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analys | : NSB |
| Gasoline Range Organics (GRO) | ND | 2.8 | mg/Kg | 1 | 6/15/2021 9:34:42 AM | 60623 |
| Surr: BFB | 105 | 70-130 | %Rec | 1 | 6/15/2021 9:34:42 AM | 60623 |
| EPA METHOD 8021B: VOLATILES | | | | | Analys | : NSB |
| Benzene | ND | 0.014 | mg/Kg | 1 | 6/15/2021 9:34:42 AM | 60623 |
| Toluene | ND | 0.028 | mg/Kg | 1 | 6/15/2021 9:34:42 AM | 60623 |
| Ethylbenzene | ND | 0.028 | mg/Kg | 1 | 6/15/2021 9:34:42 AM | 60623 |
| Xylenes, Total | ND | 0.056 | mg/Kg | 1 | 6/15/2021 9:34:42 AM | 60623 |
| Surr: 4-Bromofluorobenzene | 98.7 | 70-130 | %Rec | 1 | 6/15/2021 9:34:42 AM | 60623 |

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2106764

Date Reported: 6/21/2021

| CLIENT: Ensolum | Client Sample ID: S-9 |
|-----------------------|---|
| Project: Lateral K 54 | Collection Date: 6/14/2021 11:10:00 AM |
| Lab ID: 2106764-003 | Matrix: MEOH (SOIL) Received Date: 6/15/2021 7:55:00 AM |

| Analyses | Result | RL Q | ual Units | DF | Date Analyzed | Batch |
|------------------------------------|---------|--------|-----------|----|-----------------------|---------|
| EPA METHOD 300.0: ANIONS | | | | | Analys | t: VP |
| Chloride | 120 | 60 | mg/Kg | 20 | 6/15/2021 9:55:51 AM | 60634 |
| EPA METHOD 8015M/D: DIESEL RANGE O | RGANICS | | | | Analys | t: SB |
| Diesel Range Organics (DRO) | ND | 10 | mg/Kg | 1 | 6/15/2021 10:41:26 AM | 1 60633 |
| Motor Oil Range Organics (MRO) | ND | 50 | mg/Kg | 1 | 6/15/2021 10:41:26 AN | 60633 |
| Surr: DNOP | 84.8 | 70-130 | %Rec | 1 | 6/15/2021 10:41:26 AM | 1 60633 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analys | t: NSB |
| Gasoline Range Organics (GRO) | ND | 3.0 | mg/Kg | 1 | 6/15/2021 9:58:12 AM | 60623 |
| Surr: BFB | 106 | 70-130 | %Rec | 1 | 6/15/2021 9:58:12 AM | 60623 |
| EPA METHOD 8021B: VOLATILES | | | | | Analys | t: NSB |
| Benzene | ND | 0.015 | mg/Kg | 1 | 6/15/2021 9:58:12 AM | 60623 |
| Toluene | ND | 0.030 | mg/Kg | 1 | 6/15/2021 9:58:12 AM | 60623 |
| Ethylbenzene | ND | 0.030 | mg/Kg | 1 | 6/15/2021 9:58:12 AM | 60623 |
| Xylenes, Total | ND | 0.060 | mg/Kg | 1 | 6/15/2021 9:58:12 AM | 60623 |
| Surr: 4-Bromofluorobenzene | 96.0 | 70-130 | %Rec | 1 | 6/15/2021 9:58:12 AM | 60623 |

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2106764

Date Reported: 6/21/2021

| CLIENT | : Ensolum | Client Sample ID: S-10 |
|----------|--------------|---|
| Project: | Lateral K 54 | Collection Date: 6/14/2021 11:15:00 AM |
| Lab ID: | 2106764-004 | Matrix: MEOH (SOIL) Received Date: 6/15/2021 7:55:00 AM |

| Analyses | Result | RL Q | ual Units | DF | Date Analyzed | Batch |
|-------------------------------------|--------|--------|-----------|----|-----------------------|---------|
| EPA METHOD 300.0: ANIONS | | | | | Analys | st: VP |
| Chloride | 180 | 60 | mg/Kg | 20 | 6/15/2021 10:08:16 Al | M 60634 |
| EPA METHOD 8015M/D: DIESEL RANGE OR | GANICS | | | | Analys | st: SB |
| Diesel Range Organics (DRO) | 22 | 9.6 | mg/Kg | 1 | 6/15/2021 10:53:25 Al | A 60633 |
| Motor Oil Range Organics (MRO) | ND | 48 | mg/Kg | 1 | 6/15/2021 10:53:25 Al | M 60633 |
| Surr: DNOP | 82.7 | 70-130 | %Rec | 1 | 6/15/2021 10:53:25 Al | M 60633 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analys | st: NSB |
| Gasoline Range Organics (GRO) | ND | 3.2 | mg/Kg | 1 | 6/15/2021 10:21:40 Al | A 60623 |
| Surr: BFB | 101 | 70-130 | %Rec | 1 | 6/15/2021 10:21:40 Al | M 60623 |
| EPA METHOD 8021B: VOLATILES | | | | | Analys | st: NSB |
| Benzene | ND | 0.016 | mg/Kg | 1 | 6/15/2021 10:21:40 Al | A 60623 |
| Toluene | ND | 0.032 | mg/Kg | 1 | 6/15/2021 10:21:40 Al | M 60623 |
| Ethylbenzene | ND | 0.032 | mg/Kg | 1 | 6/15/2021 10:21:40 Al | M 60623 |
| Xylenes, Total | ND | 0.063 | mg/Kg | 1 | 6/15/2021 10:21:40 Al | M 60623 |
| Surr: 4-Bromofluorobenzene | 96.8 | 70-130 | %Rec | 1 | 6/15/2021 10:21:40 Al | M 60623 |

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

Qualifiers:

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

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2106764

Date Reported: 6/21/2021

| CLIENT | Ensolum | Client Sample ID: S-11 |
|-----------------|--------------|---|
| Project: | Lateral K 54 | Collection Date: 6/14/2021 11:20:00 AM |
| Lab ID: | 2106764-005 | Matrix: MEOH (SOIL) Received Date: 6/15/2021 7:55:00 AM |

| Analyses | Result | RL Q | ual Units | DF | Date Analyzed | Batch |
|--------------------------------------|--------|--------|-----------|----|-----------------------|--------------|
| EPA METHOD 300.0: ANIONS | | | | | Analys | t: VP |
| Chloride | ND | 60 | mg/Kg | 20 | 6/15/2021 10:20:41 AN | 1 60634 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | GANICS | | | | Analys | t: SB |
| Diesel Range Organics (DRO) | ND | 8.6 | mg/Kg | 1 | 6/15/2021 11:05:22 AN | 1 60633 |
| Motor Oil Range Organics (MRO) | ND | 43 | mg/Kg | 1 | 6/15/2021 11:05:22 AN | 1 60633 |
| Surr: DNOP | 86.5 | 70-130 | %Rec | 1 | 6/15/2021 11:05:22 AN | 1 60633 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analys | t: NSB |
| Gasoline Range Organics (GRO) | ND | 3.1 | mg/Kg | 1 | 6/15/2021 10:45:05 AN | 1 60623 |
| Surr: BFB | 108 | 70-130 | %Rec | 1 | 6/15/2021 10:45:05 AN | 1 60623 |
| EPA METHOD 8021B: VOLATILES | | | | | Analys | t: NSB |
| Benzene | ND | 0.015 | mg/Kg | 1 | 6/15/2021 10:45:05 AN | 1 60623 |
| Toluene | ND | 0.031 | mg/Kg | 1 | 6/15/2021 10:45:05 AN | 1 60623 |
| Ethylbenzene | ND | 0.031 | mg/Kg | 1 | 6/15/2021 10:45:05 AN | 60623 |
| Xylenes, Total | ND | 0.061 | mg/Kg | 1 | 6/15/2021 10:45:05 AN | 1 60623 |
| Surr: 4-Bromofluorobenzene | 101 | 70-130 | %Rec | 1 | 6/15/2021 10:45:05 AN | 1 60623 |

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

Qualifiers:

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

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2106764

Date Reported: 6/21/2021

| CLIENT: | Ensolum | Client Sample ID: S-12 |
|----------|--------------|---|
| Project: | Lateral K 54 | Collection Date: 6/14/2021 11:25:00 AM |
| Lab ID: | 2106764-006 | Matrix: MEOH (SOIL) Received Date: 6/15/2021 7:55:00 AM |

| Analyses | Result | RL Q | ual Units | DF | Date Analyzed | Batch |
|--------------------------------------|--------|--------|-----------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst | : VP |
| Chloride | 100 | 60 | mg/Kg | 20 | 6/15/2021 10:33:05 AN | 60634 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | SANICS | | | | Analyst | : SB |
| Diesel Range Organics (DRO) | ND | 9.4 | mg/Kg | 1 | 6/15/2021 11:17:17 AN | 60633 |
| Motor Oil Range Organics (MRO) | ND | 47 | mg/Kg | 1 | 6/15/2021 11:17:17 AN | 60633 |
| Surr: DNOP | 104 | 70-130 | %Rec | 1 | 6/15/2021 11:17:17 AN | 60633 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst | : NSB |
| Gasoline Range Organics (GRO) | ND | 3.6 | mg/Kg | 1 | 6/15/2021 11:08:37 AN | 60623 |
| Surr: BFB | 107 | 70-130 | %Rec | 1 | 6/15/2021 11:08:37 AN | 60623 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | : NSB |
| Benzene | ND | 0.018 | mg/Kg | 1 | 6/15/2021 11:08:37 AN | 60623 |
| Toluene | ND | 0.036 | mg/Kg | 1 | 6/15/2021 11:08:37 AN | 60623 |
| Ethylbenzene | ND | 0.036 | mg/Kg | 1 | 6/15/2021 11:08:37 AN | 60623 |
| Xylenes, Total | ND | 0.072 | mg/Kg | 1 | 6/15/2021 11:08:37 AN | 60623 |
| Surr: 4-Bromofluorobenzene | 101 | 70-130 | %Rec | 1 | 6/15/2021 11:08:37 AN | 60623 |

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 12

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2106764

Date Reported: 6/21/2021

| CLIENT: | Ensolum | Client Sample ID: S-13 |
|-----------------|--------------|---|
| Project: | Lateral K 54 | Collection Date: 6/14/2021 11:30:00 AM |
| Lab ID: | 2106764-007 | Matrix: MEOH (SOIL) Received Date: 6/15/2021 7:55:00 AM |

| Analyses | Result | RL Q | ual Units | DF | Date Analyzed | | Batch |
|------------------------------------|---------|--------|-----------|----|-----------------|---------|-------|
| EPA METHOD 300.0: ANIONS | | | | | A | nalyst: | VP |
| Chloride | ND | 60 | mg/Kg | 20 | 6/15/2021 10:45 | :29 AM | 60634 |
| EPA METHOD 8015M/D: DIESEL RANGE O | RGANICS | | | | А | nalyst: | SB |
| Diesel Range Organics (DRO) | ND | 8.6 | mg/Kg | 1 | 6/15/2021 11:29 | :19 AM | 60633 |
| Motor Oil Range Organics (MRO) | ND | 43 | mg/Kg | 1 | 6/15/2021 11:29 | :19 AM | 60633 |
| Surr: DNOP | 87.0 | 70-130 | %Rec | 1 | 6/15/2021 11:29 | :19 AM | 60633 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | А | nalyst: | NSB |
| Gasoline Range Organics (GRO) | ND | 15 | mg/Kg | 5 | 6/15/2021 11:32 | :12 AM | 60623 |
| Surr: BFB | 112 | 70-130 | %Rec | 5 | 6/15/2021 11:32 | :12 AM | 60623 |
| EPA METHOD 8021B: VOLATILES | | | | | А | nalyst: | NSB |
| Benzene | ND | 0.073 | mg/Kg | 5 | 6/15/2021 11:32 | :12 AM | 60623 |
| Toluene | ND | 0.15 | mg/Kg | 5 | 6/15/2021 11:32 | :12 AM | 60623 |
| Ethylbenzene | ND | 0.15 | mg/Kg | 5 | 6/15/2021 11:32 | :12 AM | 60623 |
| Xylenes, Total | ND | 0.29 | mg/Kg | 5 | 6/15/2021 11:32 | :12 AM | 60623 |
| Surr: 4-Bromofluorobenzene | 101 | 70-130 | %Rec | 5 | 6/15/2021 11:32 | :12 AM | 60623 |

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

Qualifiers:

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

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2106764

Date Reported: 6/21/2021

| CLIENT | Ensolum | Client Sample ID: S-14 |
|-----------------|--------------|---|
| Project: | Lateral K 54 | Collection Date: 6/14/2021 11:35:00 AM |
| Lab ID: | 2106764-008 | Matrix: MEOH (SOIL) Received Date: 6/15/2021 7:55:00 AM |

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|-------------------------------------|--------|--------|------|-------|----|-----------------------|---------|
| EPA METHOD 300.0: ANIONS | | | | | | Analys | t: VP |
| Chloride | ND | 60 | | mg/Kg | 20 | 6/15/2021 10:57:53 AM | A 60634 |
| EPA METHOD 8015M/D: DIESEL RANGE OR | GANICS | | | | | Analys | t: SB |
| Diesel Range Organics (DRO) | ND | 8.4 | | mg/Kg | 1 | 6/15/2021 11:41:22 AM | A 60633 |
| Motor Oil Range Organics (MRO) | ND | 42 | | mg/Kg | 1 | 6/15/2021 11:41:22 AM | A 60633 |
| Surr: DNOP | 88.0 | 70-130 | | %Rec | 1 | 6/15/2021 11:41:22 AM | A 60633 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | Analys | t: NSB |
| Gasoline Range Organics (GRO) | 180 | 3.1 | | mg/Kg | 1 | 6/15/2021 11:55:50 AM | A 60623 |
| Surr: BFB | 588 | 70-130 | S | %Rec | 1 | 6/15/2021 11:55:50 AM | A 60623 |
| EPA METHOD 8021B: VOLATILES | | | | | | Analys | t: NSB |
| Benzene | 0.10 | 0.015 | | mg/Kg | 1 | 6/15/2021 11:55:50 AM | A 60623 |
| Toluene | 1.7 | 0.031 | | mg/Kg | 1 | 6/15/2021 11:55:50 AM | A 60623 |
| Ethylbenzene | 0.61 | 0.031 | | mg/Kg | 1 | 6/15/2021 11:55:50 AM | A 60623 |
| Xylenes, Total | 6.5 | 0.062 | | mg/Kg | 1 | 6/15/2021 11:55:50 AM | A 60623 |
| Surr: 4-Bromofluorobenzene | 131 | 70-130 | S | %Rec | 1 | 6/15/2021 11:55:50 AM | A 60623 |

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 8 of 12

| Client:EnsolProject:Latera | um al K 54 | | | |
|----------------------------|--------------------------|---------------------------|----------------|---------------|
| Sample ID: MB-60634 | SampType: MBLK | TestCode: EPA Method | 300.0: Anions | |
| Client ID: PBS | Batch ID: 60634 | RunNo: 79075 | | |
| Prep Date: 6/15/2021 | Analysis Date: 6/15/2021 | SeqNo: 2776293 | Units: mg/Kg | |
| Analyte | Result PQL SPK value S | SPK Ref Val %REC LowLimit | HighLimit %RPD | RPDLimit Qual |
| Chloride | ND 1.5 | | | |
| Sample ID: LCS-60634 | SampType: LCS | TestCode: EPA Method | 300.0: Anions | |
| Client ID: LCSS | Batch ID: 60634 | RunNo: 79075 | | |
| Prep Date: 6/15/2021 | Analysis Date: 6/15/2021 | SeqNo: 2776294 | Units: mg/Kg | |
| Analyte | Result PQL SPK value S | SPK Ref Val %REC LowLimit | HighLimit %RPD | RPDLimit Qual |
| Chloride | 14 1.5 15.00 | 0 91.1 90 | 110 | |

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

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2106764

21-Jun-21

WO#:

Released to Imaging: 1/6/2022 4:13:59 PM

Ensolum

Client:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc

| | WO#: | 2106764 |
|--------------------------------|------|-----------|
| ntal Analysis Laboratory, Inc. | | 21-Jun-21 |
| | | |

| Project: Lateral H | X 54 | | | | | | | | |
|--------------------------------|----------------|-------------|-------------|------------------|----------|--------------|------------|------------|------|
| Sample ID: MB-60633 | SampType: | MBLK | Tes | tCode: EP | A Method | 8015M/D: Die | esel Range | e Organics | |
| Client ID: PBS | Batch ID: | 60633 | F | RunNo: 79 | 081 | | | | |
| Prep Date: 6/15/2021 | Analysis Date: | 6/15/2021 | S | SeqNo: 27 | 75483 | Units: mg/K | g | | |
| Analyte | Result PQ | L SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | | 10 | | | | | | | |
| Motor Oil Range Organics (MRO) | | 50 | | | | | | | |
| Surr: DNOP | 9.7 | 10.00 | | 97.0 | 70 | 130 | | | |
| Sample ID: LCS-60633 | SampType: | LCS | Tes | tCode: EP | A Method | 8015M/D: Die | esel Range | e Organics | |
| Client ID: LCSS | Batch ID: | 60633 | F | RunNo: 79 | 081 | | | | |
| Prep Date: 6/15/2021 | Analysis Date: | 6/15/2021 | 5 | SeqNo: 27 | 75484 | Units: mg/K | g | | |
| Analyte | Result PQ | L SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 43 1 | 50.00 | 0 | 85.6 | 68.9 | 141 | | | |
| Surr: DNOP | 4.1 | 5.000 | | 82.0 | 70 | 130 | | | |
| Sample ID: 2106764-001AMS | SampType: | MS | Tes | tCode: EP | A Method | 8015M/D: Die | esel Range | e Organics | |
| Client ID: S-7 | Batch ID: | 60633 | F | RunNo: 79 | 081 | | | | |
| Prep Date: 6/15/2021 | Analysis Date: | 6/15/2021 | 5 | SeqNo: 277 | 75499 | Units: mg/K | g | | |
| Analyte | Result PQ | L SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 54 9 | .7 48.45 | 0 | 111 | 15 | 184 | | | |
| Surr: DNOP | 3.8 | 4.845 | | 78.8 | 70 | 130 | | | |
| Sample ID: 2106764-001AMS | SampType: | MSD | Tes | tCode: EP | A Method | 8015M/D: Die | esel Range | e Organics | |
| Client ID: S-7 | Batch ID: | 60633 | F | RunNo: 79 | 081 | | | | |
| Prep Date: 6/15/2021 | Analysis Date: | 6/15/2021 | 5 | SeqNo: 277 | 75512 | Units: mg/K | g | | |
| Analyte | Result PQ | L SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 54 9 | .6 48.12 | 0 | 112 | 15 | 184 | 0.0141 | 23.9 | |
| Surr: DNOP | 3.5 | 4.812 | | 73.3 | 70 | 130 | 0 | 0 | |

Qualifiers:

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

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

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Ensolum

Client:

| | WO#: | 2106764 |
|---|------|-----------|
| all Environmental Analysis Laboratory, Inc. | | 21-Jun-21 |
| | | |

| Project: Lateral | K 54 | | | | | | | | | | |
|---|------------|------------------------------|-----------|-------------|-----------|-----------|--------------------|------------|----------|------|--|
| Sample ID: mb-60623 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | | | | |
| Client ID: PBS | Batch | Batch ID: 60623 RunNo: 79078 | | | | | | | | | |
| Prep Date: 6/14/2021 | Analysis D | ate: 6/ | 15/2021 | 5 | SeqNo: 2 | 775948 | Units: mg/k | ٢g | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | |
| Gasoline Range Organics (GRO) | ND | 5.0 | | | | | | | | | |
| Surr: BFB | 1100 | | 1000 | | 110 | 70 | 130 | | | | |
| Sample ID: Ics-60623 | SampT | ype: LC | S | Tes | tCode: El | PA Method | 8015D: Gaso | oline Rang | e | | |
| Client ID: LCSS | Batch | n ID: 60 | 623 | F | RunNo: 7 | 9078 | | | | | |
| Prep Date: 6/14/2021 | Analysis D | ate: 6/ | 15/2021 | 5 | SeqNo: 2 | 775949 | Units: mg/k | ٢g | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | |
| Gasoline Range Organics (GRO) | 27 | 5.0 | 25.00 | 0 | 107 | 78.6 | 131 | | | | |
| Surr: BFB | 1200 | | 1000 | | 115 | 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

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| WO#: | 2106764 |
|------|-----------|
| | 21-Jun-21 |

| | Ensolum Lateral K 54 | | | | | | | | | |
|-------------------------|-------------------------|----------|-----------|-------------|-------------------|-----------|--------------|------|----------|------|
| Sample ID: mb-6062 | | Type: ME | 3LK | Tesi | tCode: El | PA Method | 8021B: Volat | iles | | |
| Client ID: PBS | • | h ID: 60 | | | RunNo: 7 9 | | | | | |
| Prep Date: 6/14/202 | | | | | SeqNo: 2 | | 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: 4-Bromofluorobenz | ene 1.0 | | 1.000 | | 103 | 70 | 130 | | | |
| Sample ID: LCS-606 | 23 Samp | Type: LC | s | Tes | tCode: El | PA Method | 8021B: Volat | iles | | |
| Client ID: LCSS | Bato | h ID: 60 | 623 | R | RunNo: 7 | 9078 | | | | |
| Prep Date: 6/14/202 | 21 Analysis | Date: 6/ | 15/2021 | S | SeqNo: 2 | 775996 | Units: mg/K | g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 1.0 | 0.025 | 1.000 | 0 | 99.7 | 80 | 120 | | | |
| Toluene | 1.0 | 0.050 | 1.000 | 0 | 100 | 80 | 120 | | | |
| Ethylbenzene | 1.0 | 0.050 | 1.000 | 0 | 101 | 80 | 120 | | | |
| Xylenes, Total | 3.0 | 0.10 | 3.000 | 0 | 101 | 80 | 120 | | | |
| Surr: 4-Bromofluorobenz | ene 1.0 | | 1.000 | | 100 | 70 | 130 | | | |

Qualifiers:

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

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

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| HALL ENVIRONMENTAL ANALYSIS LABORATORY | Hall Environmental Albu TEL: 505-345-3975 Website: clients.hau | 4901 H iquerque, FAX: 503 | awkins NE NM 87109 5-345-4107 | San | nple Log-In | Page 1 Check List |
|--|---|---------------------------------|--|-----------------|--|----------------------|
| Client Name: ENSOLUM | Work Order Number: | 210676 | 4 | | RcptN | o: 1 |
| Received By: Juan Rojas | 6/15/2021 7:55:00 AM | | 4 | ian Eng | | |
| Completed By: Sean Livingston | 6/15/2021 8:00:47 AM | | / | | nofan | |
| Reviewed By: SPA 6.15. | | | - | Dala. | yster | |
| Chain of Custody | | | | | | |
| 1. Is Chain of Custody complete? | | Yes 🔽 | •] | No 🗌 | Not Present | |
| 2. How was the sample delivered? | | <u>Courier</u> | | | | |
| Log In | | | | | | |
| 3. Was an attempt made to cool the samples? | | Yes 🗸 |] 1 | No 🗌 | NA 🗌 | |
| 4. Were all samples received at a temperature of | of >0° C to 6.0°C | Yes 🔽 | 1 | No 🗌 | NA 🗌 | |
| 5. Sample(s) in proper container(s)? | | Yes 🔽 | l r | No 🗌 | | |
| 6. Sufficient sample volume for indicated test(s) | ? | Yes 🗹 | Ν | No 🗌 | | |
| 7. Are samples (except VOA and ONG) properly | preserved? | Yes 🗹 | Ν | lo 🗌 | | |
| 8. Was preservative added to bottles? | | Yes 🗌 | Ν | lo 🗸 | NA 🗌 | |
| 9. Received at least 1 vial with headspace <1/4" | for AQ VOA? | Yes 🗌 | Ν | 1o 🗌 | NA 🗸 | |
| 10. Were any sample containers received broker | 1? | Yes 🗌 | ١ | No 🔽 | # - f | |
| 11. Does paperwork match bottle labels? | | Yes 🗹 | Ν | 10 🗌 | # of preserved bottles checked for pH: | |
| (Note discrepancies on chain of custody) 2. Are matrices correctly identified on Chain of C | Nuclearly O | | | | (<2 c Adjusted? | or >12 unless noted) |
| 3. Is it clear what analyses were requested? | | Yes ⊻ Yes ✓ | | 10 🗌 | / lujuolou ! | , |
| 4. Were all holding times able to be met? | | Yes 🗹 | | lo 🗌 | Checked by: | 1R/WEL |
| (If no, notify customer for authorization.) | | 163 | | | / | 5. 1.1.1 |
| Special Handling (if applicable) | | | | 2 | | 415/21 |
| 15. Was client notified of all discrepancies with the | nis order? | Yes | ١ | No 🗌 | NA 🗸 | |
| Person Notified: | Date: | ALCORA DAL CAR | an an the second se | anavirani shara | | |
| By Whom: | Via: | eMail | Phone | 🗌 Fax | In Person | |
| Regarding: | | | | | | |
| Client Instructions: | | | en son alle onder standard in 1940 | | | |
| 16. Additional remarks: | | | | | | |
| 17. <u>Cooler Information</u> | | | | | | |

Page 1 of 1

| Record If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. | in the second se | te: | 8/14 15:32 Million the | Dete: Time: Relinquished by | 2/7/2 | 021 | 8:11 | 1:26 | 214 1135 S S-14 | 6/14 1130 S S-13 | E1-5 5 SEII hile | 11-2 2 0611 412 | 24 115 2 S-10 | 8-5 5 011 His | Sy 1105 3 5-8 | 2-5 S 2011 /-1/20 | Date Time Matrix Sample Name | | EDD (Type) | Accreditation: Az Compliance NELAC Other | QAVQC Package: | email or Fax#: | Phone #: 970-216-5235 | Su: + A 87410 | Mailing Address: 666 S R/o Grande | Pag | Slient: Ersolum LCC | of 152 Chain-of-Custody Record |
|---|--|-----------------------------|----------------------------------|-----------------------------|-------|-----|------|------|-----------------|------------------|------------------|-----------------|---------------|---------------|---------------|-------------------|--|---|---|---|---|------------------|-----------------------|---------------|---|---------------|---------------------|-----------------------------------|
| This serves as notice of | A rounier 6/15/21 7:55 | Received by: Via: Date Time | 1 Josennin herver a why of 15:32 | Received by: Via: Date Time | | | | | Cel 008 | lel wa | lasta accord | Cael 005 | Card 1 004 | led , 003 | Mal 1 | 1 | Container Preservative HEAL No. Type and # Type 2.iO い子にく | Cooler Temp(including CF): 1.0(-0.22),7 (°C) | # of Coolers: 1 | Sampler: A Hponts On Ice: Pres IN0 | K Semmers | Project Manager: | 05A1321445 | Project #: | Lateral K-SY | Project Name: | □ Standard I Rush | Turn-Around Time: 100 % |
| this possibility. Any sub-contracted data will be clearly notated on the analytical report. | T S S S S S S S S S S S S S S S S S S S | | APEA | n Tan | | | | | | XY | | V X V | | X X | × × × | X | BTEX / TPH:80 8081 P EDB (M PAHs t RCRA CI, T 8260 (V 8270 (S Total C | / MTT D15D detho Dy 83 8 Me Dr, T /OA) Semi- | (GF side side side side side side side side | RO / DI s/8082 504.1) or 827 s NO ₂ | RO / MF 2 PCB's 70SIMS , PO ₄ , - | RO) ; SO₄ | Analysis | б | 4901 Hawkins NE - Albuquerque, NM 87109 | Th I | | HALL ENVIRONMENTAL |



June 24, 2021

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX

OrderNo.: 2106974

Hall Environmental Analysis Laboratory

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

Website: clients.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

RE: Lateral K 54

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 3 sample(s) on 6/18/2021 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 Environmental Analysis Laboratory, Inc.

Lab Order 2106974

Date Reported: 6/24/2021

| CLIENT: ENSOLUM | | Cl | ient Sample II |): SI | 2-1 | | | | | | | |
|----------------------------------|--|--------|-------------------------------------|-------|-----------------------|--------|--|--|--|--|--|--|
| Project: Lateral K 54 | Collection Date: 6/17/2021 11:00:00 AM | | | | | | | | | | | |
| Lab ID: 2106974-001 | Matrix: SOIL | | Received Date: 6/18/2021 7:05:00 AM | | | | | | | | | |
| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch | | | | | | |
| EPA METHOD 300.0: ANIONS | | | | | Analyst | : VP | | | | | | |
| Chloride | ND | 7.5 | mg/Kg | 5 | 6/18/2021 9:49:19 AM | 60733 | | | | | | |
| Sulfate | 24 | 7.5 | mg/Kg | 5 | 6/18/2021 9:49:19 AM | 60733 | | | | | | |
| EPA METHOD 8015M/D: DIESEL RANGE | ORGANICS | | | | Analyst | SB | | | | | | |
| Diesel Range Organics (DRO) | ND | 9.9 | mg/Kg | 1 | 6/18/2021 10:33:05 AM | 60725 | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 49 | mg/Kg | 1 | 6/18/2021 10:33:05 AM | 60725 | | | | | | |
| Surr: DNOP | 81.6 | 70-130 | %Rec | 1 | 6/18/2021 10:33:05 AM | 60725 | | | | | | |
| EPA METHOD 8015D: GASOLINE RANGE | E | | | | Analyst | : NSB | | | | | | |
| Gasoline Range Organics (GRO) | ND | 3.7 | mg/Kg | 1 | 6/18/2021 8:41:45 AM | G79210 | | | | | | |
| Surr: BFB | 105 | 70-130 | %Rec | 1 | 6/18/2021 8:41:45 AM | G79210 | | | | | | |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | NSB | | | | | | |
| Benzene | ND | 0.018 | mg/Kg | 1 | 6/18/2021 8:41:45 AM | B79210 | | | | | | |
| Toluene | ND | 0.037 | mg/Kg | 1 | 6/18/2021 8:41:45 AM | B79210 | | | | | | |
| Ethylbenzene | ND | 0.037 | mg/Kg | 1 | 6/18/2021 8:41:45 AM | B79210 | | | | | | |
| Xylenes, Total | ND | 0.073 | mg/Kg | 1 | 6/18/2021 8:41:45 AM | B79210 | | | | | | |
| Surr: 4-Bromofluorobenzene | 96.8 | 70-130 | %Rec | 1 | 6/18/2021 8:41:45 AM | B79210 | | | | | | |

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 1 of 7

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2106974

Date Reported: 6/24/2021

| CLIENT: ENSOLUM | | Cl | ient Sample II |): SF | 2 -2 | | | | | | | |
|----------------------------------|--------------|--------|--|-------|-----------------------|--------|--|--|--|--|--|--|
| Project: Lateral K 54 | | | _ | | 17/2021 11:05:00 AM | | | | | | | |
| Lab ID: 2106974-002 | Matrix: SOIL | | Received Date: 6/18/2021 7:05:00 AM | | | | | | | | | |
| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch | | | | | | |
| EPA METHOD 300.0: ANIONS | | | | | Analyst | : VP | | | | | | |
| Chloride | ND | 7.5 | mg/Kg | 5 | 6/18/2021 10:14:07 AM | 60733 | | | | | | |
| Sulfate | 21 | 7.5 | mg/Kg | 5 | 6/18/2021 10:14:07 AM | 60733 | | | | | | |
| EPA METHOD 8015M/D: DIESEL RANGE | ORGANICS | | | | Analyst | SB | | | | | | |
| Diesel Range Organics (DRO) | ND | 9.8 | mg/Kg | 1 | 6/18/2021 10:45:27 AM | 60725 | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 49 | mg/Kg | 1 | 6/18/2021 10:45:27 AM | 60725 | | | | | | |
| Surr: DNOP | 80.5 | 70-130 | %Rec | 1 | 6/18/2021 10:45:27 AM | 60725 | | | | | | |
| EPA METHOD 8015D: GASOLINE RANGE | E | | | | Analyst | NSB | | | | | | |
| Gasoline Range Organics (GRO) | ND | 5.7 | mg/Kg | 1 | 6/18/2021 9:05:10 AM | G79210 | | | | | | |
| Surr: BFB | 106 | 70-130 | %Rec | 1 | 6/18/2021 9:05:10 AM | G79210 | | | | | | |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | : NSB | | | | | | |
| Benzene | ND | 0.029 | mg/Kg | 1 | 6/18/2021 9:05:10 AM | B79210 | | | | | | |
| Toluene | ND | 0.057 | mg/Kg | 1 | 6/18/2021 9:05:10 AM | B79210 | | | | | | |
| Ethylbenzene | ND | 0.057 | mg/Kg | 1 | 6/18/2021 9:05:10 AM | B79210 | | | | | | |
| Xylenes, Total | ND | 0.11 | mg/Kg | 1 | 6/18/2021 9:05:10 AM | B79210 | | | | | | |
| Surr: 4-Bromofluorobenzene | 97.7 | 70-130 | %Rec | 1 | 6/18/2021 9:05:10 AM | B79210 | | | | | | |

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 7

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2106974

Date Reported: 6/24/2021

| CLIENT: ENSOLUM | | Cl | ient Sample II | D: SF | 2-3 | |
|----------------------------------|--------------|--------|---------------------|-------|-----------------------|--------|
| Project: Lateral K 54 | | (| Collection Dat | e: 6/ | 17/2021 11:10:00 AM | |
| Lab ID: 2106974-003 | Matrix: SOIL | | Received Dat | e: 6/ | 18/2021 7:05:00 AM | |
| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch |
| EPA METHOD 300.0: ANIONS | | | | | Analyst | : VP |
| Chloride | ND | 7.5 | mg/Kg | 5 | 6/18/2021 10:38:56 AM | 60733 |
| Sulfate | 28 | 7.5 | mg/Kg | 5 | 6/18/2021 10:38:56 AM | 60733 |
| EPA METHOD 8015M/D: DIESEL RANGE | ORGANICS | | | | Analyst | SB |
| Diesel Range Organics (DRO) | ND | 9.2 | mg/Kg | 1 | 6/18/2021 10:57:57 AM | 60725 |
| Motor Oil Range Organics (MRO) | ND | 46 | mg/Kg | 1 | 6/18/2021 10:57:57 AM | 60725 |
| Surr: DNOP | 82.9 | 70-130 | %Rec | 1 | 6/18/2021 10:57:57 AM | 60725 |
| EPA METHOD 8015D: GASOLINE RANGE | E | | | | Analyst | NSB |
| Gasoline Range Organics (GRO) | ND | 3.3 | mg/Kg | 1 | 6/18/2021 9:28:39 AM | G79210 |
| Surr: BFB | 106 | 70-130 | %Rec | 1 | 6/18/2021 9:28:39 AM | G79210 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | NSB |
| Benzene | ND | 0.017 | mg/Kg | 1 | 6/18/2021 9:28:39 AM | B79210 |
| Toluene | ND | 0.033 | mg/Kg | 1 | 6/18/2021 9:28:39 AM | B79210 |
| Ethylbenzene | ND | 0.033 | mg/Kg | 1 | 6/18/2021 9:28:39 AM | B79210 |
| Xylenes, Total | ND | 0.066 | mg/Kg | 1 | 6/18/2021 9:28:39 AM | B79210 |
| Surr: 4-Bromofluorobenzene | 97.0 | 70-130 | %Rec | 1 | 6/18/2021 9:28:39 AM | B79210 |

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

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| | WO#: | 2106974 | |
|---------------------------------------|------|-----------|--|
| vironmental Analysis Laboratory, Inc. | | 24-Jun-21 | |

| Client: Project: | ENSOLU Lateral K | | | | | | | | | | |
|---------------------|---------------------|------------|----------|-----------|-------------|-------------------|-----------|--------------|------|----------|------|
| Sample ID: M | B-60733 | SampT | ype: ME | BLK | Tes | tCode: EF | PA Method | 300.0: Anion | s | | |
| Client ID: PE | BS | Batch | n ID: 60 | 733 | F | RunNo: 7 9 | 9166 | | | | |
| Prep Date: 6 | /18/2021 | Analysis D | 0ate: 6/ | 18/2021 | S | SeqNo: 2 | 780115 | Units: mg/K | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | | ND | 1.5 | | | | | | | | |
| Sulfate | | ND | 1.5 | | | | | | | | |
| Sample ID: LC | S-60733 | SampT | ype: LC | S | Tes | tCode: EF | PA Method | 300.0: Anion | s | | |
| Client ID: LC | SS | Batch | n ID: 60 | 733 | F | RunNo: 7 9 | 9166 | | | | |
| Prep Date: 6 | /18/2021 | Analysis D | oate: 6/ | 18/2021 | S | SeqNo: 2 | 780116 | Units: mg/K | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | | 15 | 1.5 | 15.00 | 0 | 99.1 | 90 | 110 | | | |
| Sulfate | | 30 | 1.5 | 30.00 | 0 | 99.6 | 90 | 110 | | | |

Qualifiers:

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

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

Page 4 of 7

Client:

QC SUMMARY REPORT Hall Environ

| | WO#: | 2106974 | |
|------------------------------------|------|-----------|--|
| onmental Analysis Laboratory, Inc. | | 24-Jun-21 | |
| ENSOLUM | | | |

| Project: | Lateral K | 54 | | | | | | | | | | | | | |
|-----------------|-----------------|------------|-----------------|-----------|---------------------|------------------|-----------|--------------|------------|------------|------|--|--|--|--|
| Sample ID: N | MB-60725 | SampT | Гуре: МЕ | BLK | Tes | tCode: EF | PA Method | 8015M/D: Die | esel Range | e Organics | | | | | |
| Client ID: F | PBS | Batc | h ID: 60 | 725 | RunNo: 79195 | | | | | | | | | | |
| Prep Date: | 6/17/2021 | Analysis E | Date: 6/ | 18/2021 | S | eqNo: 27 | 779732 | Units: mg/K | (g | | | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | | | |
| Diesel Range Or | ganics (DRO) | ND | 10 | | | | | | | | | | | | |
| Motor Oil Range | Organics (MRO) | ND | 50 | | | | | | | | | | | | |
| Surr: DNOP | | 11 | | 10.00 | | 105 | 70 | 130 | | | | | | | |
| Sample ID: L | _CS-60725 | SampT | Гуре: LC | S | Tes | tCode: EF | PA Method | 8015M/D: Die | esel Range | e Organics | | | | | |
| Client ID: | CSS | Batc | h ID: 60 | 725 | R | unNo: 7 9 | 9195 | | | | | | | | |
| Prep Date: | 6/17/2021 | Analysis E | Date: 6/ | 18/2021 | S | eqNo: 27 | 779733 | Units: mg/K | (g | | | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | | | |
| Diesel Range Or | ganics (DRO) | 45 | 10 | 50.00 | 0 | 90.0 | 68.9 | 141 | | | | | | | |
| Surr: DNOP | | 4.2 | | 5.000 | | 83.1 | 70 | 130 | | | | | | | |
| Sample ID: 2 | 2106974-001AMS | SampT | Гуре: МS | 3 | Test | tCode: EF | PA Method | 8015M/D: Die | esel Range | e Organics | | | | | |
| Client ID: | SP-1 | Batc | h ID: 60 | 725 | R | unNo: 7 9 | 9195 | | | | | | | | |
| Prep Date: | 6/18/2021 | Analysis D | Date: 6/ | 18/2021 | S | eqNo: 27 | 782403 | Units: mg/K | (g | | | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | | | |
| Diesel Range Or | ganics (DRO) | 41 | 9.4 | 46.90 | 5.004 | 75.9 | 15 | 184 | | | | | | | |
| Surr: DNOP | | 4.1 | | 4.690 | | 87.6 | 70 | 130 | | | | | | | |
| Sample ID: 2 | 2106974-001AMSE |) Samp1 | Гуре: МS | SD | Test | tCode: EF | PA Method | 8015M/D: Die | esel Range | e Organics | | | | | |
| Client ID: | SP-1 | Batcl | h ID: 60 | 725 | R | unNo: 7 9 | 9195 | | | | | | | | |
| Prep Date: | 6/18/2021 | Analysis E | Date: 6/ | 18/2021 | S | eqNo: 27 | 782404 | Units: mg/K | (g | | | | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | | | |
| Diesel Range Or | ganics (DRO) | 43 | 9.9 | 49.65 | 5.004 | 76.3 | 15 | 184 | 5.51 | 23.9 | | | | | |
| Surr: DNOP | | 4.4 | | 4.965 | | 88.7 | 70 | 130 | 0 | 0 | | | | | |

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.

| WO#: | 2106974 |
|------|-----------|
| | 24-Jun-21 |

| Client: Project: | ENSOLUM Lateral K 54 | | | | | | | | | | | | | |
|---|---|---|--|--|--|---|---|------------------|----------|------|--|--|--|--|
| | | | | | | | | | | | | | | |
| Sample ID: mb | Sam | оТуре: М | BLK | TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | | | |
| Client ID: PBS | Bat | ch ID: G | 79210 | RunNo: 79210 | | | | | | | | | | |
| Prep Date: | Analysis | Date: 6 | /18/2021 | S | eqNo: 27 | 780536 | Units: mg/K | g | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | | | |
| Gasoline Range Organi | () | 5.0 | | | | | | | | | | | | |
| Surr: BFB | 1100 | | 1000 | | 106 | 70 | 130 | | | | | | | |
| Sample ID: 2.5ug | gro lcs Sam | oType: LC | s | Test | tCode: EF | PA Method | 8015D: Gaso | line Rang | e | | | | | |
| Client ID: LCSS | Bat | ch ID: G | 79210 | R | unNo: 7 9 | 9210 | | | | | | | | |
| Prep Date: | Analysis | Date: 6 | /18/2021 | S | eqNo: 27 | 780537 | Units: mg/K | g | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | | | |
| Gasoline Range Organi | ics (GRO) 26 | 5.0 | 25.00 | 0 | 106 | 78.6 | 131 | | | | | | | |
| Surr: BFB | 1200 | | 1000 | | 118 | 70 | 130 | | | | | | | |
| | 74.004 | Type: M | S | Test | tCode: EF | PA Method | 8015D: Gaso | line Rang | e | | | | | |
| Sample ID: 21069 | 74-001ams Sam | , yp0. III | | | RunNo: 79210 | | | | | | | | | |
| Sample ID: 21069 Client ID: SP-1 | | ch ID: G | 79210 | R | unNo: 7 9 | 9210 | | | | | | | | |
| | Ba | | | | tunNo: 7 9 SeqNo: 2 7 | - | Units: mg/K | g | | | | | | |
| Client ID: SP-1 | Ba | ch ID: G | /18/2021 | | | - | Units: mg/K HighLimit | g %RPD | RPDLimit | Qual | | | | |
| Client ID: SP-1 Prep Date: | Ba Analysis Result | ch ID: G | /18/2021 | S | SeqNo: 27 | 780548 | Ū | 0 | RPDLimit | Qual | | | | |
| Client ID: SP-1 Prep Date: Analyte | Ba Analysis Result | Date: 6 | /18/2021 SPK value | S SPK Ref Val | eqNo: 27 %REC | 780548 LowLimit | HighLimit | 0 | RPDLimit | Qual | | | | |
| Client ID: SP-1 Prep Date: Analyte Gasoline Range Organi | Bai Analysis Result ics (GRO) 20 910 | Date: 6 | /18/2021 SPK value 18.36 734.2 | SPK Ref Val 0 | SeqNo: 27 %REC 109 123 | 7 80548 LowLimit 61.3 70 | HighLimit 114 | %RPD | | Qual | | | | |
| Client ID: SP-1 Prep Date: Analyte Gasoline Range Organi Surr: BFB | Bai Analysis Result ics (GRO) 20 910 74-001amsd Sam | ch ID: G Date: 6 PQL 3.7 | 718/2021 SPK value 18.36 734.2 SD | S SPK Ref Val 0 Test | SeqNo: 27 %REC 109 123 | A Method | HighLimit 114 130 | %RPD | | Qual | | | | |
| Client ID: SP-1 Prep Date: Analyte Gasoline Range Organi Surr: BFB Sample ID: 21069 | Analysis Result ics (GRO) 20 910 74-001amsd Sam Bat | ch ID: G Date: 6 PQL 3.7 | 718/2021 SPK value 18.36 734.2 SD 79210 | SPK Ref Val 0 Test | SeqNo: 27 %REC 109 123 Code: EF | 780548 LowLimit 61.3 70 PA Method 9210 | HighLimit 114 130 | %RPD | | Qual | | | | |
| Client ID: SP-1 Prep Date: Analyte Gasoline Range Organi Surr: BFB Sample ID: 21069 Client ID: SP-1 | Analysis Result ics (GRO) 20 910 74-001amsd Sam Bat | ch ID: G Date: 6 PQL 3.7 DType: Manuscription | /18/2021 SPK value 18.36 734.2 SD 79210 /18/2021 | SPK Ref Val 0 Test | SeqNo: 27 %REC 109 123 tCode: EF | 780548 LowLimit 61.3 70 PA Method 9210 | HighLimit 114 130 8015D: Gaso | %RPD | | Qual | | | | |
| Client ID: SP-1 Prep Date: Analyte Gasoline Range Organi Surr: BFB Sample ID: 21069 Client ID: SP-1 Prep Date: | Bai Analysis Result ics (GRO) 20 910 74-001amsd Sam Bai Analysis Result | Date: 6 PQL 3.7 DType: Ma ch ID: 6 Date: 6 | /18/2021 SPK value 18.36 734.2 SD 79210 /18/2021 | SPK Ref Val 0 Test R S | SeqNo: 27 %REC 109 123 123 tCode: EF tunNo: 75 SeqNo: 27 | 780548 LowLimit 61.3 70 PA Method 9210 780549 | HighLimit 114 130 8015D: Gaso Units: mg/K | %RPD | e | | | | | |

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 7

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| WO#: | 2106974 |
|------|-----------|
| | 24-Jun-21 |

| | | aryon | | or <i>y</i> , me. | | | | | | 24-Jun- |
|---|---------------|-------------------------------|----------------------|-------------------|--------------|----------------|--------------------|--------------|----------|---------|
| Client: | ENSOLUM | | | | | | | | | |
| Project: | Lateral K 54 | | | | | | | | | |
| Sample ID: mb | Sa | mpType: N | IBLK | Tes | tCode: El | PA Method | 8021B: Volat | tiles | | |
| Client ID: PBS | В | atch ID: B | 79210 | F | RunNo: 7 | 9210 | | | | |
| Prep Date: | Analys | is Date: | 6/18/2021 | 5 | SeqNo: 2 | 780631 | Units: mg/k | ٤g | | |
| Analyte | Resu | lt PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | N | D 0.02 | 5 | | | | | | | |
| Toluene | N | D 0.050 |) | | | | | | | |
| Ethylbenzene | N | D 0.050 |) | | | | | | | |
| (ylenes, Total | N | D 0.10 |) | | | | | | | |
| Surr: 4-Bromofluorob | enzene 0.9 | 7 | 1.000 | | 96.6 | 70 | 130 | | | |
| Sample ID: 100ng | btex lcs Sa | mpType: L | cs | Tes | tCode: El | PA Method | 8021B: Volat | tiles | | |
| Client ID: LCSS | В | atch ID: B | 79210 | F | RunNo: 7 | 9210 | | | | |
| Prep Date: | Analys | is Date: | 6/18/2021 | 5 | SeqNo: 2 | 780646 | Units: mg/k | ٢g | | |
| Analyte | Resu | lt PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 0.9 | 7 0.02 | 5 1.000 | 0 | 97.2 | 80 | 120 | | | |
| oluene | 1. | 0 0.050 | 0 1.000 | 0 | 101 | 80 | 120 | | | |
| thylbenzene | 1. | 0 0.050 | 0 1.000 | 0 | 100 | 80 | 120 | | | |
| (ylenes, Total | 3. | 0 0.10 | 3.000 | 0 | 100 | 80 | 120 | | | |
| Surr: 4-Bromofluorob | enzene 0.9 | 9 | 1.000 | | 98.8 | 70 | 130 | | | |
| Sample ID: 21069 | 74-002ams Sa | mpType: N | IS | Tes | tCode: El | PA Method | 8021B: Volat | tiles | | |
| Client ID: SP-2 | В | atch ID: B | 79210 | F | RunNo: 7 | 9210 | | | | |
| Prep Date: | Analys | is Date: | 6/18/2021 | S | SeqNo: 2 | 780714 | Units: mg/k | ٢g | | |
| Analyte | Resu | lt PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| lethyl tert-butyl ether (N | MTBE) 1. | 2 0.1 | 1.145 | 0 | 103 | 59.7 | 119 | | | |
| enzene | 1. | 1 0.029 | 9 1.145 | 0 | 96.7 | 80 | 120 | | | |
| oluene | 1. | 1 0.057 | 7 1.145 | 0 | 100 | 80 | 120 | | | |
| thylbenzene | 1. | 2 0.057 | 7 1.145 | 0 | 100 | 80 | 120 | | | |
| ylenes, Total | 3. | 5 0.1 ⁻ | 3.436 | 0 | 101 | 80 | 120 | | | |
| Surr: 4-Bromofluorob | enzene 1. | 2 | 1.145 | | 102 | 70 | 130 | | | |
| Sample ID: 21069 | 74-002amsd Sa | mpType: N | ISD | Tes | tCode: El | PA Method | 8021B: Volat | tiles | | |
| Client ID: SP-2 | В | atch ID: B | 79210 | F | RunNo: 7 | 9210 | | | | |
| | Analys | is Date: | 6/18/2021 | S | SeqNo: 2 | 780715 | Units: mg/k | (g | | |
| Prep Date: | | | | | | | HighLimit | | RPDLimit | Qual |
| • | Resu | lt PQL | SPK value | SPK Ref Val | %REC | LowLimit | HIGHLIIIII | %RPD | | Quai |
| Analyte | Resu 1. | | | SPK Ref Val 0 | %REC 95.2 | LowLimit 80 | 120 | %RPD 1.59 | 20 | Quai |
| Analyte Benzene | | 1 0.029 |) 1.145 | | | | • | | | Quai |
| Analyte Benzene Toluene | 1. | 1 0.029 1 0.057 |) 1.145 7 1.145 | 0 | 95.2 | 80 | 120 | 1.59 | 20 | Quai |
| Prep Date: Analyte Benzene Foluene Ethylbenzene Kylenes, Total | 1. 1. | 1 0.029 1 0.057 1 0.057 | 1.1451.1451.1451.145 | 0 0 | 95.2 99.2 | 80 80 | 120 120 | 1.59 1.20 | 20 20 | Quai |

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 7

•

| HALL ENVIRONMENTAL ANALYSIS LABORATORY | Hall Environmental Albi TEL: 505-345-3975 Website: clients.ha | 490 uquerq FAX: | 1 Hawkins ue, NM 87 505-345-4 | NE 7109 San 7107 | Pa Sample Log-In Check Lis | | | | | | |
|--|--|-----------------------|-------------------------------------|--|---|-----------------|--|--|--|--|--|
| Client Name: ENSOLUM | Work Order Number: | 210 | 6974 | | RcptNo: | 1 | | | | | |
| Received By: Juan Rojas | 6/18/2021 7:05:00 AM | | | Hears y | | | | | | | |
| Completed By: Isaiah Ortiz | 6/18/2021 7:20:27 AM | | | Juan any | L | | | | | | |
| Reviewed By: JR 6/18/21 | | | | | /~ | | | | | | |
| Chain of Custody | | | | | | | | | | | |
| 1. Is Chain of Custody complete? | | Yes | \checkmark | No 🗌 | Not Present | | | | | | |
| 2. How was the sample delivered? | | <u>Cou</u> | ier | | | | | | | | |
| Log In | | | | | | | | | | | |
| 3. Was an attempt made to cool the samples? | | Yes | \checkmark | No 🗌 | NA 🗌 | | | | | | |
| 4. Were all samples received at a temperature | of >0° C to 6.0°C | Yes | \checkmark | No 🗌 | NA 🗌 | | | | | | |
| 5. Sample(s) in proper container(s)? | | Yes | | No 🗌 | | | | | | | |
| 6. Sufficient sample volume for indicated test(s) |)? | Yes | \checkmark | No 🗌 | | | | | | | |
| 7. Are samples (except VOA and ONG) properly | y preserved? | Yes | \checkmark | No 🗌 | | | | | | | |
| 8. Was preservative added to bottles? | | Yes | | No 🗹 | NA 🗌 | | | | | | |
| 9. Received at least 1 vial with headspace <1/4 | " for AQ VOA? | Yes | | No 🗌 | NA 🔽 | | | | | | |
| 10. Were any sample containers received broker | n? | Yes | | No 🔽 | | 20 | | | | | |
| | | | | | <pre># of preserved bottles checked</pre> | 6.18 | | | | | |
| 11. Does paperwork match bottle labels? | | Yes | \checkmark | No 🗌 | for pH: | • | | | | | |
| (Note discrepancies on chain of custody) | | | | | <pre></pre> <pre>(<2 or > </pre> <pre>Adjusted?</pre> | 12 unless noted | | | | | |
| 12. Are matrices correctly identified on Chain of (13. Is it clear what analyses were requested? | Custody? | | \checkmark | No 🗌 | / lajusted : | \ | | | | | |
| 14. Were all holding times able to be met? | | Yes Yes | | No 🗌 | Checked by: | | | | | | |
| (If no, notify customer for authorization.) | | res | | | checked by. | \sim | | | | | |
| Special Handling (if applicable) | | | | | | | | | | | |
| 15. Was client notified of all discrepancies with t | his order? | Yes | | No 🗌 | NA 🗹 | | | | | | |
| Person Notified: | Date: | or a strand and | | | | | | | | | |
| By Whom: | Via: | eMa | ail 🗌 Ph | none 🦳 Fax | In Person | | | | | | |
| Regarding: | | Sectored Sectores | - Contractor and Press | | CONTRACT, CARE INFORMATION OF CONTRACT, CONTRACT, CARE | | | | | | |
| Client Instructions: | | | | والمحادثين المتحاكم الحالجاني القرار القرومة | | | | | | | |
| 16. Additional remarks: | | | | | | | | | | | |
| | | | | | | | | | | | |
| 17. <u>Cooler Information</u> Cooler No Temp °C Condition Se | eal Intact Seal No S | eal Da | to | Cignod Du | | | | | | | |
| | Present | Gai Da | | Signed By | | | | | | | |

Page 1 of 1

| Received by: Wa: If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. | tate: Time: Relinquished by: | | 8:11 | .26 | | | | | 6/17 1110 S SP-3 | 6/17 1105 2 28-2 | 1-85 S 0011 LIG | Date Time Matrix Sample Name | EDD (Type) I I | Accreditation: Ac Compliance NELAC Other | QA/QC Package: | email or Fax#: | Phone #: | Sw: + 4 87412 | Mailing Address: Loc S Rio Grande | Page | Client: Ensolum LLC | of 152 Chain-of-Custody Record |
|--|------------------------------|--------|-------|-------|----|---|------------|----|------------------|------------------|------------------|---|------------------------|---|----------------|------------------|------------------|-------------------|-----------------------------------|---------------|------------------------|-----------------------------------|
| 01/1/22 150 Date Time 6/16/21 7.10 This serves as notice | Received by: Via: Date Time | | | | | | 12-81-9 02 | ¢3 | 14521 Del 003 | 1402 Jas New 002 | 140 za 1/0 (001 | Container Preservative HEAL No. Type and # Type ZI069.74 | 11 | Sampler: C DHPONTI. | K. Summers | Project Manager: | 05A1226145 | Project #: | Loteral K-54 | Project Name: | Standard CRush 6-18-21 | Turn-Around Time: 160 070 |
| s possi | Ren | | | | | | | | Ŕ | X | $\dot{\tau}$ | BTEX / 🕅 | ITBE | ./ T M | B's (802 | 21) | | | | | | |
| sility. A | Remarks: | | | | | | | | X | X | 4 | TPH:8015 | D(G | R0 / D | RO / MI | RO) | | Te | 490 | | | |
| A F | _ | | | | _ | | _ | | | | | 8081 Pes | ticide | es/808 | 2 PCB's | 6 | | Tel. 505-345-3975 | 4901 Hawkins NE | | | |
| E | Pm | | | | | | - | | | | | EDB (Met | | | | | | 5-34! | awkir | | | Č |
| Incted d | | | | _ | | | - | | | | | PAHs by | | | 70SIMS | ; | | 5-397 | IS NE | | | |
| ata will | 10 | | | | | _ | | - | X | Y. | 20 | RCRA 8 N | | | PQ. | <u>e</u> O. | Ana | 01 | <u>ء</u> ، | halle | | |
| s J Jul | 1 | | | | | _ | | - | | | | 8260 (VO | | 3, 110 | 2, 1 041- | | Analysis Request | Fax | ins NE - Albuquerque, NM | | NALYSTS | |
| L/L/ | 4 | | | | | | | | | | | 8270 (Sei | | DA) | | | Red | 505 | uerqi | name | . E | |
| 1 ated or | | | | | | | | | | | | Total Coli | form | (Prese | ent/Abs | ent) | ques | -345 | ue, N | n letr | | 5 |
| n the ar | | | | | | | | | X | \sim | t | SUI | Fa | cte | | , | t | Fax 505-345-4107 | Albuquerque, NM 87109 | Ď. | BO | 2 |
| $\frac{2U}{15}$ | | | | | | | | | | | | | | | | | | 7 | 7109 | | YSIS LABORATORY | |
| Released to Imag | ing: | 1/6/20 | 22 4: | 13:59 | PM | | | | | | | | | | | | | | | | | |



June 28, 2021

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX:

OrderNo.: 2106B91

Hall Environmental Analysis Laboratory

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

Website: clients.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

RE: Lateral K 54

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 4 sample(s) on 6/23/2021 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 Environmental Analysis Laboratory, Inc.

Lab Order 2106B91

Date Reported: 6/28/2021

| CLIENT: | ENSOLUM | Client Sample ID: S-15 |
|-----------------|--------------|---|
| Project: | Lateral K 54 | Collection Date: 6/22/2021 10:00:00 AM |
| Lab ID: | 2106B91-001 | Matrix: MEOH (SOIL) Received Date: 6/23/2021 8:45:00 AM |

| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch |
|------------------------------------|---------|--------|------------|----|----------------------|--------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst | t: VP |
| Chloride | ND | 61 | mg/Kg | 20 | 6/23/2021 4:34:41 PM | 60865 |
| EPA METHOD 8015D MOD: GASOLINE RA | NGE | | | | Analyst | t: JMR |
| Gasoline Range Organics (GRO) | 48 | 3.6 | mg/Kg | 1 | 6/24/2021 3:47:05 AM | B79322 |
| Surr: BFB | 89.0 | 70-130 | %Rec | 1 | 6/24/2021 3:47:05 AM | B79322 |
| EPA METHOD 8015M/D: DIESEL RANGE C | RGANICS | | | | Analyst | t: SB |
| Diesel Range Organics (DRO) | 24 | 8.9 | mg/Kg | 1 | 6/23/2021 1:44:25 PM | 60851 |
| Motor Oil Range Organics (MRO) | ND | 44 | mg/Kg | 1 | 6/23/2021 1:44:25 PM | 60851 |
| Surr: DNOP | 104 | 70-130 | %Rec | 1 | 6/23/2021 1:44:25 PM | 60851 |
| EPA METHOD 8260B: VOLATILES SHORT | LIST | | | | Analyst | t: JMR |
| Benzene | ND | 0.018 | mg/Kg | 1 | 6/24/2021 3:47:05 AM | A79322 |
| Toluene | ND | 0.036 | mg/Kg | 1 | 6/24/2021 3:47:05 AM | A79322 |
| Ethylbenzene | ND | 0.036 | mg/Kg | 1 | 6/24/2021 3:47:05 AM | A79322 |
| Xylenes, Total | 0.36 | 0.072 | mg/Kg | 1 | 6/24/2021 3:47:05 AM | A79322 |
| Surr: 1,2-Dichloroethane-d4 | 119 | 70-130 | %Rec | 1 | 6/24/2021 3:47:05 AM | A79322 |
| Surr: 4-Bromofluorobenzene | 86.8 | 70-130 | %Rec | 1 | 6/24/2021 3:47:05 AM | A79322 |
| Surr: Dibromofluoromethane | 84.2 | 70-130 | %Rec | 1 | 6/24/2021 3:47:05 AM | A79322 |
| Surr: Toluene-d8 | 110 | 70-130 | %Rec | 1 | 6/24/2021 3:47:05 AM | A79322 |

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2106B91

Date Reported: 6/28/2021

| CLIENT | : ENSOLUM | Client Sample ID: S-16 |
|-----------------|--------------|---|
| Project: | Lateral K 54 | Collection Date: 6/22/2021 10:05:00 AM |
| Lab ID: | 2106B91-002 | Matrix: MEOH (SOIL) Received Date: 6/23/2021 8:45:00 AM |

| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch |
|-------------------------------------|---------|--------|------------|----|----------------------|--------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst | : VP |
| Chloride | ND | 60 | mg/Kg | 20 | 6/23/2021 4:47:05 PM | 60865 |
| EPA METHOD 8015D MOD: GASOLINE RAN | IGE | | | | Analyst | : JMR |
| Gasoline Range Organics (GRO) | 16 | 16 | mg/Kg | 5 | 6/24/2021 4:44:13 AM | B79322 |
| Surr: BFB | 92.4 | 70-130 | %Rec | 5 | 6/24/2021 4:44:13 AM | B79322 |
| EPA METHOD 8015M/D: DIESEL RANGE OF | RGANICS | | | | Analyst | : SB |
| Diesel Range Organics (DRO) | 9.6 | 9.4 | mg/Kg | 1 | 6/23/2021 2:36:52 PM | 60851 |
| Motor Oil Range Organics (MRO) | ND | 47 | mg/Kg | 1 | 6/23/2021 2:36:52 PM | 60851 |
| Surr: DNOP | 109 | 70-130 | %Rec | 1 | 6/23/2021 2:36:52 PM | 60851 |
| EPA METHOD 8260B: VOLATILES SHORT L | .IST | | | | Analyst | : JMR |
| Benzene | ND | 0.080 | mg/Kg | 5 | 6/24/2021 4:44:13 AM | A79322 |
| Toluene | ND | 0.16 | mg/Kg | 5 | 6/24/2021 4:44:13 AM | A79322 |
| Ethylbenzene | ND | 0.16 | mg/Kg | 5 | 6/24/2021 4:44:13 AM | A79322 |
| Xylenes, Total | ND | 0.32 | mg/Kg | 5 | 6/24/2021 4:44:13 AM | A79322 |
| Surr: 1,2-Dichloroethane-d4 | 106 | 70-130 | %Rec | 5 | 6/24/2021 4:44:13 AM | A79322 |
| Surr: 4-Bromofluorobenzene | 98.5 | 70-130 | %Rec | 5 | 6/24/2021 4:44:13 AM | A79322 |
| Surr: Dibromofluoromethane | 89.1 | 70-130 | %Rec | 5 | 6/24/2021 4:44:13 AM | A79322 |
| Surr: Toluene-d8 | 110 | 70-130 | %Rec | 5 | 6/24/2021 4:44:13 AM | A79322 |

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2106B91

Date Reported: 6/28/2021

| CLIENT | : ENSOLUM | Client Sample ID: S-17 |
|-----------------|--------------|---|
| Project: | Lateral K 54 | Collection Date: 6/22/2021 10:10:00 AM |
| Lab ID: | 2106B91-003 | Matrix: MEOH (SOIL) Received Date: 6/23/2021 8:45:00 AM |

| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch |
|--|--------|--------|------------|----|----------------------|--------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst | : VP |
| Chloride | 140 | 60 | mg/Kg | 20 | 6/23/2021 4:59:30 PM | 60865 |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | Analyst | : JMR |
| Gasoline Range Organics (GRO) | ND | 3.2 | mg/Kg | 1 | 6/24/2021 5:12:43 AM | B79322 |
| Surr: BFB | 94.4 | 70-130 | %Rec | 1 | 6/24/2021 5:12:43 AM | B79322 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGAN | NICS | | | | Analyst | SB |
| Diesel Range Organics (DRO) | ND | 9.3 | mg/Kg | 1 | 6/23/2021 2:49:37 PM | 60851 |
| Motor Oil Range Organics (MRO) | ND | 46 | mg/Kg | 1 | 6/23/2021 2:49:37 PM | 60851 |
| Surr: DNOP | 109 | 70-130 | %Rec | 1 | 6/23/2021 2:49:37 PM | 60851 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | Analyst | : JMR |
| Benzene | ND | 0.016 | mg/Kg | 1 | 6/24/2021 5:12:43 AM | A79322 |
| Toluene | ND | 0.032 | mg/Kg | 1 | 6/24/2021 5:12:43 AM | A79322 |
| Ethylbenzene | ND | 0.032 | mg/Kg | 1 | 6/24/2021 5:12:43 AM | A79322 |
| Xylenes, Total | ND | 0.063 | mg/Kg | 1 | 6/24/2021 5:12:43 AM | A79322 |
| Surr: 1,2-Dichloroethane-d4 | 104 | 70-130 | %Rec | 1 | 6/24/2021 5:12:43 AM | A79322 |
| Surr: 4-Bromofluorobenzene | 99.5 | 70-130 | %Rec | 1 | 6/24/2021 5:12:43 AM | A79322 |
| Surr: Dibromofluoromethane | 85.4 | 70-130 | %Rec | 1 | 6/24/2021 5:12:43 AM | A79322 |
| Surr: Toluene-d8 | 108 | 70-130 | %Rec | 1 | 6/24/2021 5:12:43 AM | A79322 |

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

Qualifiers:

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

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2106B91

Date Reported: 6/28/2021

| CLIENT | : ENSOLUM | Client Sample ID: S-18 |
|-----------------|--------------|---|
| Project: | Lateral K 54 | Collection Date: 6/22/2021 10:15:00 AM |
| Lab ID: | 2106B91-004 | Matrix: MEOH (SOIL) Received Date: 6/23/2021 8:45:00 AM |

| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch |
|--|--------|--------|------------|----|----------------------|--------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst | : VP |
| Chloride | 140 | 60 | mg/Kg | 20 | 6/23/2021 5:11:54 PM | 60865 |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | Analyst | JMR |
| Gasoline Range Organics (GRO) | ND | 3.7 | mg/Kg | 1 | 6/24/2021 5:41:22 AM | B79322 |
| Surr: BFB | 88.9 | 70-130 | %Rec | 1 | 6/24/2021 5:41:22 AM | B79322 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGA | NICS | | | | Analyst | SB |
| Diesel Range Organics (DRO) | ND | 8.8 | mg/Kg | 1 | 6/23/2021 3:02:22 PM | 60851 |
| Motor Oil Range Organics (MRO) | ND | 44 | mg/Kg | 1 | 6/23/2021 3:02:22 PM | 60851 |
| Surr: DNOP | 110 | 70-130 | %Rec | 1 | 6/23/2021 3:02:22 PM | 60851 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | Analyst | : JMR |
| Benzene | ND | 0.019 | mg/Kg | 1 | 6/24/2021 5:41:22 AM | A79322 |
| Toluene | ND | 0.037 | mg/Kg | 1 | 6/24/2021 5:41:22 AM | A79322 |
| Ethylbenzene | ND | 0.037 | mg/Kg | 1 | 6/24/2021 5:41:22 AM | A79322 |
| Xylenes, Total | ND | 0.074 | mg/Kg | 1 | 6/24/2021 5:41:22 AM | A79322 |
| Surr: 1,2-Dichloroethane-d4 | 96.7 | 70-130 | %Rec | 1 | 6/24/2021 5:41:22 AM | A79322 |
| Surr: 4-Bromofluorobenzene | 96.0 | 70-130 | %Rec | 1 | 6/24/2021 5:41:22 AM | A79322 |
| Surr: Dibromofluoromethane | 83.2 | 70-130 | %Rec | 1 | 6/24/2021 5:41:22 AM | A79322 |
| Surr: Toluene-d8 | 106 | 70-130 | %Rec | 1 | 6/24/2021 5:41:22 AM | A79322 |

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- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
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| Client: Project: | ENSOLU Lateral K | | | | | | | |
|---------------------|---------------------|----------------|--------------|-------------|---------------------|---------------------|-------------|------|
| Sample ID: | MB-60865 | SampType: | MBLK | Tes | tCode: EPA Method | d 300.0: Anions | | |
| Client ID: | PBS | Batch ID: | 60865 | F | RunNo: 79312 | | | |
| Prep Date: | 6/23/2021 | Analysis Date: | 6/23/2021 | 5 | SeqNo: 2785780 | Units: mg/Kg | | |
| Analyte | | Result PC | QL SPK value | SPK Ref Val | %REC LowLimit | HighLimit %R | PD RPDLimit | Qual |
| Chloride | | ND | 1.5 | | | | | |
| Sample ID: | LCS-60865 | SampType: | LCS | Tes | tCode: EPA Method | d 300.0: Anions | | |
| Client ID: | LCSS | Batch ID: | 60865 | F | RunNo: 79312 | | | |
| Prep Date: | 6/23/2021 | Analysis Date: | 6/23/2021 | 5 | SeqNo: 2785781 | Units: mg/Kg | | |
| Analyte | | Result PC | QL SPK value | SPK Ref Val | %REC LowLimit | HighLimit %R | PD RPDLimit | Qual |
| Chloride | | 14 | 1.5 15.00 | 0 | 93.7 90 | 110 | | |

Qualifiers:

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2106B91

28-Jun-21

WO#:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc

| Page | <i>123</i> | of 152 |
|------|------------|--------|
|------|------------|--------|

2106B91

WO#:

| Hall Envir | onmenta | al Analy | ysis L | Laborat | ory, Inc. | | | | | | 28-Jun-2 |
|---|---------------------|------------|------------------|-----------|-------------|-----------------|-----------|--------------|------------|------------|----------|
| Client: Project: | ENSOLU Lateral K | | | | | | | | | | |
| Sample ID: MB- | 60851 | SampT | ype: ME | BLK | Tes | tCode: E | PA Method | 8015M/D: Die | esel Range | e Organics | |
| Client ID: PBS | i | Batch | ID: 60 | 851 | F | RunNo: 7 | 9290 | | | | |
| Prep Date: 6/2 | 3/2021 | Analysis D | ate: 6/ | 23/2021 | S | SeqNo: 2 | 786477 | Units: mg/K | (g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organi Motor Oil Range Orga Surr: DNOP | . , | ND ND | 10 50 | 40.00 | | | 70 | 420 | | | |
| Suff: DNOP | | 11 | | 10.00 | | 114 | 70 | 130 | | | |
| Sample ID: LCS | -60851 | SampT | ype: LC | S | Tes | tCode: E | PA Method | 8015M/D: Die | esel Range | e Organics | |
| Client ID: LCS | S | Batch | ID: 60 | 851 | F | RunNo: 7 | 9290 | | | | |
| Prep Date: 6/2 | 3/2021 | Analysis D | ate: 6/ | 23/2021 | 5 | SeqNo: 2 | 786478 | Units: mg/K | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organi | cs (DRO) | 46 | 10 | 50.00 | 0 | 92.4 | 68.9 | 141 | | | |
| Surr: DNOP | | 5.2 | | 5.000 | | 104 | 70 | 130 | | | |
| Sample ID: 2106 | B91-001AMS | s SampT | ype: M \$ | 6 | Tes | tCode: E | PA Method | 8015M/D: Die | esel Range | e Organics | |
| Client ID: S-15 | ; | Batch | ID: 60 | 851 | F | RunNo: 7 | 9290 | | | | |
| Prep Date: 6/2 | 3/2021 | Analysis D | ate: 6/ | 23/2021 | S | SeqNo: 2 | 786510 | Units: mg/K | (g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organi | cs (DRO) | 88 | 9.0 | 44.84 | 24.48 | 142 | 15 | 184 | | | |
| Surr: DNOP | | 4.7 | | 4.484 | | 106 | 70 | 130 | | | |
| Sample ID: 2106 | B91-001AMS | D SampT | ype: M \$ | SD | Tes | tCode: E | PA Method | 8015M/D: Die | esel Range | e Organics | |
| Client ID: S-15 | i | Batch | ID: 60 | 851 | F | RunNo: 7 | 9290 | | | | |
| Prep Date: 6/2 | 3/2021 | Analysis D | ate: 6/ | 23/2021 | S | SeqNo: 2 | 786511 | Units: mg/K | (g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Organi | cs (DRO) | 80 | 8.5 | 42.37 | 24.48 | 131 | 15 | 184 | 9.68 | 23.9 | |
| Surr: DNOP | | 4.6 | | 4.237 | | 108 | 70 | 130 | 0 | 0 | |

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- 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

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| Client:ENSOLProject:Lateral I | | | | | | | | | | |
|---|--|--|--|------------------|---|---|---|---------------------------------------|-------------------------|------|
| Sample ID: 100ng Ics | Samp | Гуре: LC | s | Tes | tCode: El | PA Method | 8260B: Volat | iles Short | List | |
| Client ID: LCSS | Batc | h ID: A7 | 9322 | F | RunNo: 7 | 9322 | | | | |
| Prep Date: | Analysis [| Date: 6/2 | 23/2021 | S | SeqNo: 2 | 786194 | Units: mg/K | ſg | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 1.1 | 0.025 | 1.000 | 0 | 109 | 70 | 130 | | | |
| Toluene | 1.1 | 0.050 | 1.000 | 0 | 108 | 70 | 130 | | | |
| Surr: 1,2-Dichloroethane-d4 | 0.51 | | 0.5000 | | 102 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.52 | | 0.5000 | | 103 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 0.51 | | 0.5000 | | 102 | 70 | 130 | | | |
| Surr: Toluene-d8 | 0.52 | | 0.5000 | | 105 | 70 | 130 | | | |
| Sample ID: Ics-60750 | Samp | Гуре: LC | S4 | Tes | tCode: El | PA Method | 8260B: Volat | iles Short | List | |
| Client ID: BatchQC | Batc | h ID: 60 | 750 | F | RunNo: 7 | 9322 | | | | |
| Prep Date: 6/19/2021 | Analysis [| Date: 6/ | 24/2021 | S | SeqNo: 2 | 786195 | Units: %Re | C | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: 1,2-Dichloroethane-d4 | 0.50 | | 0.5000 | | 101 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 0.50 | | 0.5000 | | 101 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 0.44 | | 0.5000 | | 87.2 | 70 | 130 | | | |
| Surr: Toluene-d8 | 0.57 | | 0.5000 | | 114 | 70 | 130 | | | |
| | | | | | | | | | | |
| Sample ID: mb | Samp | Гуре: МЕ | BLK | Tes | tCode: El | PA Method | 8260B: Volat | iles Short | List | |
| Sample ID: mb Client ID: PBS | | Гуре: МЕ h ID: А7 | | | tCode: El RunNo: 7 | | 8260B: Volat | iles Short | List | |
| | | h ID: A7 | 9322 | F | | 9322 | 8260B: Volat Units: mg/K | | List | |
| Client ID: PBS | Batc | h ID: A7 | 9322 23/2021 | F | RunNo: 7 9 SeqNo: 2 | 9322 | | | List RPDLimit | Qual |
| Client ID: PBS Prep Date: | Batc Analysis [| h ID: A7 Date: 6/ | 9322 23/2021 | F | RunNo: 7 9 SeqNo: 2 | 9322 786196 | Units: mg/K | g | | Qual |
| Client ID: PBS Prep Date: Analyte | Batc Analysis I Result | h ID: A7 Date: 6/2 PQL | 9322 23/2021 | F | RunNo: 7 9 SeqNo: 2 | 9322 786196 | Units: mg/K | g | | Qual |
| Client ID: PBS Prep Date: Analyte Benzene | Batc Analysis I Result ND | h ID: A7 Date: 6/ PQL 0.025 | 9322 23/2021 | F | RunNo: 7 9 SeqNo: 2 | 9322 786196 | Units: mg/K | g | | Qual |
| Client ID: PBS Prep Date: Analyte Benzene Toluene | Batc Analysis I Result ND ND | h ID: A7 Date: 6 PQL 0.025 0.050 | 9322 23/2021 | F | RunNo: 7 9 SeqNo: 2 | 9322 786196 | Units: mg/K | g | | Qual |
| Client ID: PBS Prep Date: Analyte Benzene Toluene Ethylbenzene | Batc Analysis I Result ND ND ND | h ID: A7 Date: 6 PQL 0.025 0.050 0.050 | 9322 23/2021 | F | RunNo: 7 9 SeqNo: 2 | 9322 786196 | Units: mg/K | g | | Qual |
| Client ID: PBS Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total | Batc Analysis I Result ND ND ND ND | h ID: A7 Date: 6 PQL 0.025 0.050 0.050 | 9322 23/2021 SPK value | F | RunNo: 7 9 SeqNo: 2 %REC | 9322 786196 LowLimit | Units: mg/K HighLimit | g | | Qual |
| Client ID: PBS Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 1,2-Dichloroethane-d4 | Batc Analysis I Result ND ND ND ND 0.50 | h ID: A7 Date: 6 PQL 0.025 0.050 0.050 | 9322 23/2021 SPK value 0.5000 | F | RunNo: 7 SeqNo: 2 <u>%REC</u> 100 | 9322 786196 LowLimit | Units: mg/K HighLimit 130 | g | | Qual |
| Client ID: PBS Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 1,2-Dichloroethane-d4 Surr: 4-Bromofluorobenzene | Batc Analysis I Result ND ND ND 0.50 0.51 | h ID: A7 Date: 6 PQL 0.025 0.050 0.050 | 9322 23/2021 SPK value 0.5000 0.5000 | F | RunNo: 7 SeqNo: 2 %REC 100 101 | 9322 786196 LowLimit 70 70 | Units: mg/K HighLimit 130 130 | g | | Qual |
| Client ID: PBS Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 1,2-Dichloroethane-d4 Surr: 4-Bromofluorobenzene Surr: Dibromofluoromethane | Batc Analysis I Result ND ND ND 0.50 0.51 0.48 0.52 | h ID: A7 Date: 6 PQL 0.025 0.050 0.050 | 9322 23/2021 SPK value 0.5000 0.5000 0.5000 0.5000 | F SPK Ref Val | RunNo: 7 SeqNo: 2 %REC 100 101 95.9 104 | 9322 786196 LowLimit 70 70 70 70 70 70 | Units: mg/K HighLimit 130 130 130 | Sg %RPD | RPDLimit | Qual |
| Client ID: PBS Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 1,2-Dichloroethane-d4 Surr: 4-Bromofluorobenzene Surr: Dibromofluoromethane Surr: Toluene-d8 | Batc Analysis I Result ND ND ND 0.50 0.51 0.48 0.52 Samp | h ID: A7 Date: 6 /2 0.025 0.050 0.050 0.10 | 9322 23/2021 SPK value 0.5000 0.5000 0.5000 0.5000 | F SPK Ref Val | RunNo: 7 SeqNo: 2 %REC 100 101 95.9 104 | 9322 786196 LowLimit 70 70 70 70 70 70 | Units: mg/K HighLimit 130 130 130 130 | Sg %RPD | RPDLimit | Qual |
| Client ID: PBS Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 1,2-Dichloroethane-d4 Surr: 4-Bromofluorobenzene Surr: Dibromofluoromethane Surr: Toluene-d8 Sample ID: mb-60750 | Batc Analysis I Result ND ND ND 0.50 0.51 0.48 0.52 Samp | h ID: A7 Date: 6 /2 0.025 0.050 0.050 0.10 | 9322 23/2021 SPK value 0.5000 0.5000 0.5000 0.5000 8LK 750 | F SPK Ref Val | RunNo: 7 SeqNo: 2 %REC 100 101 95.9 104 tCode: El | 9322 786196 LowLimit 70 70 70 70 70 70 70 9322 | Units: mg/K HighLimit 130 130 130 130 | ² g %RPD | RPDLimit | Qual |
| Client ID: PBS Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 1,2-Dichloroethane-d4 Surr: 4-Bromofluorobenzene Surr: Dibromofluoromethane Surr: Toluene-d8 Sample ID: mb-60750 Client ID: PBS | Batc Analysis I Result ND ND ND 0.50 0.51 0.48 0.52 Samp Batc | h ID: A7 Date: 6 /2 0.025 0.050 0.050 0.10 | 9322 23/2021 SPK value 0.5000 0.5000 0.5000 0.5000 0.5000 0.5000 24/2021 | F SPK Ref Val | RunNo: 7 SeqNo: 2 %REC 100 101 95.9 104 tCode: El RunNo: 7 | 9322 786196 LowLimit 70 70 70 70 70 70 70 9322 | Units: mg/K HighLimit 130 130 130 130 8260B: Volat | ² g %RPD | RPDLimit | Qual |
| Client ID: PBS Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 1,2-Dichloroethane-d4 Surr: 4-Bromofluorobenzene Surr: Dibromofluoromethane Surr: Toluene-d8 Sample ID: mb-60750 Client ID: PBS Prep Date: 6/19/2021 | Batc Analysis I Result ND ND ND 0.50 0.51 0.48 0.52 Samp Batc Analysis I | h ID: A7 Date: 6 /2 0.025 0.050 0.050 0.10 Type: ME h ID: 60 Date: 6 /2 | 9322 23/2021 SPK value 0.5000 0.5000 0.5000 0.5000 0.5000 0.5000 24/2021 | F SPK Ref Val | RunNo: 7 SeqNo: 2 %REC 100 101 95.9 104 tCode: El RunNo: 7 SeqNo: 2 | 9322 786196 LowLimit 70 70 70 70 70 70 70 70 70 70 70 70 70 | Units: mg/K HighLimit 130 130 130 130 8260B: Volat Units: %Ret | ² g %RPD tiles Short | RPDLimit | |
| Client ID: PBS Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 1,2-Dichloroethane-d4 Surr: 4-Bromofluorobenzene Surr: Dibromofluoromethane Surr: Toluene-d8 Sample ID: mb-60750 Client ID: PBS Prep Date: 6/19/2021 Analyte | Batc Analysis I Result ND ND ND 0.50 0.51 0.48 0.52 Samp Batc Analysis I Result | h ID: A7 Date: 6 /2 0.025 0.050 0.050 0.10 Type: ME h ID: 60 Date: 6 /2 | 9322 23/2021 SPK value 0.5000 0.5000 0.5000 0.5000 0.5000 0.5000 24/2021 SPK value | F SPK Ref Val | RunNo: 7 SeqNo: 2 %REC 100 101 95.9 104 tCode: El RunNo: 7 SeqNo: 2 %REC | 9322 786196 LowLimit 70 70 70 70 70 70 70 70 70 70 70 70 70 | Units: mg/K HighLimit 130 130 130 130 8260B: Volat Units: %Rea HighLimit | ² g %RPD tiles Short | RPDLimit | |
| Client ID: PBS Prep Date: Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 1,2-Dichloroethane-d4 Surr: 4-Bromofluorobenzene Surr: Dibromofluoromethane Surr: Toluene-d8 Sample ID: mb-60750 Client ID: PBS Prep Date: 6/19/2021 Analyte Surr: 1,2-Dichloroethane-d4 | Batc Analysis I Result ND ND ND 0.50 0.51 0.48 0.52 Samp Batc Analysis I Result 0.52 | h ID: A7 Date: 6 /2 0.025 0.050 0.050 0.10 Type: ME h ID: 60 Date: 6 /2 | 9322 23/2021 SPK value 0.5000 0.5000 0.5000 0.5000 0.5000 8LK 750 24/2021 SPK value 0.5000 | F SPK Ref Val | RunNo: 7 SeqNo: 2 %REC 100 101 95.9 104 tCode: El RunNo: 7 SeqNo: 2 %REC 104 | 9322 786196 LowLimit 70 70 70 70 70 70 PA Method 9322 786197 LowLimit 70 | Units: mg/K HighLimit 130 130 130 130 8260B: Volat Units: %Ret HighLimit 130 | ² g %RPD tiles Short | RPDLimit | |

* 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

Released to Imaging: 1/6/2022 4:13:59 PM

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 8

WO#: **2106B91**

28-Jun-21

Page 124 of 152

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| WO#: | 2106B91 |
|------|----------------|
| | AO T AI |

28-Jun-21

| Client: ENSOI Project: Lateral | - | | | | | | | | |
|-----------------------------------|----------------|--------------|-------------|-----------------|----------|--------------|----------|----------|------|
| Sample ID: 2.5ug gro Ics | SampType: L | CS | Tes | Code: EP | A Method | 8015D Mod: 0 | Gasoline | Range | |
| Client ID: LCSS | Batch ID: E | 379322 | R | unNo: 79 | 322 | | | | |
| Prep Date: | Analysis Date: | 6/23/2021 | S | eqNo: 27 | 86226 | Units: mg/K | g | | |
| Analyte | Result PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 25 5. | 0 25.00 | 0 | 98.2 | 70 | 130 | | | |
| Surr: BFB | 480 | 500.0 | | 95.3 | 70 | 130 | | | |
| Sample ID: Ics-60750 | SampType: L | cs | Tes | Code: EP | A Method | 8015D Mod: 0 | Gasoline | Range | |
| Client ID: LCSS | Batch ID: 6 | 60750 | R | unNo: 79 | 322 | | | | |
| Prep Date: 6/19/2021 | Analysis Date: | 6/23/2021 | S | eqNo: 27 | 86227 | Units: %Rec | | | |
| Analyte | Result PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: BFB | 460 | 500.0 | | 92.0 | 70 | 130 | | | |
| Sample ID: mb | SampType: | IBLK | Tes | Code: EP | A Method | 8015D Mod: (| Gasoline | Range | |
| Client ID: PBS | Batch ID: | 379322 | R | unNo: 79 | 322 | | | | |
| Prep Date: | Analysis Date: | 6/23/2021 | S | eqNo: 27 | 86228 | Units: mg/K | g | | |
| Analyte | Result PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND 5. | - | | | | | | | |
| Surr: BFB | 450 | 500.0 | | 89.8 | 70 | 130 | | | |
| Sample ID: mb-60750 | SampType: N | //BLK | Tes | Code: EP | A Method | 8015D Mod: 0 | Gasoline | Range | |
| Client ID: PBS | Batch ID: 6 | 60750 | R | unNo: 79 | 322 | | | | |
| Prep Date: 6/19/2021 | Analysis Date: | 6/24/2021 | S | eqNo: 27 | 86229 | Units: %Rec | : | | |
| Analyte | Result PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: BFB | 470 | 500.0 | | 94.1 | 70 | 130 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical 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 8

| Received by | OCD: 12 | 2/7/2021 | 8:11:26 AM |
|-------------|---------|----------|------------|
|-------------|---------|----------|------------|

| ed by OCD: 12/7/2021 8:11:26 AM | | | | | | Page 12 |
|--|--|-----------------------|---------------------------------------|-----------------------------------|---|--|
| HALL ENVIRONMENTAL ANALYSIS LABORATORY | Hall Environmental Albo TEL: 505-345-3975 Website: clients.ha | 490 uquerq FAX: | 01 Hawkins pue, NM 87 505-345-4 | NE 109 S 107 | San | nple Log-In Check List |
| Client Name: ENSOLUM | Work Order Number: | 210 | 6B91 | | | RcptNo: 1 |
| Received By: Scott Anderson 6/2 | 23/2021 8:45:00 AM | | | 5PL | | ~ |
| Completed By: Desiree Dominguez 6/2 | 23/2021 9:00:41 AM | | | TP- | 3 | |
| Reviewed By: DAD 6.23.21 | | | | | | |
| Chain of Custody | | | | | | |
| 1. Is Chain of Custody complete? | | Yes | \checkmark | No | | Not Present |
| 2. How was the sample delivered? | | Clier | <u>nt</u> | | | |
| Log In | | | | | _ | _ |
| 3. Was an attempt made to cool the samples? | | Yes | \checkmark | No | | NA |
| 4. Were all samples received at a temperature of > | 0° C to 6.0°C | Yes | \checkmark | No | | NA 🗌 |
| 5. Sample(s) in proper container(s)? | | Yes | \checkmark | No | | |
| 5. Sufficient sample volume for indicated test(s)? | | Yes | \checkmark | No | | |
| 7. Are samples (except VOA and ONG) properly pre | eserved? | Yes | \checkmark | No [| | |
| 8. Was preservative added to bottles? | | Yes | | No [| \checkmark | NA 🗌 |
| 9. Received at least 1 vial with headspace <1/4" for | AQ VOA? | Yes | | No [| | NA 🗹 |
| 0. Were any sample containers received broken? | | Yes | | No | V | # of preserved |
| 1. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | | Yes | \checkmark | No [| | bottles checked for pH: (<2 or >12 unless noted) |
| 2. Are matrices correctly identified on Chain of Cust | ody? | Yes | \checkmark | No [| | Adjusted? |
| 3. Is it clear what analyses were requested? | | | \checkmark | No [| | WRA INIC |
| Were all holding times able to be met? (If no, notify customer for authorization.) | | Yes | \checkmark | No [| | Checked by: KPG/RLC 6/23/2 |
| pecial Handling (if applicable) | | | | | | 6/23/2 |
| 5. Was client notified of all discrepancies with this c | order? | Yes | | No | | NA 🗹 |
| Person Notified: | Date: | 1.01.0 TH 10.74 MIRE | | Not that the second second second | orthographic and a second s | |
| By Whom: | Via: | eMa | ail 🗌 Ph | one 🗌 | Fax | In Person |
| Regarding: | | 01.20.0603202 | | an an an table a count table | | |
| Client Instructions: | | | | | | |
| 6. Additional remarks: | | | | | | |
| 7. <u>Cooler Information</u> Cooler No Temp °C Condition Seal In | tact Seal No S | eal Da | ata | Signed D | | |
| 1 1.2 Good Yes | Searing S | ear Da | | Signed B | y . | |

Page 1 of 1

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| HALL ENVIRONMENTAL | ANALYSIS LABORATORY | www.namenvironnnental.com 4901 Hawkins NE - Albuquergue, NM 87109 | Tel. 505-345-3975 Fax 505-345-4107 | Anal | ()1(| SMIS0 PO₄, 5d | 40 ⁵ ' | or s ,, T | -VC | 8 We 8 Me 7, 78 (AO) (AO) | () 0928 () 0728 | × | | + | X | | | | | M Tom Long EE W 53447 Show | b-contracted data will be clearly notated on the analytical report. |
|-------------------------|--|--|------------------------------------|---------------|------------------|--|-------------------|----------------------|-----------------|---|---------------------------------|------------------|-----------------|------------------|------------------|--|--|---|------|---|---|
| | | 901 F | Tel. 5(| | 10 | PCB's O / MR(| | | | | 9 1808 | 1011 | | | | | | | | ks: B. | . Any su |
| | | 7 | | | | r208) s | | | | | | XX | х× | x X | XX | | | _ | | Remarks: | ossibility |
| Time: /// | Standard Rush Standard Project Name: | Lateral K-54 | Project #: | -SYIICC1 A 20 | Project Manager: | immers | T: C DADONYI | On Ice: 🖉 Yes 🚪 🗆 No | # of Coolers: 1 | Cooler Temp(including CF): $\int_{c}^{c} 3 - \sigma_{c} l = l_{T} 2$ (°C) | Container Preservative 2106 B91 | 1422 1/10/ -001 | 100 - 002 | lail = -003 | [les/ -004 | | | | | Via: Date Time | $CDO \Phi^*ZS^*Zl$ |
| Chain-of-Custody Record | SOWM LLC. | Mailing Address: 106 5 his Bandy | 1 87410 | 202hone #: | temail or Fax#: | C Package: Compare Comparison: Comparison Comparison: Comparison Comparison: Comparison Comparison Comparison: Comparison Comparison Comparison: Comparison Comparison: Compa | Az Compliance | Other | EDD (Type) | | Date Time Matrix Sample Name | 6/27 1000 S S-15 | 422 1005 S S-16 | 6/22 1010 5 5-17 | 1/22 1015 5 S-18 | | | | | Time: Relinquished by: 1 14 US Time: Relinquished by: | D |

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July 01, 2021

Kyle Summers ENSOLUM 606 S. Rio Grande Suite A Aztec, NM 87410 TEL: (903) 821-5603 FAX

OrderNo.: 2106C59

Hall Environmental Analysis Laboratory

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

Website: clients.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

RE: Lateral K-54

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 6 sample(s) on 6/24/2021 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 Environmental Analysis Laboratory, Inc.

Lab Order 2106C59

Date Reported: 7/1/2021

| CLIENT: | ENSOLUM | Client Sample ID: TP-1a |
|-----------------|--------------|---|
| Project: | Lateral K-54 | Collection Date: 6/23/2021 10:00:00 AM |
| Lab ID: | 2106C59-001 | Matrix: MEOH (SOIL) Received Date: 6/24/2021 7:50:00 AM |

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--------------------------------------|--------|--------|------|-------|----|-----------------------|--------|
| EPA METHOD 300.0: ANIONS | | | | | | Analyst | : CJS |
| Chloride | ND | 60 | | mg/Kg | 20 | 6/24/2021 9:57:04 AM | 60897 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | GANICS | | | | | Analyst | BRM |
| Diesel Range Organics (DRO) | 21 | 9.6 | | mg/Kg | 1 | 6/24/2021 11:11:43 AM | 60895 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 6/24/2021 11:11:43 AM | 60895 |
| Surr: DNOP | 85.3 | 70-130 | | %Rec | 1 | 6/24/2021 11:11:43 AM | 60895 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | Analyst | : mb |
| Gasoline Range Organics (GRO) | 83 | 16 | | mg/Kg | 5 | 6/24/2021 11:48:00 AM | G79327 |
| Surr: BFB | 153 | 70-130 | S | %Rec | 5 | 6/24/2021 11:48:00 AM | G79327 |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst | : mb |
| Benzene | ND | 0.082 | | mg/Kg | 5 | 6/24/2021 11:48:00 AM | R79327 |
| Toluene | ND | 0.16 | | mg/Kg | 5 | 6/24/2021 11:48:00 AM | R79327 |
| Ethylbenzene | 0.33 | 0.16 | | mg/Kg | 5 | 6/24/2021 11:48:00 AM | R79327 |
| Xylenes, Total | 3.5 | 0.33 | | mg/Kg | 5 | 6/24/2021 11:48:00 AM | R79327 |
| Surr: 4-Bromofluorobenzene | 106 | 70-130 | | %Rec | 5 | 6/24/2021 11:48:00 AM | R79327 |

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

Qualifiers:

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

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2106C59

Date Reported: 7/1/2021

| CLIENT: | ENSOLUM | Client Sample ID: TP-1b |
|----------|--------------|---|
| Project: | Lateral K-54 | Collection Date: 6/23/2021 10:05:00 AM |
| Lab ID: | 2106C59-002 | Matrix: MEOH (SOIL) Received Date: 6/24/2021 7:50:00 AM |

| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch |
|--------------------------------------|--------|--------|------------|----|-----------------------|---------------|
| EPA METHOD 300.0: ANIONS | | | | | Analys | st: CJS |
| Chloride | ND | 60 | mg/Kg | 20 | 6/24/2021 10:09:29 Al | A 60897 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | ANICS | | | | Analys | st: BRM |
| Diesel Range Organics (DRO) | 11 | 10 | mg/Kg | 1 | 6/24/2021 11:36:03 Al | M 60895 |
| Motor Oil Range Organics (MRO) | ND | 50 | mg/Kg | 1 | 6/24/2021 11:36:03 Al | A 60895 |
| Surr: DNOP | 83.5 | 70-130 | %Rec | 1 | 6/24/2021 11:36:03 Al | M 60895 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analys | st: mb |
| Gasoline Range Organics (GRO) | ND | 17 | mg/Kg | 5 | 6/24/2021 12:28:00 PI | M G79327 |
| Surr: BFB | 104 | 70-130 | %Rec | 5 | 6/24/2021 12:28:00 PI | M G79327 |
| EPA METHOD 8021B: VOLATILES | | | | | Analys | st: mb |
| Benzene | ND | 0.084 | mg/Kg | 5 | 6/24/2021 12:28:00 PI | M R79327 |
| Toluene | ND | 0.17 | mg/Kg | 5 | 6/24/2021 12:28:00 PI | M R79327 |
| Ethylbenzene | ND | 0.17 | mg/Kg | 5 | 6/24/2021 12:28:00 PI | M R79327 |
| Xylenes, Total | ND | 0.34 | mg/Kg | 5 | 6/24/2021 12:28:00 PI | M R79327 |
| Surr: 4-Bromofluorobenzene | 96.0 | 70-130 | %Rec | 5 | 6/24/2021 12:28:00 PI | M R79327 |

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

Qualifiers:

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

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2106C59

Date Reported: 7/1/2021

| CLIENT: | ENSOLUM | Client Sample ID: TP-2a |
|----------|--------------|---|
| Project: | Lateral K-54 | Collection Date: 6/23/2021 12:00:00 PM |
| Lab ID: | 2106C59-003 | Matrix: MEOH (SOIL) Received Date: 6/24/2021 7:50:00 AM |

| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch |
|--------------------------------------|--------|--------|------------|----|-----------------------|--------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst | : CJS |
| Chloride | 81 | 59 | mg/Kg | 20 | 6/24/2021 10:21:53 AM | 60897 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | ANICS | | | | Analyst | BRM |
| Diesel Range Organics (DRO) | ND | 9.6 | mg/Kg | 1 | 6/24/2021 12:00:21 PM | 60895 |
| Motor Oil Range Organics (MRO) | ND | 48 | mg/Kg | 1 | 6/24/2021 12:00:21 PM | 60895 |
| Surr: DNOP | 87.4 | 70-130 | %Rec | 1 | 6/24/2021 12:00:21 PM | 60895 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst | : mb |
| Gasoline Range Organics (GRO) | ND | 3.7 | mg/Kg | 1 | 6/24/2021 12:48:00 PM | G79327 |
| Surr: BFB | 86.4 | 70-130 | %Rec | 1 | 6/24/2021 12:48:00 PM | G79327 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | : mb |
| Benzene | ND | 0.018 | mg/Kg | 1 | 6/24/2021 12:48:00 PN | R79327 |
| Toluene | ND | 0.037 | mg/Kg | 1 | 6/24/2021 12:48:00 PM | R79327 |
| Ethylbenzene | ND | 0.037 | mg/Kg | 1 | 6/24/2021 12:48:00 PM | R79327 |
| Xylenes, Total | ND | 0.074 | mg/Kg | 1 | 6/24/2021 12:48:00 PM | R79327 |
| Surr: 4-Bromofluorobenzene | 88.4 | 70-130 | %Rec | 1 | 6/24/2021 12:48:00 PM | R79327 |

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 12

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2106C59

Date Reported: 7/1/2021

| CLIENT: | ENSOLUM | Client Sample ID: TP-2b |
|-----------------|--------------|---|
| Project: | Lateral K-54 | Collection Date: 6/23/2021 12:05:00 PM |
| Lab ID: | 2106C59-004 | Matrix: MEOH (SOIL) Received Date: 6/24/2021 7:50:00 AM |

| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch |
|-------------------------------------|--------|--------|------------|----|-----------------------|--------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst | : CJS |
| Chloride | ND | 60 | mg/Kg | 20 | 6/24/2021 10:34:18 AN | 60897 |
| EPA METHOD 8015M/D: DIESEL RANGE OR | GANICS | | | | Analyst | BRM |
| Diesel Range Organics (DRO) | ND | 9.8 | mg/Kg | 1 | 6/24/2021 12:24:41 PN | 60895 |
| Motor Oil Range Organics (MRO) | ND | 49 | mg/Kg | 1 | 6/24/2021 12:24:41 PN | 60895 |
| Surr: DNOP | 81.9 | 70-130 | %Rec | 1 | 6/24/2021 12:24:41 PN | 60895 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst | : mb |
| Gasoline Range Organics (GRO) | ND | 4.0 | mg/Kg | 1 | 6/24/2021 1:08:00 PM | G79327 |
| Surr: BFB | 91.2 | 70-130 | %Rec | 1 | 6/24/2021 1:08:00 PM | G79327 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | : mb |
| Benzene | ND | 0.020 | mg/Kg | 1 | 6/24/2021 1:08:00 PM | R79327 |
| Toluene | ND | 0.040 | mg/Kg | 1 | 6/24/2021 1:08:00 PM | R79327 |
| Ethylbenzene | ND | 0.040 | mg/Kg | 1 | 6/24/2021 1:08:00 PM | R79327 |
| Xylenes, Total | ND | 0.080 | mg/Kg | 1 | 6/24/2021 1:08:00 PM | R79327 |
| Surr: 4-Bromofluorobenzene | 91.0 | 70-130 | %Rec | 1 | 6/24/2021 1:08:00 PM | R79327 |

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

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Hall Environmental Analysis Laboratory, Inc.

Lab Order 2106C59

Date Reported: 7/1/2021

| CLIENT | ENSOLUM | Client Sample ID: TP-3a |
|-----------------|--------------|---|
| Project: | Lateral K-54 | Collection Date: 6/23/2021 1:00:00 PM |
| Lab ID: | 2106C59-005 | Matrix: MEOH (SOIL) Received Date: 6/24/2021 7:50:00 AM |

| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch |
|-------------------------------------|--------|--------|------------|----|-----------------------|---------|
| EPA METHOD 300.0: ANIONS | | | | | Analys | t: CJS |
| Chloride | 89 | 61 | mg/Kg | 20 | 6/24/2021 10:46:42 AN | 1 60897 |
| EPA METHOD 8015M/D: DIESEL RANGE OR | GANICS | | | | Analys | t: TOM |
| Diesel Range Organics (DRO) | ND | 9.9 | mg/Kg | 1 | 6/24/2021 10:07:25 AM | 1 60895 |
| Motor Oil Range Organics (MRO) | ND | 50 | mg/Kg | 1 | 6/24/2021 10:07:25 AN | 60895 |
| Surr: DNOP | 101 | 70-130 | %Rec | 1 | 6/24/2021 10:07:25 AN | 1 60895 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analys | t: mb |
| Gasoline Range Organics (GRO) | ND | 3.3 | mg/Kg | 1 | 6/24/2021 1:28:00 PM | G79327 |
| Surr: BFB | 96.0 | 70-130 | %Rec | 1 | 6/24/2021 1:28:00 PM | G79327 |
| EPA METHOD 8021B: VOLATILES | | | | | Analys | t: mb |
| Benzene | ND | 0.017 | mg/Kg | 1 | 6/24/2021 1:28:00 PM | R79327 |
| Toluene | ND | 0.033 | mg/Kg | 1 | 6/24/2021 1:28:00 PM | R79327 |
| Ethylbenzene | ND | 0.033 | mg/Kg | 1 | 6/24/2021 1:28:00 PM | R79327 |
| Xylenes, Total | ND | 0.067 | mg/Kg | 1 | 6/24/2021 1:28:00 PM | R79327 |
| Surr: 4-Bromofluorobenzene | 90.8 | 70-130 | %Rec | 1 | 6/24/2021 1:28:00 PM | R79327 |

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 12

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2106C59

Date Reported: 7/1/2021

| CLIENT: ENSOLUM | Client Sample ID: TP-3b |
|-----------------------|---|
| Project: Lateral K-54 | Collection Date: 6/23/2021 1:05:00 PM |
| Lab ID: 2106C59-006 | Matrix: MEOH (SOIL) Received Date: 6/24/2021 7:50:00 AM |

| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch |
|--------------------------------------|--------|--------|------------|----|-----------------------|--------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst | CJS |
| Chloride | 64 | 60 | mg/Kg | 20 | 6/24/2021 10:59:06 AM | 60897 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | ANICS | | | | Analyst | том |
| Diesel Range Organics (DRO) | ND | 9.8 | mg/Kg | 1 | 6/24/2021 10:31:09 AM | 60895 |
| Motor Oil Range Organics (MRO) | ND | 49 | mg/Kg | 1 | 6/24/2021 10:31:09 AM | 60895 |
| Surr: DNOP | 98.9 | 70-130 | %Rec | 1 | 6/24/2021 10:31:09 AM | 60895 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | Analyst | : mb |
| Gasoline Range Organics (GRO) | ND | 3.9 | mg/Kg | 1 | 6/24/2021 1:48:00 PM | G79327 |
| Surr: BFB | 91.7 | 70-130 | %Rec | 1 | 6/24/2021 1:48:00 PM | G79327 |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst | : mb |
| Benzene | ND | 0.020 | mg/Kg | 1 | 6/24/2021 1:48:00 PM | R79327 |
| Toluene | ND | 0.039 | mg/Kg | 1 | 6/24/2021 1:48:00 PM | R79327 |
| Ethylbenzene | ND | 0.039 | mg/Kg | 1 | 6/24/2021 1:48:00 PM | R79327 |
| Xylenes, Total | ND | 0.079 | mg/Kg | 1 | 6/24/2021 1:48:00 PM | R79327 |
| Surr: 4-Bromofluorobenzene | 89.9 | 70-130 | %Rec | 1 | 6/24/2021 1:48:00 PM | R79327 |

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
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- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 6 of 12

| Client: | ENSC | DLUM | | | | | | | | | |
|------------|-----------|--------------|----------------|-----------|-------------|------------------|-----------|--------------|------|----------|------|
| Project: | Later | al K-54 | | | | | | | | | |
| Sample ID: | MB-60897 | SampTyp | be: m t | olk | Tes | tCode: EF | PA Method | 300.0: Anion | S | | |
| Client ID: | PBS | Batch I | D: 60 | 897 | F | unNo: 7 9 | 9336 | | | | |
| Prep Date: | 6/24/2021 | Analysis Dat | ie: 6/ | 24/2021 | 5 | eqNo: 27 | 788030 | Units: mg/K | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | | ND | 1.5 | | | | | | | | |
| Sample ID: | LCS-60897 | SampTyp | be: Ics | 5 | Tes | tCode: EF | PA Method | 300.0: Anion | S | | |
| Client ID: | LCSS | Batch I | D: 60 | 897 | F | unNo: 7 9 | 9336 | | | | |
| Prep Date: | 6/24/2021 | Analysis Dat | ie: 6/ | 24/2021 | 5 | eqNo: 27 | 788031 | 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 | 96.2 | 90 | 110 | | | |

Qualifiers:

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

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

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2106C59

01-Jul-21

WO#:

QC SUMMARY REPORT Hall **E**

| | WO#: | 2106C59 |
|---|------|-----------|
| Environmental Analysis Laboratory, Inc. | | 01-Jul-21 |

| | OLUM ral K-54 | | | |
|---|---|---------------------------|---------------------------------|----------|
| Sample ID: LCS-60895 | SampType: LCS | TestCode: EPA Method | 8015M/D: Diesel Range Organic | s |
| Client ID: LCSS | Batch ID: 60895 | RunNo: 79325 | | |
| Prep Date: 6/24/2021 | Analysis Date: 6/24/2021 | SeqNo: 2786531 | Units: mg/Kg | |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD RPDLim | nit Qual |
| Diesel Range Organics (DRO) Surr: DNOP | 49 10 50.00 4.1 5.000 | 0 98.7 68.9 81.6 70 | 141 130 | |
| Sample ID: MB-60895 | SampType: MBLK | TestCode: EPA Method | 8015M/D: Diesel Range Organic | s |
| Client ID: PBS | Batch ID: 60895 | RunNo: 79325 | | |
| Prep Date: 6/24/2021 | Analysis Date: 6/24/2021 | SeqNo: 2786532 | Units: mg/Kg | |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD RPDLim | nit Qual |
| Diesel Range Organics (DRO) | ND 10 | | | |
| Motor Oil Range Organics (MRC Surr: DNOP |) ND 50 8.2 10.00 | 81.5 70 | 130 | |
| Sample ID: 2106C59-001 | AMS SampType: MS | TostCodo: EDA Mothod | 8015M/D: Diesel Range Organic | • |
| Client ID: TP-1a | Batch ID: 60895 | RunNo: 79325 | loo ismid. Diesei Kange Organic | 5 |
| Prep Date: 6/24/2021 | Analysis Date: 6/24/2021 | SeqNo: 2787405 | Units: mg/Kg | |
| Analyte | Result PQL SPK value | | 0.0 | sit Qual |
| Diesel Range Organics (DRO) | 69 9.8 49.21 | 21.46 96.1 15 | 184 | nit Qual |
| Surr: DNOP | 4.0 4.921 | 81.4 70 | 130 | |
| Sample ID: 2106C59-001 | AMSD SampType: MSD | TestCode: EPA Method | 8015M/D: Diesel Range Organic | s |
| Client ID: TP-1a | Batch ID: 60895 | RunNo: 79325 | | |
| Prep Date: 6/24/2021 | Analysis Date: 6/24/2021 | SeqNo: 2787406 | Units: mg/Kg | |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD RPDLim | iit Qual |
| Diesel Range Organics (DRO) | 67 9.6 48.12 | 21.46 94.4 15 | 184 2.72 23. | |
| Surr: DNOP | 4.2 4.812 | 88.1 70 | 130 0 | 0 |
| Sample ID: LCS-60867 | SampType: LCS | TestCode: EPA Method | 8015M/D: Diesel Range Organic | s |
| Client ID: LCSS | Batch ID: 60867 | RunNo: 79325 | | |
| Prep Date: 6/23/2021 | Analysis Date: 6/24/2021 | SeqNo: 2787407 | Units: %Rec | |
| Analyte | | SPK Ref Val %REC LowLimit | 0 | nit Qual |
| Surr: DNOP | 4.3 5.000 | 85.6 70 | 130 | |
| Sample ID: MB-60867 | SampType: MBLK | TestCode: EPA Method | 8015M/D: Diesel Range Organic | s |
| Client ID: PBS | Batch ID: 60867 | RunNo: 79325 | | |
| Prep Date: 6/23/2021 | Analysis Date: 6/24/2021 | SeqNo: 2787409 | Units: %Rec | |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD RPDLim | nit Qual |

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 8 of 12

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

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01-Jul-21

WO#:

| Sample ID:MB-60867SampType:MBLKTestCode:EPA Method 8015M/D:DiesClient ID:PBSBatch ID:60867RunNo:79325Prep Date:6/23/2021Analysis Date:6/24/2021SeqNo:2787409Units:%RecAnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimitSurr: DNOP8.710.0086.770130Sample ID:LCS-60876SampType:LCSTestCode:EPA Method 8015M/D:DiesClient ID:LCSSBatch ID:60876RunNo:79325Prep Date:6/23/2021Analysis Date:6/25/2021SeqNo:2789216Units:%Rec | %RPD RPDLimit Qu | ual |
|---|--------------------|-----|
| Prep Date:6/23/2021Analysis Date:6/24/2021SeqNo:2787409Units:%RecAnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimitSurr: DNOP8.710.0086.770130Sample ID:LCS-60876SampType:LCSTestCode:EPA Method 8015M/D:DiesClient ID:LCSSBatch ID:60876RunNo:79325 | %RPD RPDLimit Qu | ual |
| Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit Surr: DNOP 8.7 10.00 86.7 70 130 Sample ID: LCS-60876 SampType: LCS TestCode: EPA Method 8015M/D: Dies Client ID: LCSS Batch ID: 60876 RunNo: 79325 | %RPD RPDLimit Qu | ual |
| Surr: DNOP 8.7 10.00 86.7 70 130 Sample ID: LCS-60876 SampType: LCS TestCode: EPA Method 8015M/D: Dies Client ID: LCSS Batch ID: 60876 RunNo: 79325 | | ual |
| Sample ID: LCS-60876 SampType: LCS TestCode: EPA Method 8015M/D: Dies Client ID: LCSS Batch ID: 60876 RunNo: 79325 | sel Range Organics | |
| Client ID: LCSS Batch ID: 60876 RunNo: 79325 | sel Range Organics | |
| | | |
| Pren Date: 6/23/2021 Analysis Date: 6/25/2021 SegNo: 2780216 Units: %Rec | | |
| | : | |
| Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit | %RPD RPDLimit Qu | ual |
| Surr: DNOP 4.2 5.000 83.2 70 130 | | |
| Sample ID: MB-60876 SampType: MBLK TestCode: EPA Method 8015M/D: Dies | sel Range Organics | |
| Client ID: PBS Batch ID: 60876 RunNo: 79325 | | |
| Prep Date: 6/23/2021 Analysis Date: 6/25/2021 SeqNo: 2789218 Units: %Rec | : | |
| Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit | %RPD RPDLimit Qu | ual |
| Surr: DNOP 9.3 10.00 92.6 70 130 | | |
| Sample ID: MB-60915 SampType: MBLK TestCode: EPA Method 8015M/D: Dies | sel Range Organics | |
| Client ID: PBS Batch ID: 60915 RunNo: 79325 | | |
| Prep Date: 6/24/2021 Analysis Date: 6/26/2021 SeqNo: 2789501 Units: %Rec | ; | |
| Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit | %RPD RPDLimit Qu | ual |
| Surr: DNOP 9.8 10.00 98.4 70 130 | | |
| Sample ID: LCS-60915 SampType: LCS TestCode: EPA Method 8015M/D: Dies | sel Range Organics | |
| Client ID: LCSS Batch ID: 60915 RunNo: 79325 | | |
| Prep Date: 6/24/2021 Analysis Date: 6/26/2021 SeqNo: 2789503 Units: %Rec | ; | |
| Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit | %RPD RPDLimit Qu | ual |
| Surr: DNOP 4.7 5.000 93.7 70 130 | | |
| Sample ID: LCS-60942 SampType: LCS TestCode: EPA Method 8015M/D: Dies | sel Range Organics | |
| Client ID: LCSS Batch ID: 60942 RunNo: 79325 | | |
| Prep Date: 6/26/2021 Analysis Date: 6/27/2021 SeqNo: 2789806 Units: %Rec | : | |
| Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit | %RPD RPDLimit Qu | ual |
| Surr: DNOP 3.7 5.000 74.6 70 130 | | |

Qualifiers:

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

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

2106C59

01-Jul-21

WO#:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| | SOLUM eral K-54 | | | | | | | | |
|----------------------|--------------------|-------------------|-------------|-----------|-----------|--------------|-----------|------------|------|
| Sample ID: MB-60942 | SampTy | /pe: MBLK | Tes | tCode: EF | PA Method | 8015M/D: Die | esel Rang | e Organics | |
| Client ID: PBS | R | RunNo: 7 9 | 9325 | | | | | | |
| Prep Date: 6/26/2021 | Analysis Da | ate: 6/27/2021 | S | SeqNo: 27 | 789807 | Units: %Red | 2 | | |
| Analyte | Result | PQL SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Surr: DNOP | 7.4 | 10.00 | | 74.2 | 70 | 130 | | | |

Qualifiers:

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

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

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| C SUMMART REFORT | WO#: | 2106C59 |
|---|------|-----------|
| all Environmental Analysis Laboratory, Inc. | | 01-Jul-21 |

| | ENSOLUM Lateral K-5 | | | | | | | | | | |
|---|------------------------|------------|---------------|-----------|-------------|-----------|-----------|--------------------|-----------|----------|------|
| Sample ID: 2.5UG GRO LCS SampType: LCS TestCode: EPA Method 8015D: Gasoline Range | | | | | | | | | e | | |
| Client ID: LCSS | | Batch | 1D: G7 | 9327 | F | RunNo: 7 | 9327 | | | | |
| Prep Date: | ŀ | Analysis D | ate: 6/ | 24/2021 | 5 | SeqNo: 2 | 786724 | Units: mg/K | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (| GRO) | 25 | 5.0 | 25.00 | 0 | 98.7 | 78.6 | 131 | | | |
| Surr: BFB | | 1300 | | 1000 | | 125 | 70 | 130 | | | |
| Sample ID: mb | | SampT | уре: М | BLK | Tes | tCode: El | PA Method | 8015D: Gaso | line Rang | e | |
| Client ID: PBS | | Batch | n ID: G7 | 9327 | F | RunNo: 7 | 9327 | | | | |
| Prep Date: | ŀ | Analysis D | ate: 6/ | 24/2021 | 5 | SeqNo: 2 | 786725 | Units: mg/K | (g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (| GRO) | ND | 5.0 | | | | | | | | |
| Surr: BFB | | 970 | | 1000 | | 97.0 | 70 | 130 | | | |

Qualifiers:

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- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

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| | WO#: | 2106C59 |
|--|------|-----------|
| Hall Environmental Analysis Laboratory, Inc. | | 01-Jul-21 |

| Client: | ENSOLUM |
|----------|--------------|
| Project: | Lateral K-54 |

| Latera | IX 51 | | | | | | | | | |
|----------------------------|------------|------------------|-----------|-------------|-----------|-----------|--------------------|------|----------|------|
| Sample ID: mb | SampT | уре: МЕ | BLK | Test | tCode: El | PA Method | 8021B: Volat | iles | | |
| Client ID: PBS | Batc | Batch ID: R79327 | | | unNo: 7 | 9327 | | | | |
| Prep Date: | Analysis E | Date: 6/ | 24/2021 | S | eqNo: 2 | 786726 | 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: 4-Bromofluorobenzene | 0.98 | | 1.000 | | 98.1 | 70 | 130 | | | |

Qualifiers:

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- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

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.

| | /7/2021 8:11:26 AM Onmental (Sis Ratory | Hall Environmental | 4901 Hawki uquerque, NM 5 FAX: 505-345 | Page Sample Log-In Check List | | | | |
|----------------------------|---|--------------------------|--|--|--|--------------|--|--|
| Client Name: | ENSOLUM | Work Order Number | 2106C59 | | RcptNo: 1 | | | |
| Received By: | Juan Rojas | 6/24/2021 7:50:00 AM | I | Hearing | 9 | | | |
| Completed By: | Cheyenne Cason | 6/24/2021 8:02:33 AM | l | General Charles | | | | |
| Reviewed By: | TO | 624-21 | | | | | | |
| Chain of Cus | tody | | | | | | | |
| 1. Is Chain of Cu | stody complete? | | Yes 🗹 | No 🗌 | Not Present | | | |
| 2. How was the | sample delivered? | | Courier | | | | | |
| Log In 3. Was an attern | pt made to cool the san | nples? | Yes 🗹 | No 🗌 | NA 🗌 | | | |
| 4. Were all samp | les received at a tempe | rature 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 | test(s)? | Yes 🗸 | No 🗌 | | | | |
| 7. Are samples (e | except VOA and ONG) p | properly preserved? | Yes 🗹 | No 🗌 | | | | |
| 8. Was preservat | ive added to bottles? | | Yes | No 🔽 | NA 🗌 | | | |
| 9. Received at le | ast 1 vial with headspac | e <1/4" for AQ VOA? | Yes | No 🗌 | NA 🗹 | | | |
| 10. Were any sam | ple containers received | broken? | Yes 🗌 | No 🗸 | # of preserved | / | | |
| | rk match bottle labels? ncies on chain of custor | dy) | Yes 🗹 | No 🗌 | bottles checked for pH: (<2 or >12 u | nless noted) | | |
| 12. Are matrices c | orrectly identified on Ch | ain of Custody? | Yes 🗹 | No 🗌 | Adjusted? | | | |
| | analyses were requeste | | Yes 🗹 | No 🗌 | 101 | 11- | | |
| | g times able to be met? stomer for authorizatior | | Yes 🗹 | No 🗌 | Checked by: MDG | 1 6/25 | | |
| Special Handli | ng (if applicable) | | | | | | | |
| 15. Was client not | ified of all discrepancies | s with this order? | Yes 🗌 | No | NA 🗹 | | | |
| Person | Notified: | Date: | | 2 W (2) (2) (2) (2) (2) (2) (2) (| aut. | | | |
| By Who | m: [| Via: | eMail | Phone 🗌 Fa | ax 🗌 In Person | | | |
| Regardi | - / | | | | | | | |
| Client In | structions: | | | | En en estado un a la companya de la | | | |
| 16. Additional rer | narks: | | | | | | | |
| 17. Cooler Inform | nation | | | | | | | |
| Cooler No | Temp °C Condition | n Seal Intact Seal No S | Seal Date | Signed By | | | | |
| 1 | 2.1 Good | | | | | | | |

0

Page 1 of 1

| Received by (| OCD: | : 12/ | /7/20 | 21 | 8:11 | :26 A | M | | | | | | 1 | | | 1 | 1 | | | | | Pag | е 142 о | f 152 |
|---|---------------------------|---|------------------------------------|------------------|-------------------|--------------------|-------------|----------------|-------------------|-----------------------|---|---|-------------------|-------------------|-------------------|---------------------------------------|------------------|------------------|--|--|---|-----------------------------|----------------------------------|---|
| HALL ENVIRONMENTAL ANALYSIS LABORATORY | www.hallenvironmental.com | 4901 Hawkins NE - Albuquerque, NM 87109 | Tel. 505-345-3975 Fax 505-345-4107 | Analysis Request | | ર્ [⊭] ⊖લ | ± 'ک ۵۷۷ | т) ИО́ | IO (| 31()))))) | 3 V(6 1 → 6 7 → 6 7 → 6 7 → 6 | ерв (М) РАНа b RCRA i CI, ř, ř, J Z (S S 250 (У S 1610 C | × | | | , , , , , , , , , , , , , , , , , , , | X | , T | | | | N. TOm long M. | how & | o-contracted data will be clearly notated on the analytical report. |
| | | 01 H | el. 50 | | | s'BC | 5 F | 808 | /sə | bic | oitee | 9 1808 | | | | | | | | | | d H | | Any su |
| | | 49 | Τe | | | | | | | | 5.5 | 08:H9T | X | X | X | ${}$ | 7 | 4 | | | | Remarks: | | bility. |
| | | | | | (1 | 208) : | s;8 | WŲ. | / 3 | 18 | Ę | X TEX / | X | \succ | S | X | X | X | | | | Ren | | s possi |
| Turn-Around Time: <i>Mと</i> る □ Standard 文Rush <i>とつ</i> ゲン) | | Loteral R-54 | | 0541221145 | Project Manager: | K Summers | < | I. O DHPON | Unice: JAYes Divo | | Cooler Temp(including cF): 7,3-0.7:2,1 (°C) | Container Preservative HEAL No. Type and # Type 2.100.059 | | 1 241, 002 | In co3 | Coul Coul | Sar are | 1 101 000 | | | ~ | Received by: Via: Date Time | Received by: Via: Via: Date Time | s. This serve |
| Chain-of-Custody Record | magi | INIAII | Swit A STAND | Phone #: | 5 cemail or Fax#: | QA/QC Package: | | Accreditation: | | | | Date Time Matrix Sample Name | 4/33 1000 5 TP-1a | 6/23 1005 S TP-16 | (23 12000 5 TP-29 | 423 LOS S 77-26 | 433 1300 5 TP-32 | 423 1305 5 TP-31 | | | | ZI ISDS | Date: Time: Relinduished by: | If necessary, samples submitted to Hall Environmental maybe sub- |



July 01, 2021

Kyle Summers Ensolum 606 S Rio Grande Ste A Aztec, NM 87410 TEL: (903) 821-5603 FAX

RE: Lateral K-54

OrderNo.: 2106E84

Hall Environmental Analysis Laboratory

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

Website: clients.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 2 sample(s) on 6/29/2021 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 Environmental Analysis Laboratory, Inc.

Lab Order 2106E84

Date Reported: 7/1/2021

| CLIENT | Ensolum | Client Sample ID: S-19 |
|-----------------|--------------|---|
| Project: | Lateral K-54 | Collection Date: 6/28/2021 11:00:00 AM |
| Lab ID: | 2106E84-001 | Matrix: MEOH (SOIL) Received Date: 6/29/2021 8:00:00 AM |

| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch |
|--|--------|--------|------------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analyst | : VP |
| Chloride | 160 | 60 | mg/Kg | 20 | 6/29/2021 10:36:37 AM | 60993 |
| EPA METHOD 8015D MOD: GASOLINE RANGE | | | | | Analyst | RAA |
| Gasoline Range Organics (GRO) | ND | 4.5 | mg/Kg | 1 | 6/29/2021 2:28:07 PM | 60986 |
| Surr: BFB | 108 | 70-130 | %Rec | 1 | 6/29/2021 2:28:07 PM | 60986 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGAI | NICS | | | | Analyst | SB |
| Diesel Range Organics (DRO) | ND | 8.9 | mg/Kg | 1 | 6/29/2021 10:24:13 AM | 60992 |
| Motor Oil Range Organics (MRO) | ND | 45 | mg/Kg | 1 | 6/29/2021 10:24:13 AM | 60992 |
| Surr: DNOP | 105 | 70-130 | %Rec | 1 | 6/29/2021 10:24:13 AM | 60992 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | Analyst | RAA |
| Benzene | ND | 0.023 | mg/Kg | 1 | 6/29/2021 2:28:07 PM | 60986 |
| Toluene | ND | 0.045 | mg/Kg | 1 | 6/29/2021 2:28:07 PM | 60986 |
| Ethylbenzene | ND | 0.045 | mg/Kg | 1 | 6/29/2021 2:28:07 PM | 60986 |
| Xylenes, Total | ND | 0.091 | mg/Kg | 1 | 6/29/2021 2:28:07 PM | 60986 |
| Surr: 1,2-Dichloroethane-d4 | 107 | 70-130 | %Rec | 1 | 6/29/2021 2:28:07 PM | 60986 |
| Surr: 4-Bromofluorobenzene | 112 | 70-130 | %Rec | 1 | 6/29/2021 2:28:07 PM | 60986 |
| Surr: Dibromofluoromethane | 107 | 70-130 | %Rec | 1 | 6/29/2021 2:28:07 PM | 60986 |
| Surr: Toluene-d8 | 99.3 | 70-130 | %Rec | 1 | 6/29/2021 2:28:07 PM | 60986 |

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 1 of 6

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2106E84

Date Reported: 7/1/2021

| CLIENT | Ensolum | Client Sample ID: S-20 |
|-----------------|--------------|---|
| Project: | Lateral K-54 | Collection Date: 6/28/2021 11:05:00 AM |
| Lab ID: | 2106E84-002 | Matrix: MEOH (SOIL) Received Date: 6/29/2021 8:00:00 AM |

| Analyses | Result | RL | Qual Units | DF | Date Analyzed | Batch |
|------------------------------------|---------|--------|------------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS | | | | | Analys | : VP |
| Chloride | 160 | 60 | mg/Kg | 20 | 6/29/2021 10:49:01 AM | 60993 |
| EPA METHOD 8015D MOD: GASOLINE RA | NGE | | | | Analys | : RAA |
| Gasoline Range Organics (GRO) | ND | 3.7 | mg/Kg | 1 | 6/29/2021 2:00:56 PM | 60986 |
| Surr: BFB | 102 | 70-130 | %Rec | 1 | 6/29/2021 2:00:56 PM | 60986 |
| EPA METHOD 8015M/D: DIESEL RANGE C | RGANICS | | | | Analys | : SB |
| Diesel Range Organics (DRO) | ND | 9.7 | mg/Kg | 1 | 6/29/2021 10:36:26 AM | 60992 |
| Motor Oil Range Organics (MRO) | ND | 48 | mg/Kg | 1 | 6/29/2021 10:36:26 AN | 60992 |
| Surr: DNOP | 93.9 | 70-130 | %Rec | 1 | 6/29/2021 10:36:26 AM | 60992 |
| EPA METHOD 8260B: VOLATILES SHORT | LIST | | | | Analys | : RAA |
| Benzene | ND | 0.019 | mg/Kg | 1 | 6/29/2021 2:00:56 PM | 60986 |
| Toluene | ND | 0.037 | mg/Kg | 1 | 6/29/2021 2:00:56 PM | 60986 |
| Ethylbenzene | ND | 0.037 | mg/Kg | 1 | 6/29/2021 2:00:56 PM | 60986 |
| Xylenes, Total | ND | 0.075 | mg/Kg | 1 | 6/29/2021 2:00:56 PM | 60986 |
| Surr: 1,2-Dichloroethane-d4 | 104 | 70-130 | %Rec | 1 | 6/29/2021 2:00:56 PM | 60986 |
| Surr: 4-Bromofluorobenzene | 103 | 70-130 | %Rec | 1 | 6/29/2021 2:00:56 PM | 60986 |
| Surr: Dibromofluoromethane | 103 | 70-130 | %Rec | 1 | 6/29/2021 2:00:56 PM | 60986 |
| Surr: Toluene-d8 | 99.5 | 70-130 | %Rec | 1 | 6/29/2021 2:00:56 PM | 60986 |

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 6

14

1.5

15.00

| Client: Project: | Ensolum Lateral K | -54 | | | | | | | |
|---------------------|----------------------|----------------|--------------|-------------|-----------------------|---------------|------|----------|------|
| Sample ID: M | B-60993 | SampType | MBLK | Tes | tCode: EPA Method | 300.0: Anions | 5 | | |
| Client ID: P | BS | Batch ID: | 60993 | F | RunNo: 79428 | | | | |
| Prep Date: | 6/29/2021 | Analysis Date: | 6/29/2021 | S | SeqNo: 2792934 | Units: mg/Kg | g | | |
| Analyte | | Result P | QL SPK value | SPK Ref Val | %REC LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | | ND | 1.5 | | | | | | |
| Sample ID: L | CS-60993 | SampType | LCS | Tes | tCode: EPA Method | 300.0: Anions | 6 | | |
| Client ID: L | CSS | Batch ID: | 60993 | F | RunNo: 79428 | | | | |
| Prep Date: | 6/29/2021 | Analysis Date: | 6/29/2021 | S | SeqNo: 2792935 | Units: mg/Kg | g | | |
| Analyte | | Result P | QL SPK value | SPK Ref Val | %REC LowLimit | HighLimit | %RPD | RPDLimit | Qual |

0

94.7

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

2106E84

01-Jul-21

WO#:

QC SUMMARY REPORT Hal

| C SUMMART REFORT | WO#: | 2106E84 |
|---|------|-----------|
| all Environmental Analysis Laboratory, Inc. | | 01-Jul-21 |

| Client: | Ensolum | | | | | | | | | | |
|-------------------|----------------|-------------|----------------|-----------|-------------|------------------|-----------|--------------|------------|------------|------|
| Project: | Lateral K- | -54 | | | | | | | | | |
| Sample ID: M | B-60992 | SampTy | /pe: ME | BLK | Tes | tCode: EF | PA Method | 8015M/D: Di | esel Range | e Organics | |
| Client ID: PI | BS | Batch | ID: 60 | 992 | F | unNo: 7 9 | 9437 | | | | |
| Prep Date: 6 | 6/29/2021 | Analysis Da | ate: 6/ | 29/2021 | S | eqNo: 2 | 792470 | Units: mg/k | g | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Orga | anics (DRO) | ND | 10 | | | | | | | | |
| Motor Oil Range C | Organics (MRO) | ND | 50 | | | | | | | | |
| Surr: DNOP | | 11 | | 10.00 | | 109 | 70 | 130 | | | |
| Sample ID: LO | CS-60992 | SampTy | /pe: LC | S | Tes | tCode: EF | PA Method | 8015M/D: Di | esel Range | e Organics | |
| Client ID: LO | CSS | Batch | ID: 60 | 992 | F | unNo: 79 | 9437 | | | | |
| Prep Date: 6 | 6/29/2021 | Analysis Da | ate: 6/ | 29/2021 | S | eqNo: 27 | 792471 | Units: mg/k | íg | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Org | anics (DRO) | 48 | 10 | 50.00 | 0 | 95.4 | 68.9 | 141 | | | |
| Surr: DNOP | | 5.4 | | 5.000 | | 108 | 70 | 130 | | | |
| Sample ID: 21 | 106E84-001AMS | SampTy | /pe: MS | 3 | Tes | tCode: EF | PA Method | 8015M/D: Die | esel Range | e Organics | |
| Client ID: S- | -19 | Batch | ID: 60 | 992 | F | unNo: 79 | 9437 | | | | |
| Prep Date: 6 | 6/29/2021 | Analysis Da | ate: 6/ | 29/2021 | S | eqNo: 27 | 792474 | Units: mg/k | íg | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Org | anics (DRO) | 47 | 9.8 | 49.21 | 8.029 | 79.8 | 15 | 184 | | | |
| Surr: DNOP | | 4.7 | | 4.921 | | 96.1 | 70 | 130 | | | |
| Sample ID: 21 | 106E84-001AMSD | SampTy | /pe: MS | SD | Tes | tCode: EF | PA Method | 8015M/D: Die | esel Range | e Organics | |
| Client ID: S- | -19 | Batch | ID: 60 | 992 | F | unNo: 7 9 | 9437 | | | | |
| Prep Date: 6 | 6/29/2021 | Analysis Da | ate: 6/ | 29/2021 | S | eqNo: 2 | 792475 | Units: mg/k | íg | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Diesel Range Orga | anics (DRO) | 44 | 9.1 | 45.66 | 8.029 | 78.1 | 15 | 184 | 7.98 | 23.9 | |
| Surr: DNOP | | 4.6 | | 4.566 | | 100 | 70 | 130 | 0 | 0 | |

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

RL Reporting Limit **Client:**

Project:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

| Ensolum |
|--------------|
| Lateral K-54 |

| Sample ID: Ics-60986 | SampType: LCS TestCode: EPA Method 8260B: Volatiles Short List | | | | | | | | | | |
|-----------------------------|--|-----------------|-----------|--|------------------|----------|--------------|------|----------|------|--|
| Client ID: LCSS | Batc | h ID: 609 | 986 | RunNo: 79445 | | | | | | | |
| Prep Date: 6/28/2021 | Analysis [| Date: 6/ | 29/2021 | S | eqNo: 27 | 793649 | Units: mg/Kg | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | |
| Benzene | 1.1 | 0.025 | 1.000 | 0 | 109 | 70 | 130 | | | | |
| Toluene | 1.0 | 0.050 | 1.000 | 0 | 105 | 70 | 130 | | | | |
| Surr: 1,2-Dichloroethane-d4 | 0.53 | | 0.5000 | | 107 | 70 | 130 | | | | |
| Surr: 4-Bromofluorobenzene | 0.56 | | 0.5000 | | 112 | 70 | 130 | | | | |
| Surr: Dibromofluoromethane | 0.53 | | 0.5000 | | 106 | 70 | 130 | | | | |
| Surr: Toluene-d8 | 0.47 | | 0.5000 | | 94.9 | 70 | 130 | | | | |
| Sample ID: mb-60986 | Samp | Гуре: МЕ | BLK | TestCode: EPA Method 8260B: Volatiles Short List | | | | | | | |
| Client ID: PBS | Batc | h ID: 609 | 986 | R | unNo: 7 9 | 9445 | | | | | |
| Prep Date: 6/28/2021 | Analysis [| Date: 6/ | 29/2021 | S | eqNo: 27 | 793650 | 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 | 0.52 | | 0.5000 | | 104 | 70 | 130 | | | | |
| Surr: 4-Bromofluorobenzene | 0.53 | | 0.5000 | | 107 | 70 | 130 | | | | |
| | | | | | | | | | | | |
| Surr: Dibromofluoromethane | 0.51 | | 0.5000 | | 102 | 70 | 130 | | | | |

Qualifiers:

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- 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
- Reporting Limit RL

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WO#: 2106E84

01-Jul-21

Ensolum

Client:

| QC SUMMART REFORT | WO#: | 2106E84 |
|--|------|-----------|
| Hall Environmental Analysis Laboratory, Inc. | | 01-Jul-21 |

| Sample ID: LCS-60986 | SampT | ampType: LCS TestCode: EPA Method 8015D Mod: Gasoline Range | | | | | | | | |
|-------------------------------|------------|---|---------------------------------------|-------------|-----------|-----------|--------------------|----------|----------|------|
| Client ID: LCSS | Batcl | n ID: 60 | 986 | F | RunNo: 7 | 9445 | | | | |
| Prep Date: 6/28/2021 | Analysis D | Date: 6/ | 6/29/2021 SeqNo: 2793696 Units: mg/Kg | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 25 | 5.0 | 25.00 | 0 | 99.0 | 70 | 130 | | | |
| Surr: BFB | 520 | | 500.0 | | 104 | 70 | 130 | | | |
| Sample ID: mb-60986 | SampT | ype: ME | BLK | Tes | tCode: El | PA Method | 8015D Mod: | Gasoline | Range | |
| Client ID: PBS | Batcl | n ID: 60 | 986 | F | RunNo: 7 | 9445 | | | | |
| Prep Date: 6/28/2021 | Analysis D | Date: 6/ | 29/2021 | S | SeqNo: 2 | 793728 | Units: mg/# | (g | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| | | | | | | | | | | |
| Gasoline Range Organics (GRO) | ND | 5.0 | | | | | | | | |

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

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| Page | 150 | of | 152 |
|------|-----|----|-----|
| | | ~ | _ |

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| | /7/2021 8:11:26 AM Onmental (SIS Ratory | TEL: 505-345 | ntal Analysis Labo 4901 Hawk Albuquerque, NM 8975 FAX: 505-34 ts.hallenvironment | sins NE 87109 Sai 5-4107 | Sample Log-In Check L | | | | |
|---------------------|--|------------------------|--|---------------------------------------|-----------------------------------|-----------------|--|--|--|
| Client Name: | ENSOLUM | Work Order Num | ber: 2106E84 | | RcptNo | : 1 | | | |
| Received By: | Juan Rojas | 6/29/2021 8:00:00 | AM | Howay S-L | | | | | |
| Completed By: | Sean Livingston | 6/29/2021 8:12:30 | АМ | \leq / | / | | | | |
| Reviewed By: | JR 6/29/2 | (| |)C | John | | | | |
| Chain of Cust | tody | | | | | | | | |
| 1. Is Chain of Cu | istody complete? | | Yes 🖌 | No 🗌 | Not Present | | | | |
| 2. How was the s | sample delivered? | | Courier | | | | | | |
| Log In | | | | | | | | | |
| 3. Was an attemp | pt made to cool the samp | les? | Yes 🗹 | No 🗌 | NA 🗌 | | | | |
| 4. Were all samp | les received at a tempera | ture of >0° C to 6.0°C | Yes 🗹 | No 🗌 | NA 🗌 | | | | |
| 5. Sample(s) in p | roper container(s)? | | Yes 🗹 | No 🗌 | | | | | |
| 6. Sufficient samp | ble volume for indicated te | est(s)? | Yes 🔽 | No 🗌 | | | | | |
| | except VOA and ONG) pro | | Yes 🗸 | No 🗌 | | | | | |
| | ve added to bottles? | | Yes | No 🔽 | NA 🗌 | | | | |
| 9. Received at lea | ast 1 vial with headspace | <1/4" for AQ VOA? | Yes | No 🗌 | NA 🔽 | | | | |
| | ple containers received b | | Yes | No 🗹 | | | | | |
| | | | | | # of preserved bottles checked | | | | |
| | k match bottle labels? | | Yes 🔽 | No 🗌 | for pH: | | | | |
| | ncies on chain of custody | | Yes 🔽 | N- [] | (<2 or) Adjusted? | >12 unless note | | | |
| | analyses were requested | | Yes ☑ Yes ☑ | No 🗌 | / lajusted ! | | | | |
| | g times able to be met? | • / | Yes 🗹 | | Checked by: | .C. 6.29. | | | |
| | stomer for authorization.) | | | | | .0, 0 21 | | | |
| Special Handlir | ng (if applicable) | | | | | | | | |
| 15. Was client noti | fied of all discrepancies v | vith this order? | Yes | No 🗌 | NA 🗹 | | | | |
| Person N | lotified: | Date: | [""" | | | | | | |
| By Whon | n: | Via: | - | Phone 🗍 Fax | In Person | | | | |
| Regardin | g: | | | | | | | | |
| Client Ins | structions: | | | | | | | | |
| 16. Additional rem | arks: | | | | | | | | |
| 17. Cooler Inform | ation | | | | | | | | |
| Cooler No | Temp °C Condition | Seal Intact Seal No | Seal Date | Signed By | | | | | |
| 1 | 2.5 Good | | John Build | Signed by | | | | | |

Page 1 of 1

| to Hall Environmental may be subco | Time: Relinquished by: | D22/7/202 | 21 8:11:2 | 26 AM | | 05-2 2 2011 8CM | 61-5 5 2011 STL | Date Time Matrix Sample Name | EDD (Type) I I | Accreditation: Az Compliance NELAC Other | QA/QC Package: | email or Fax#: | Phone #: | - non och | Mailing Address: Face / STULLO | Fient: 606 S Bio Grande | Chain-of-Custody Record |
|---|--|-----------|-----------|-------|--|------------------------------|-----------------|--|---|--|--|------------------|------------------|------------|--------------------------------|-------------------------|-------------------------|
| | Received by: Via: Date Time | | | | | 1 ^{Meza} / Jour 002 | 1 402 Not 001 | Cooler Lemp(induding CF): Z C'C) Container Preservative HEAL No. Type and # Type Z | olers: 1 | Sampler: O Japant, | K Summers | Project Manager: | 05A1221145 | Project #: | Loton Name. | Standard Rush 677-21 | Turn-Around Time: |
| this possibility. Any sub-contracted data will be clearly notated on the analytical report. | Remarks: PM Tom Long AFIE # NCZULIT | | | | | X X | X | BTEX / M TPH:8015E 8081 Pesti EDB (Meth PAHs by 8 RCRA 8 M CI, F, Br 8260 (VOA 8270 (Sem Total Colifo | o(GR cide: od 5 310 etals NO ₃) | 20 / DR 5/8082 504.1) or 827(5 , NO ₂ , A) | O / MR PCB's DSIMS PO ₄ , \$ | O) Q₄ | Analysis Request | - Al | allenvironme | ANALYSIS LABORATORY | |
| S Und | " al | | | | | | | | | | | | | U | | ATORY | |

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

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

District III

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

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

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

CONDITIONS

| Operator: | OGRID: |
|--------------------------------|---|
| Enterprise Field Services, LLC | 241602 |
| PO Box 4324 | Action Number: |
| Houston, TX 77210 | 65287 |
| | Action Type: |
| | [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | | Condition Date |
|---------------|------|-------------------|
| nvelez | None | 1/6/2022 |

Action 65287