

December 13, 2024

District Supervisor Oil Conservation Division, District 2 811 S. First Street Artesia, New Mexico 88210

Re: Remediation Work Plan Chevron Mid Continent Business Unit Cicada Unit #022H Flowline Release Unit Letter D, Section 35, Township 25 South, Range 27 East Eddy County, New Mexico nAPP2420727981 and nAPP2424378052 DOR: 7/19/2024 and 8/30/2024 Landowner: BLM

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by Chevron U.S.A., Inc. (Chevron) to assess two releases that occurred at the Cicada Unit #022H (API 30-015-45423). The release footprint is located in Public Land Survey System (PLSS) Unit Letter D, Section 35, Township 25 South, and Range 27 East, in Eddy County, New Mexico (Site). The approximate release point coordinates are 32.093323°, -104.164922°. The Site location is shown on Figures 1 and 2.

BACKGROUND

According to the State of New Mexico Notice of Release report, the initial release was discovered on July 19, 2024. The release was caused by a pinhole leak from a 4-inch below grade flowline. Approximately 9 barrels (bbls) of produced water and 2 bbls of crude oil were released on the lease pad and adjacent pasture, of which no produced water or oil were recovered. The initial C-141 report was submitted to and approved by the New Mexico Oil Conservation Division (NMOCD) on July 25, 2024, and the release was assigned the Incident ID nAPP2420727981.

A second release was discovered on August 30, 2024. According to the State of New Mexico Notice of Release report, the release was caused by a pinhole leak from a 4-inch below grade flowline adjacent to the initial release point. Approximately 51 bbls of produced water and 3 bbls of crude oil were released on the lease pad into the previously excavated area from the initial release and adjacent pasture, of which 50 bbls of produced water and 3 bbls of oil were recovered. The initial C-141 report was submitted to and approved by the New Mexico Oil Conservation Division (NMOCD) on August 30, 2024, and the release was assigned the Incident ID nAPP2424378052. After the second release occurred, Chevron Operations personnel excavated around the shut-in buried lines to make repairs.

Chevron requested an extension from the NMOCD for the workplan submittal in an email dated September 24, 2024. The request was made after the second release occurred at the Cicada #022H lease pad (Incident ID nAPP2424378052), to allow for complete assessment and remediation planning for both releases. The extension request was approved by the NMOCD via email on October 8, 2024, for a new due date of December 17, 2024. A copy of the regulatory correspondence is included in Appendix A.

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Chevron requested an additional extension from the NMOCD for the workplan submittal in an email dated November 20, 2024. The request was made to allow for additional time needed to complete assessment activities due to pipe removal and repairs in the release point area. The extension request was approved by the NMOCD via email on November 20, 2024, for a new due date of December 30, 2024. A copy of the

LAND OWNERSHIP

According to the NMOCD Oil and Gas Map, the Site is located on federal lands managed by the Bureau of Land Management (BLM). A copy of this remediation work plan will be provided to the BLM for approval prior to the initiation of the proposed remediation activities.

SITE CHARACTERIZATION

regulatory correspondence is included in Appendix A.

A site characterization was performed in accordance with 19.15.29.11 New Mexico State Administrative Code (NMAC) and the guidance document Process Updates re: Submissions of Form C-141 Release Notification and Corrective Actions (12/01/2023). A summary of the site characterization is presented below:

| Shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (feet bgs) | Between 51 and 75 ft |
|--|-----------------------------------|
| Method used to determine the depth to ground water | NM OSE iWaters Database Search |
| Did this release impact groundwater or surface water? | No |
| What is the minimum distance between the closest lateral extents of the release and | the following surface areas: |
| A continuously flowing watercourse or any other significant watercourse | Greater than 5 (mi.) |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark) | Greater than 5 (mi.) |
| An occupied permanent residence, school, hospital, institution, or church | Greater than 5 (mi.) |
| A spring or private domestic fresh water well used by less than five households for domestic or stock watering purposes | Between 1 and 5 (mi.) |
| Any other fresh water well or spring | Between 1 and 5 (mi.) |
| ncorporated municipal boundaries or a defined municipal fresh water well field | Greater than 5 (mi.) |
| A wetland | Between ½ and 1 (mi.) |
| A subsurface mine | Greater than 5 (mi.) |
| A (non-karst) unstable area | Greater than 5 (mi.) |
| Categorized risk of this well / site being in a karst geology | High |
| A 100-year floodplain | Between ½ and 1 (mi.) |
| Did the release impact areas not on an exploration, development, production, or storage site? | Yes |

According to the New Mexico Office of the State Engineer (NMOSE) reporting system, there is one well within a ½-mile (800-meter) radius of the Site, located approximately 0.43 miles (692 meters) east of the release point. The depth to water is measured at 69 feet below ground surface (bgs). The site characterization data is included in Appendix B.

REGULATORY FRAMEWORK

Based upon the release footprints and in accordance with Subsection E of 19.15.29.12 NMAC, per 19.15.29.11 NMAC, the site characterization data was used to determine recommended remedial action levels (RRALs) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), total petroleum hydrocarbons (TPH), and chlorides in soil.

Based on the site characterization, the remediation RRALs for the Site are as follows:

| Constituent | RRAL |
|-------------|-----------|
| Chloride | 600 mg/kg |
| TPH | 100 mg/kg |
| BTEX | 50 mg/kg |
| Benzene | 10 mg/kg |

SITE ASSESSMENT ACTIVITIES

Tetra Tech personnel were onsite on August 12, 2024 through August 13, 2024, to conduct release assessment activities for the initial release on behalf of Chevron. Four (4) test trenches (TT-1 through TT-4) were installed within the release footprint in order to vertically delineate the release extent. Four horizontal sample locations (H-1 through H-5) were installed along the perimeter of the release to horizontally delineate the release extent. Photographic documentation of the release extent is included in Appendix C. The sampling locations are presented on Figure 3.

A total of twenty-four (24) soil samples were collected during the August assessment events and submitted to Eurofins Testing in Midland, Texas to be analyzed for TPH by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300. Copies of the laboratory analytical reports and chain-of-custody documentation are included in Appendix D.

The laboratory analytical results are summarized in Table 1. Analytical results associated with soil sampling locations TT-1, TT-2, TT-3, and TT-4 exceeded the chloride RRAL of 600 mg/kg in various sampling intervals ranging from the surface to 7 feet bgs. Analytical results associated with sampling locations TT-1 and TT-4 also exceeded the Total TPH RRAL of 100 mg/kg at select sampling intervals from the surface to 6 feet bgs. There were no analytical results which exceeded the benzene or Total BTEX RRALs.

On October 29, 2024 through November 15, 2024, Tetra Tech personnel returned to the Site to conduct release assessment activities for the second release on behalf of Chevron. A combination of seven (7) Auger holes and test trenches (AH-1/PH-1, AH-2/BH-2, TT-5, TT-6, TT-7, and TT-8) were installed within the release footprint in order to vertically delineate the release extent. Nine (9) horizontal sample locations (H-1.3 through H-9.3) were installed along the perimeter of the release to horizontally delineate the release extent. Photographic documentation of the release extent is included in Appendix C. The sampling locations are presented on Figure 3.

In conjunction with delineation activities, below-grade piping was removed and replaced. To facilitate piping repair and replacement, Chevron operations removed soil around the shut-in piping as well as removed as much contaminated soil as safely feasible in the immediate release point area to achieve vertical delineation. Composite bottom hole samples (PH-1 and BH-2) were collected where auger holes (AH-1 and AH-2) were installed.

A total of forty-one (41) soil samples were collected during the August assessment events and submitted to Cardinal Laboratories in Hobbs, NM to be analyzed for TPH by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by Method SM 4500. Copies of the laboratory analytical reports and chain-of-custody documentation are included in Appendix D.

The laboratory analytical results are summarized in Table 2. Analytical results associated with soil sampling locations AH-1/PH-1, AH-2, AH-3, TT-5, TT-6, TT-7, and TT-8 exceeded the chloride RRAL of 600 mg/kg

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in sampling intervals ranging from the surface to 11 feet bgs. Analytical results associated with sampling locations AH-1/PH-1, AH-2, AH-3, TT-5, TT-7, and TT-8 also exceeded the Total TPH RRAL of 100 mg/kg at select sampling intervals from the surface to 10.5 feet bgs. Analytical samples associated with sampling location AH-3 also exceeded the Total BTEX RRAL of 50 mg/kg in the surface sampling interval. There were no analytical results which exceeded the benzene RRAL.

REMEDIATION WORK PLAN

Based on the collected analytical results, Chevron proposes to remove the impacted material for both releases simultaneously, as shown in Figure 4. Impacted soils in the vicinity of assessment trenches TT-3, TT-5 and TT-6 will be excavated using heavy equipment (backhoes, hoe rams, track hoes and Hydrovac) to a maximum total depth of 1 foot below the surrounding surface or until a representative sample from the walls and bottom of the excavation is below the RRALs. Impacted soils in the vicinity of test trench TT-2 will be excavated to a total depth of 1.5 feet below the surrounding surface or until a representative sample is below the RRALs.Impacted soils in the vicinity of test trench TT-2 will be excavated to a total depth of 2 feet below the surrounding surface or until a representative sample is below the surrounding surface or until a representative sample is below the surrounding surface or until a representative sample is below the RRALs. Impacted soils in the vicinity of boring AH-3 will be excavated to a total depth of 3 feet below the surrounding surface or until a representative sample is below the RRALs to confirm vertical delineation. Any area containing pressurized lines will be hand-dug to the maximum extent practicable and heavy equipment will come no more than 3 feet from any pressurized lines.

As stated in the previous section of this report, soils in the vicinity of AH-1 and AH-2 were previously removed along with below grade piping during repair and replacement activities. Composite bottom hole samples (PH-1 and BH-2) were collected where auger holes (AH-1 and AH-2) were installed. No additional excavation activities are proposed for this area.

Excavated soils will be transported offsite and disposed of at an NMOCD-approved or permitted facility. Chevron requests a variance to collect confirmation floor and sidewall samples every 300 square feet for verification of remedial activities, and to be analyzed for TPH, BTEX, and chlorides. The proposed excavation encompasses a surface area of approximately 4,250 square feet including excavation bottom and sidewalls. Once results are received, NMOCD will be notified, and the excavation will then be backfilled with clean material to surface grade. The estimated volume of material to be remediated is approximately 285 cubic yards.

CONCLUSION

Chevron proposes to begin remediation activities at the Site within 90 days of NMOCD plan approval. Upon completion of the proposed work, a final closure report detailing the remediation activities, and the results of the confirmation sampling will be submitted to NMOCD. If you have any questions concerning the soil assessment or the proposed remediation activities for the Site, please contact Tetra Tech at (432) 682-4559.

Sincerely, **Tetra Tech, Inc.**

John Faylor

John Faught, GIT Project Manager

Anno

Samantha Abbott, PG Project Manager

Received by OCD: 12/16/2024 8:13:30 PM

Remediation Work Plan December 12, 2024

CC:

Ms. Kennedy Lincoln – Chevron MCBU Project Manager Chevron MCBU

.

LIST OF ATTACHMENTS

Figures:

Figure 1 – Overview Map

Figure 2 – Site Location/Topographic Map

Figure 3 – Approximate Release Extent and Site Assessment

Figure 4 – Proposed Remediation Map

Tables:

Table 1 – Summary of Analytical Results – Soil Assessment

Appendices:

Appendix A – Regulatory Correspondence

Appendix B – Site Characterization Data

Appendix C – Photographic Documentation

Appendix D – Laboratory Analytical Data

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FIGURES







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TABLES

TABLE 1 SUMMARY OF ANALYTICAL RESULTS SOIL ASSESSMENT - nAPP2420727981 (DOR 7/19/2024) CHEVRON MCBU CICADA UNIT #022H EDDY COUNTY, NEW MEXICO

| | | Some la Donth | Oblasida ¹ | | | | | | BTEX ² | | | | | | | | | ТР | H ³ | | | ļ |
|-----------|-------------|---------------|-----------------------|----|----------|---|----------|-------|-------------------|-------|---------------|---|------------|---|-------|---|------------|----|----------------|---|------------|---|
| Sample ID | Sample Date | Sample Depth | Chloride ¹ | | Benzene | | Toluene | | Ethylbenzene | : | Total Xylenes | s | Total BTEX | | GRO | | DRO | | MRO | | Total TPH | |
| | | ft. bgs | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q |
| | | | | | | | | VER | TICAL DELINEATIO | N SAN | PLES | | | | | | | | | | | |
| TT-1 | 8/13/2024 | 4' | 15800 | | <0.00138 | U | <0.00199 | U | <0.00108 | U | <0.00227 | U | <0.00227 | U | <14.5 | U | 1380 | | <15.1 | U | 1380 | |
| | | 0-0.5' | 3300 | F1 | <0.00140 | U | <0.00201 | U | <0.00110 | U | 0.00489 | U | 0.00489 | U | <14.4 | U | <32.2 | J | <15.0 | U | 32.2 | J |
| | | 1' | 612 | | <0.00139 | U | <0.00200 | U | <0.00109 | U | <0.00228 | U | <0.00228 | U | <14.6 | U | <15.2 | U | <15.2 | U | <15.2 | U |
| TT-2 | 8/12/2024 | 2' | 65.8 | | <0.00138 | U | <0.00199 | U | <0.00108 | U | <0.00227 | U | <0.00227 | U | <14.6 | U | <15.3 | U | <15.3 | U | <15.3 | U |
| | | 3' | 257 | | <0.00140 | U | <0.00201 | U | <0.00109 | U | <0.00229 | U | <0.00229 | U | <14.5 | U | 25.7 | J | <15.1 | U | 25.7 | J |
| | | 4' | 172 | | <0.00139 | U | <0.00200 | U | <0.00109 | U | <0.00228 | U | <0.00228 | U | <14.4 | U | 17.6 | J | <15.0 | U | 17.6 | J |
| | | 0-0.5' | 972 | | <0.00139 | U | <0.00200 | U | <0.00109 | U | <0.00229 | U | <0.00229 | U | <14.5 | U | 37.8 | J | <15.1 | U | 37.8 | L |
| | | 1' | 246 | | <0.00140 | U | <0.00201 | U | <0.00110 | U | <0.00230 | U | <0.00230 | U | <14.5 | U | 47.1 | J | <15.1 | U | 47.1 | J |
| TT-3 | 8/12/2024 | 2' | 156 | | <0.00138 | U | <0.00199 | U | <0.00108 | U | <0.00227 | U | <0.00227 | U | <14.6 | U | <15.2 | U | <15.2 | U | <15.2 | U |
| | | 3' | 308 | | <0.00139 | U | <0.00200 | U | 0.00109 | J | <0.00229 | U | <0.00229 | U | <14.6 | U | 15.3 | J | <15.3 | U | 15.3 | J |
| | | 4' | 119 | | <0.00139 | U | <0.00200 | U | <0.00109 | U | <0.00228 | U | <0.00228 | U | <14.7 | U | 46.6 | J | <15.3 | U | 46.6 | J |
| | | 0-0.5' | 4950 | | <0.00138 | U | 0.0124 | | 0.00747 | | 0.0071 | | 0.0270 | | 58.2 | | 3890 | | <15.1 | U | 3950 | |
| | | 1' | 3200 | | 0.00175 | J | 0.255 | | 0.177 | | 0.648 | | 1.08 | | 438 | | 7170 | | <15.0 | | 7610 | |
| | | 2' | 4450 | | 0.00253 | | 0.233 | | 0.0103 | | 0.374 | | 0.620 | | 634 | | 8880 | | <15.1 | U | 9510 | |
| TT-4 | 8/12/2024 | 3' | 3900 | | 0.00176 | J | 0.234 | | 0.146 | | 0.485 | | 0.867 | | 742 | | 11700 | | <15.1 | U | 12400 | |
| 11-4 | 0/12/2024 | 4' | 1530 | | <0.00138 | U | 0.138 | | <0.00108 | U | 0.0079 | | 0.0217 | | <14.7 | U | <i>893</i> | | <15.3 | U | <i>893</i> | |
| | | 5' | 4380 | | <0.00138 | U | <0.00199 | U | <0.00108 | U | 0.0136 | | 0.0210 | | 18.2 | J | 1350 | | <15.2 | U | 1370 | |
| | | 6' | 819 | | <0.00140 | U | <0.00201 | U | <0.00109 | U | 0.0375 | | 0.0375 | | <14.6 | U | 614 | | <15.3 | | 614 | |
| | | 7' | 691 | | <0.00141 | U | <0.00202 | U | <0.00110 | U | <0.00231 | U | <0.00231 | U | <14.7 | U | 65.8 | | <15.3 | U | 65.8 | |
| | | | | | | | | HORIZ | ONTAL DELINEATI | ON SA | MPLES | | | | | | | | | | | |
| H-1 | 8/12/2024 | 0-1' | 199 | | <0.00139 | U | <0.00200 | U | <0.00109 | U | <0.00228 | U | <0.00228 | U | <14.5 | U | <15.1 | U | <15.1 | U | <15.1 | U |
| H-2 | 8/12/2024 | 0-1' | 119 | | <0.00138 | U | <0.00199 | U | <0.00108 | U | <0.00227 | U | <0.00227 | U | <14.7 | U | <15.3 | U | <15.3 | U | <15.3 | U |
| Н-3 | 8/12/2024 | 0-1' | 242 | | <0.00140 | U | <0.00201 | U | <0.00110 | U | <0.00230 | U | <0.00230 | U | <14.5 | U | <15.1 | U | <15.1 | U | <15.1 | U |
| H-4 | 8/12/2024 | 0-1' | 78.0 | | <0.00141 | U | <0.00202 | U | <0.00110 | U | <0.00231 | U | <0.00231 | U | <14.5 | U | <15.1 | U | <15.1 | U | <15.1 | U |
| H-5 | 8/12/2024 | 0-1' | 188 | | <0.00139 | U | <0.00200 | U | <0.00109 | U | <0.00228 | U | <0.00228 | U | <14.4 | U | <15.0 | U | <15.0 | U | <15.0 | U |

NOTES:

ft. Feet

Below ground surface bgs

mg/kg Milligrams per kilogram

Total Petroleum Hydrocarbons TPH

Gasoline range organics GRO

DRO Diesel range organics

Motor Oil range organics MRO

Sample not analyzed for parameter NS

EPA Method 300.0 1

2 EPA Method 8021B

3 Method SW8015 Mod Shaded intervals are proposed for excavation

Qualifiers:

B Compound was found in the blank and sample.

F1 MS and/or MSD recovery exceeds control limits.

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U Indicates the analyte was analyzed for but not detected.

| | | Consula Doubh | | | | | | BTEX ² | | | | | | | | | ТР | H ³ | | | |
|-----------|-------------|--------------------|-----------------------|------------------|----------|---------|-------|--------------------------|---------|--------------|-----|------------------|----|-------|---|------------|----|----------------|----------|---------------|---------------|
| Sample ID | Sample Date | Sample Depth | Chloride ¹ | Benzene | | Toluene | | Ethylbenzer | ne | Total Xylen | ies | Total BTEX | (| GRO | | DRO | | MRO | | Total TPI | н |
| | | ft. bgs | mg/kg Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q |
| | | | | | | | VER | TICAL DELINEATI | ON SAM | PLES | | | | | | | | | | | |
| | | 5-6' | 5600 | <0.025 | U | <0.050 | U | <0.050 | U | <0.150 | U | <0.275 | U | <25.0 | U | 410 | | 98 | | 508 | |
| | 10/31/2024 | 6-7' | 1500 | <0.025 | U | <0.050 | U | <0.050 | U | <0.150 | U | <0.275 | U | <25.0 | U | 351 | | 92.9 | | 444 | |
| | | 7-8' | 624 | <0.025 | U | < 0.050 | U | <0.050 | U | <0.150 | U | <0.275 | U | <25.0 | U | 26.0 | _ | <25.0 | U | 26.0 | |
| AH-1 | | 8-9' | 1250 | <0.025 | U | < 0.050 | U | <0.050 | U | <0.150 | U | <0.275 | U | <25.0 | U | 166 | | 39.1 | | 205 | |
| | 11/5/2024 | 9-9.5' | 1120 | <0.050 | U | <0.050 | U | <0.050 | U | <0.150 | 0 | <0.300 | U | <10.0 | U | 375 | | 66.7 | | 442 | |
| | 11/5/2024 | 9.5-10' 10-10.5 | 848 832 | <0.050 <0.050 | UU | <0.050 | UU | <0.050 | U | <0.150 | U | <0.300 <0.300 | UU | <10.0 | U | 512 476 | | 89.2 83.0 | | 601 559 | |
| ŀ | 11/14/2024 | 10-10.5 | 624 | < 0.050 | U | <0.050 | U | <0.050 | U | <0.150 | | < 0.300 | U | <10.0 | U | <10.0 | U | <10.0 | U | <10.0 | |
| | 11/14/2024 | 11 | 024 | | 0 | <0.050 | 0 | <0.050 | | <0.150 | | <0.300 | | <10.0 | | <10.0 | 0 | <10.0 | | <10.0 | |
| AH-2 | 10/31/2024 | 5-6' | 3840 | <0.025 | U | <0.050 | U | <0.050 | U | <0.150 | U | <0.275 | U | <25.0 | U | 108 | | <25.0 | U | 108 | |
| | | 6-7' | 336 | <0.025 | U | <0.050 | U | <0.050 | U | <0.150 | U | <0.275 | U | <25.0 | U | <25.0 | U | <25.0 | U | <25.0 | U |
| | | 0-0.5' | 4480 | <0.500 | U | 2.11 | | 2.76 | | 55. <i>9</i> | | 60.7 | | 2100 | | 16300 | | 2320 | | 20720 | |
| AH-3 | 11/15/2024 | 1' | 5120 | <0.500 | U | 1.53 | | 2.52 | | 45.3 | | 49.4 | | 1760 | | 14500 | | 2310 | | 18570 | |
| | | 2' | 272 | <0.050 | U | <0.050 | U | <0.050 | U | <0.150 | U | <0.300 | U | <10.0 | | 237 | | 18.9 | | 255. <i>9</i> | |
| | | 0-0.5' | 1150 | <0.025 | U | 0.053 | | 0.127 | | 1.38 | | 1.56 | | 479 | | 3230 | | 622 | | 4330 | |
| | | 1' | 368 | <0.025 | U | <0.050 | U | <0.050 | U | <0.150 | U | <0.275 | U | <25.0 | U | 73.3 | | <25.0 | U | 73.3 | |
| TT-5 | 10/29/2024 | 2' | 48.0 | <0.025 | U | <0.050 | U | <0.050 | U | <0.150 | U | <0.275 | U | <25.0 | U | <25.0 | U | <25.0 | U | <25.0 | U |
| | | 3' | 48.0 | <0.025 | U | <0.050 | U | <0.050 | U | <0.150 | U | <0.275 | U | <25.0 | U | <25.0 | U | <25.0 | U | <25.0 | U |
| | | 0.05 | 2220 | -0.025 | | -0.050 | | -0.050 | | -0.450 | | -0.275 | | -25.0 | | -25.0 | | -25.0 | | -25.0 | |
| TT-6 | 10/29/2024 | 0-0.5' | 3320 | <0.025 | U | <0.050 | U | <0.050 | U | <0.150 | 0 | <0.275 | U | <25.0 | U | <25.0 | U | <25.0 | U | <25.0 | U |
| | | ľ | 80.0 | <0.025 | U | <0.050 | U | <0.050 | U | <0.150 | 0 | <0.275 | U | <25.0 | U | <25.0 | U | <25.0 | U | <25.0 | U |
| | | 0-0.5' | 2240 | <0.100 | U | 1.08 | U | 2.09 | U | 20.6 | U | 23.8 | U | 3140 | | 13900 | | 2540 | | <i>19600</i> | |
| | | 1' | 3000 | <0.025 | U | 0.077 | | 0.185 | | 1.13 | | 1.4 | | 434 | | 4250 | | 907 | | 5590 | |
| | | 2' | 2320 | <0.025 | U | 0.09 | | 0.202 | | 0.643 | | 0.935 | | 246 | | 2640 | | 559 | | 3440 | |
| TT-7 | 10/29/2024 | 3' | 1310 | <0.025 | U | 0.144 | | 0.202 | | 0.841 | | 1.19 | | 55.1 | | 531 | _ | 108 | | 694 | \square |
| | | 4' | 6600 | <0.025 | U | 0.515 | | 0.748 | | 3.74 | | 5 | | 889 | | 6240 | | 1250 | | 8380 | |
| | | 5' | 288 | <0.025 | U | < 0.050 | U | < 0.050 | U | <0.150 | U | <0.275 | U | <25.0 | U | 64.8 | | <25.0 | U | 64.8 | \rightarrow |
| | | 6' | 848 | <0.025 | U | <0.050 | U | <0.050 | U | 0.209 | - I | <0.275 | U | 28.5 | - | 676 | | 153 | <u> </u> | 858 | |
| | | 7' | 176 | <0.025 | U | <0.050 | 0 | <0.050 | U | <0.150 | 0 | <0.275 | U | <25.0 | U | 30.2 | | <25.0 | 0 | 30.2 | |
| | | 0-0.5' | 5360 | <0.025 | U | <0.050 | U | 0.061 | | 0.530 | | 0.591 | | 247 | | 2540 | | 519 | | 3310 | |
| TT-8 | 10/29/2024 | 1' | 1840 | <0.025 | U | <0.050 | U | <0.050 | U | <0.150 | U | <0.275 | U | <25.0 | U | 41.6 | | <25.0 | U | 41.6 | |
| | | 2' | 336 | <0.025 | U | <0.050 | U | <0.050 | U | <0.150 | U | <0.275 | U | <25.0 | U | <25.0 | U | <25.0 | U | <25.0 | U |
| | | 4' | 48 | <0.025 | U | <0.050 | U | <0.050 | U | <0.150 | U | <0.275 | U | <25.0 | U | <25.0 | U | <25.0 | U | <25.0 | U |
| | | | | | | | 1 1 | BOTTOM HOLE S | _ | | | | | | | | | | | | |
| PH-1 | 11/14/2024 | 12' | 576 | <0.050 | U | <0.050 | U | <0.050 | U | <0.150 | U | <0.300 | U | <10.0 | U | 34 | | <10.0 | U | 34 | |
| BH-2 | 11/21/2024 | 7' | 64 | <0.025 | U | <0.050 | U | <0.050 | U | <0.150 | U | <0.275 | U | <25.0 | U | <25.0 | U | <25.0 | U | <25.0 | U |
| | | | | | | | HORIZ | ZONTAL DELINEA | TION SA | MPLES | | | | | | | | | | | |
| H-1.3 | 10/31/2024 | 0-1' | 128 | <0.025 | U | <0.050 | U | <0.050 | U | <0.150 | U | <0.275 | U | <25.0 | U | <25.0 | U | <25.0 | U | <25.0 | U |
| H-2.3 | 10/29/2024 | 0-1' | 80.0 | <0.025 | U | <0.050 | U | <0.050 | U | <0.150 | U | <0.275 | U | <25.0 | U | <25.0 | U | <25.0 | U | <25.0 | U |
| | | | | | | | | | | | | | | | | | | | | | |
| H-3.3 | 10/29/2024 | 0-1' | 96.0 | <0.025 | U | <0.050 | U | <0.050 | U | <0.150 | U | <0.275 | U | <25.0 | U | <25.0 | U | <25.0 | U | <25.0 | U |
| H-4.3 | 10/29/2024 | 0-1' | 64.0 | <0.025 | U | <0.050 | U | <0.050 | U | <0.150 | U | <0.275 | U | <25.0 | U | <25.0 | U | <25.0 | U | <25.0 | U |
| H-5.3 | 10/31/2024 | 0-1' | 48.0 | <0.025 | U | <0.050 | U | <0.050 | U | <0.150 | U | <0.275 | U | <25.0 | U | <25.0 | U | <25.0 | U | <25.0 | U |
| 462 | | | | | | | | | | | | | | | | | | | | | - |
| H-6.3 | 10/31/2024 | 0-1' | 112 | <0.025 | U | <0.050 | U | <0.050 | U | <0.150 | U | <0.275 | U | <25.0 | U | <25.0 | U | <25.0 | U | <25.0 | U |
| H-7.3 | 10/29/2024 | 0-1' | 80.0 | <0.025 | U | <0.050 | U | <0.050 | U | <0.150 | U | <0.275 | U | <25.0 | U | <25.0 | U | <25.0 | U | <25.0 | U |
| H-8.3 | 11/15/2024 | 0-1' | 64.0 | <0.050 | U | <0.050 | U | <0.050 | U | <0.150 | U | <0.300 | U | <10.0 | U | <10.0 | U | <10.0 | U | <10.0 | U |
| | | | | | <u> </u> | | | | | | | | | | | | | | | | |
| H-9.3 | 11/15/2024 | 0-1' | 32.0 | <0.050 | U | <0.050 | U | <0.050 | U | <0.150 | U | <0.300 | U | <10.0 | U | <10.0 | U | <10.0 | U | <10.0 | U |

NOTES:

ft. Feet

bgs Below ground surface mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

MRO Motor Oil range organics

NS Sample not analyzed for parameter

EPA Method 300.0 1

2 EPA Method 8021B

3 Method SW8015 Mod

Shaded intervals are proposed for excavation

Qualifiers:

B Compound was found in the blank and sample.

TABLE 2 SUMMARY OF ANALYTICAL RESULTS SOIL ASSESSMENT - nAPP2424378052 (DOR 8/30/2024) CHEVRON MCBU CICADA UNIT #022H EDDY COUNTY, NEW MEXICO

F1 MS and/or MSD recovery exceeds control limits.

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

U Indicates the analyte was analyzed for but not detected.

APPENDIX A Regulatory Correspondence

| From: | Lincoln, Kennedy |
|--------------|--|
| То: | Faught, John |
| Subject: | Fw: Re: [EXTERNAL] Request for Extension on Workplan Submittal: nAPP2420727981 |
| Date: | Tuesday, October 8, 2024 9:57:00 AM |
| Attachments: | image001.png |
| | Outlook-5a0cu3ge.png |

CAUTION: This email originated from an external sender. Verify the source before opening links or attachments.

Kennedy Lincoln MCBU Environmental Specialist Mid-Continent Business Unit (MCBU) Chevron North America Exploration and Production Company 6301 Deauville Midland, TX Mobile (432) 813-5384 Kennedy.Lincoln@chevron.com

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Tuesday, October 8, 2024 9:43:18 AM
To: Lincoln, Kennedy <Kennedy.Lincoln@chevron.com>
Subject: [**EXTERNAL**] Re: Re: [EXTERNAL] Request for Extension on Workplan Submittal:
nAPP2420727981

Be aware this external email contains an attachment and/or link. Ensure the email and contents are expected. If there are concerns, please submit suspicious messages to the Cyber Intelligence Center using the Report Phishing button.

Good morning Kennedy,

Thank you for your correspondence, assistance, and cooperation.

Your 60-day time extension request is approved (a little early). Remediation Due date has been updated to December 17, 2024.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Have a safe and productive day!

Regards,

Nelson Velez • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | nelson.velez@emnrd.nm.gov http://www.emnrd.nm.gov/ocd_



From: Lincoln, Kennedy <Kennedy.Lincoln@chevron.com>
Sent: Tuesday, September 24, 2024 12:54 PM
To: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Enviro, OCD, EMNRD
<OCD.Enviro@emnrd.nm.gov>
Subject: RE: Re: [EXTERNAL] Request for Extension on Workplan Submittal: nAPP2420727981

You don't often get email from kennedy.lincoln@chevron.com. Learn why this is important

Good afternoon Nelson,

Thank you for your quick response and I understand that the extension will not be granted until a week before the due date expiration. I would like to request a 60-day extension however we still plan to complete the remediation within the 30-day timeframe .

Thank you for your understanding and assistance.

Kennedy Lincoln MCBU Environmental Specialist Mid-Continent Business Unit (MCBU) Chevron North America Exploration and Production Company 6301 Deauville Midland, TX Mobile (432) 813-5384 Kennedy.Lincoln@chevron.com

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Sent: Tuesday, September 24, 2024 9:32 AM
To: Lincoln, Kennedy <Kennedy.Lincoln@chevron.com>; Enviro, OCD, EMNRD
<OCD.Enviro@emnrd.nm.gov>

Subject: [**EXTERNAL**] Re: [EXTERNAL] Request for Extension on Workplan Submittal: nAPP2420727981

Be aware this external email contains an attachment and/or link. Ensure the email and contents are expected. If there are concerns, please submit suspicious messages to the Cyber Intelligence Center using the Report Phishing button.

Good morning Kennedy,

Thank you for the correspondence. All three incidents are currently under my review (Robert Hamlet was the reviewer for incident # NAPP2414869489).

The incident in question has a remediation due date of October 18, 2024. I have flagged your email to response and approve your time extension within a week of due date expiration. Since the other two incidents due dates are 11/12 & 11/24/2024, I've surmised that your extension request would follow the same timeline (30-days). Please acknowledge if this is the case or you specifically requesting a longer period of time (60 or 90-days).

Have a safe and pleasant day!

Regards,

Nelson Velez • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | <u>nelson.velez@emnrd.nm.gov</u> <u>http://www.emnrd.nm.gov/ocd_</u>



From: Lincoln, Kennedy <<u>Kennedy.Lincoln@chevron.com</u>> Sent: Monday, September 23, 2024 5:22 PM To: Enviro, OCD, EMNRD <<u>OCD.Enviro@emnrd.nm.gov</u>>; Velez, Nelson, EMNRD <<u>Nelson.Velez@emnrd.nm.gov</u>>

Subject: [EXTERNAL] Request for Extension on Workplan Submittal: nAPP2420727981

Some people who received this message don't often get email from <u>kennedy.lincoln@chevron.com</u>. Learn why this is important

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Hello,

I am reaching out to request an extension for the workplan submittal for incident ID (n#) nAPP2420727981at Cicada 022H. The reason I am requesting an extension for this incident number is because we have three spills (nAPP2414869489, nAPP2420727981 and nAPP2424378052) on the same pad, and we would like to make a workplan that will allow the remediation of all areas to be done at the same time. We have currently delineated the impacted area for the first two spills and are planning to delineate the third spill next week.

Please let me know if you need any additional information to grant the extension.

Thanks,

Kennedy Lincoln MCBU Environmental Specialist Mid-Continent Business Unit (MCBU) Chevron North America Exploration and Production Company 6301 Deauville Midland, TX Mobile (432) 813-5384 Kennedy.Lincoln@chevron.com

From: <u>OCDOnline@state.nm.us</u> <<u>OCDOnline@state.nm.us</u>>

Sent: Monday, July 29, 2024 4:53 PM

To: Lincoln, Kennedy < Kennedy.Lincoln@chevron.com>

Subject: [**EXTERNAL**] The Oil Conservation Division (OCD) has approved the application, Application ID: 367199

To whom it may concern (c/o Kennedy Lincoln for CHEVRON U S A INC), The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2420727981, with the following conditions:

• None

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me. Thank you, Nelson Velez Environmental Specialist - Advanced 505-469-6146 <u>Nelson.Velez@emnrd.nm.gov</u> New Mexico Energy, Minerals and Natural Resources Department 1220 South St. Francis Drive Santa Fe, NM 87505

| From: | Lincoln, Kennedy |
|--------------|---|
| То: | Faught, John |
| Subject: | Fw: [EXTERNAL] Re: The Oil Conservation Division (OCD) has approved the application, Application ID: 383687 |
| Date: | Wednesday, November 20, 2024 8:59:48 PM |
| Attachments: | Outlook-fz4shnox.png |

CAUTION: This email originated from an external sender. Verify the source before opening links or attachments.

Hello John,

Below is the extension request confirmation.

Kennedy Lincoln MCBU Environmental Specialist Mid-Continent Business Unit (MCBU) Chevron North America Exploration and Production Company 6301 Deauville Midland, TX Mobile (432) 813-5384 Kennedy.Lincoln@chevron.com

From: Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>

Sent: Wednesday, November 20, 2024 1:44:23 PM

To: Lincoln, Kennedy <Kennedy.Lincoln@chevron.com>; ocdonline, emnrd, EMNRD

<emnrd.ocdonline@emnrd.nm.gov>

Subject: [**EXTERNAL**] Re: [EXTERNAL] Re: The Oil Conservation Division (OCD) has approved the application, Application ID: 383687

Be aware this external email contains an attachment and/or link. Ensure the email and contents are expected. If there are concerns, please submit suspicious messages to the Cyber Intelligence Center using the Report Phishing button.

Good afternoon Lincoln,

Thank you for the correspondence. Your 30-day time extension request is approved. Remediation Due date has been updated to December 30, 2024.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

Nelson Velez • Environmental Specialist - Adv Environmental Bureau | EMNRD - Oil Conservation Division 1000 Rio Brazos Road | Aztec, NM 87410 (505) 469-6146 | nelson.velez@emnrd.nm.gov http://www.emnrd.nm.gov/ocd_



From: Lincoln, Kennedy <Kennedy.Lincoln@chevron.com>
Sent: Wednesday, November 20, 2024 11:59 AM
To: ocdonline, emnrd, EMNRD <emnrd.ocdonline@emnrd.nm.gov>; Velez, Nelson, EMNRD
<Nelson.Velez@emnrd.nm.gov>
Subject: [EXTERNAL] Re: The Oil Conservation Division (OCD) has approved the application, Application ID: 383687

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good afternoon,

We respectfully submit request for a work plan submittal extension of Incident # nAPP2424378052. This extension request is due to the need to remove on-site buried piping to safely complete delineation assessment activities within the area of release, which resulted in the delay of the assessment activities. Chevron requests a 30-day extension to complete assessment activities and workplan development.

Thank you for your time.

Kennedy Lincoln MCBU Environmental Specialist Mid-Continent Business Unit (MCBU) Chevron North America Exploration and Production Company 6301 Deauville Midland, TX Mobile (432) 813-5384 Kennedy.Lincoln@chevron.com

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>

Sent: Monday, September 16, 2024 12:19 PM

To: Lincoln, Kennedy <Kennedy.Lincoln@chevron.com>

Subject: [**EXTERNAL**] The Oil Conservation Division (OCD) has approved the application, Application ID: 383687

To whom it may concern (c/o Kennedy Lincoln for CHEVRON U S A INC), The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2424378052, with the following conditions:

• None

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me. Thank you, Nelson Velez Environmental Specialist - Advanced 505-469-6146 Nelson.Velez@emnrd.nm.gov **New Mexico Energy, Minerals and Natural Resources Department** 1220 South St. Francis Drive Santa Fe, NM 87505

APPENDIX B Site Characterization Data

Site Characterization Summary

Site Information: Chevron MCBU Cicada Unit 022H Eddy County, New Mexico T25S, R27E, Section 35, Unit D (32.093063°, -104.165862°)

Site Characterization:

-High Karst -No significant water features within specified distances -Groundwater 69' BGS 0.43 Miles Northeast. (NMOSE, POD C-04371-POD1, 2019 Sample)

> RRALs: -600 mg/kg Chlorides -100 mg/kg Total TPH -10 mg/kg Benzene -50 mg/kg Total BTEX

Explanation: Due to the Cicada Unit 022H location within a high karst area.

Released to Imaging: 1/9/2025 8:46:18 AM





Cicada Unit #022H

Google Earth Released to Imaging: 1/9/2025 8:46:18 AM Irrage © 2024 Airbus 1 mi

•

National Flood Hazard Layer FIRMette



Legend

Page 26 of 114



Released to Imaging: 1/9/2025 8:999:18 AM 1,500

2,000

regulatory purposes.

Basemap Imagery Source: USGS National Map 2023



| (A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.) | (R=POD has been replaced, O=orphaned, C=the file is closed) | · · | | 2=NE 3=SW 4= t to largest) | -SE) (NAD83 UTM in m | eters) (| In feet) |
|---|---|--------------------|--------|-------------------------------|-------------------------|--------------------|-----------------------------|
| POD Number | POD Sub- Code basin Cou | QQQ nty 64 16 4 | • | Rng | X Y | - | Depth Water Water Column |
| C 04371 POD1 | CUB EI | 5 3 3 4 | 26 25S | 27E 5793 | 69 3551272 🌍 | 692 100 | 69 31 |
| | | | | | Avera | age Depth to Water | 69 feet |
| | | | | | | Minimum Depth | 69 feet |
| | | | | | | Maximum Depth | 69 feet |
| Pocord Count: 1 | | | | | | | |

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 578711.206

Northing (Y): 3551054.94

Radius: 1600

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.



New Mexico Office of the State Engineer **Point of Diversion Summary**

| | | | (quart | ers are | 1=NW | 7 2=N | E 3=SW | ′ 4=SE) | | | |
|-------------|-------|-----------------|------------|-----------|---------|---------|------------|----------|-----------|--------------|------------|
| | | | (qua | rters are | e small | lest to | o largest) | | (NAD83 UT | M in meters) | |
| Well Tag | POD | Number | Q64 | Q16 | Q4 | Sec | Tws | Rng | Х | Y | |
| NA | C 04 | 371 POD1 | 3 | 3 | 4 | 26 | 25S | 27E | 579369 | 3551272 🧧 | |
| Driller Lic | ense: | 1456 | Driller | r Com | pany | v: | WE | IITE DR | ILLING CO | MPANY | |
| Driller Na | me: | WHITE, JOHNN | OWN.GEN | VER | | | | | | | |
| Drill Start | Date: | 10/17/2019 | Drill F | inish | Date | : | 10 | 0/17/201 | 9 Plu | g Date: | 10/17/2019 |
| Log File D | ate: | 11/04/2019 | PCW | Rev D | ate: | | | | So | irce: | Shallow |
| Ритр Тур | e: | | Pipe D | lischa | rge S | Size: | | | Est | imated Yield | : |
| Casing Siz | e: | | Depth | Well: | | | 10 | 00 feet | De | pth Water: | 69 feet |
| X | Water | Bearing Stratif | ications: | | Тор |) E | Bottom | Descr | iption | | |
| | | | | | 4 | 5 | 100 | Other/ | Unknown | | |

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.

6/20/24 2:22 PM

POINT OF DIVERSION SUMMARY



Help Info



Site Information





June 20, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Forested/Shrub Wetland

Freshwater Emergent Wetland

Freshwater Pond

Lake Other Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI) This page was produced by the NWI mapper

APPENDIX C Photographic Documentation

Photographic Log Chevron U.S.A., Inc. Cicada Unit #22 nAPP2420727981 and nAPP2424378052



| Job No. | Page No. | Client: | Site Name: | |
|---------------|----------|-----------------------|-----------------|------------|
| 212C-MD-03521 | 1 of 1 | Chevron U.S.A, Inc | Cicada Unit #22 | TETRA TECH |

APPENDIX D Laboratory Analytical Data



November 01, 2024

JOHN FAUGHT TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND, TX 79701

RE: CICADA UNIT 022H RELEASE #3

Enclosed are the results of analyses for samples received by the laboratory on 10/31/24 14:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



Analytical Results For:

TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

| Received: | 10/31/2024 | Sampling Date: | 10/31/2024 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 11/01/2024 | Sampling Type: | Soil |
| Project Name: | CICADA UNIT 022H RELEASE #3 | Sampling Condition: | Cool & Intact |
| Project Number: | 212C-MD-03521 | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, TX | | |

Sample ID: AH - 1 (5-6') (H246630-01)

| BTEX 8021B | mg/ | 'kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 10/31/2024 | ND | 2.10 | 105 | 2.00 | 0.703 | |
| Toluene* | <0.050 | 0.050 | 10/31/2024 | ND | 2.04 | 102 | 2.00 | 0.424 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/31/2024 | ND | 2.07 | 103 | 2.00 | 0.0780 | |
| Total Xylenes* | <0.150 | 0.150 | 10/31/2024 | ND | 6.14 | 102 | 6.00 | 0.229 | |
| Total BTEX | <0.275 | 0.275 | 10/31/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg, | 'kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 5600 | 16.0 | 11/01/2024 | ND | 416 | 104 | 400 | 0.00 | |
| ТРН ТХ1005 | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 11/01/2024 | ND | 205 | 102 | 200 | 3.30 | |
| DRO >C12-C28 | 410 | 25.0 | 11/01/2024 | ND | 199 | 99.6 | 200 | 2.36 | |
| DRO >C28-C35 | 98.0 | 25.0 | 11/01/2024 | ND | | | | | |
| Total TPH C6-C35* | 508 | 25.0 | 11/01/2024 | ND | 404 | 101 | 400 | 2.84 | |
| Surrogate: 1-Chlorooctane | 115 9 | 48.6-15 | 3 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 125 | % 41.9-17 | 0 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

| Received: | 10/31/2024 | Sampling Date: | 10/31/2024 | | |
|-------------------|-----------------------------|---------------------|----------------|--|--|
| Reported: | 11/01/2024 | Sampling Type: | Soil | | |
| Project Name: | CICADA UNIT 022H RELEASE #3 | Sampling Condition: | Cool & Intact | | |
| Project Number: | 212C-MD-03521 | Sample Received By: | Tamara Oldaker | | |
| Project Location: | EDDY COUNTY, TX | | | | |

Sample ID: AH - 1 (6-7') (H246630-02)

| BTEX 8021B | mg/kg | | Analyzed By: JH | | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 10/31/2024 | ND | 2.10 | 105 | 2.00 | 0.703 | |
| Toluene* | <0.050 | 0.050 | 10/31/2024 | ND | 2.04 | 102 | 2.00 | 0.424 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/31/2024 | ND | 2.07 | 103 | 2.00 | 0.0780 | |
| Total Xylenes* | <0.150 | 0.150 | 10/31/2024 | ND | 6.14 | 102 | 6.00 | 0.229 | |
| Total BTEX | <0.275 | 0.275 | 10/31/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.4 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B mg/kg | | 'kg | Analyzed By: HM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| Chloride | 1500 | 16.0 | 11/01/2024 | ND | 432 | 108 | 400 | 0.00 | |
| TPH TX1005 | mg/kg | | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 11/01/2024 | ND | 205 | 102 | 200 | 3.30 | |
| DRO >C12-C28 | 351 | 25.0 | 11/01/2024 | ND | 199 | 99.6 | 200 | 2.36 | |
| DRO >C28-C35 | 92.9 | 25.0 | 11/01/2024 | ND | | | | | |
| Total TPH C6-C35* | 444 | 25.0 | 11/01/2024 | ND | 404 | 101 | 400 | 2.84 | |
| Surrogate: 1-Chlorooctane | 125 | 48.6-15 | 3 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 136 | % 41.9-17 | 0 | | | | | | |

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager


TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

| Received: | 10/31/2024 | Sampling Date: | 10/31/2024 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 11/01/2024 | Sampling Type: | Soil |
| Project Name: | CICADA UNIT 022H RELEASE #3 | Sampling Condition: | Cool & Intact |
| Project Number: | 212C-MD-03521 | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, TX | | |

Sample ID: AH - 1 (7-8') (H246630-03)

| BTEX 8021B | mg, | 'kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 10/31/2024 | ND | 2.10 | 105 | 2.00 | 0.703 | |
| Toluene* | <0.050 | 0.050 | 10/31/2024 | ND | 2.04 | 102 | 2.00 | 0.424 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/31/2024 | ND | 2.07 | 103 | 2.00 | 0.0780 | |
| Total Xylenes* | <0.150 | 0.150 | 10/31/2024 | ND | 6.14 | 102 | 6.00 | 0.229 | |
| Total BTEX | <0.275 | 0.275 | 10/31/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98.9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyzed By: HM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| Chloride | 624 | 16.0 | 11/01/2024 | ND | 432 | 108 | 400 | 0.00 | |
| TPH TX1005 | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| GRO C6-C12 | <25.0 | 25.0 | 11/01/2024 | ND | 205 | 102 | 200 | 3.30 | |
| DRO >C12-C28 | 26.0 | 25.0 | 11/01/2024 | ND | 199 | 99.6 | 200 | 2.36 | |
| DRO >C28-C35 | <25.0 | 25.0 | 11/01/2024 | ND | | | | | |
| Total TPH C6-C35* | 26.0 | 25.0 | 11/01/2024 | ND | 404 | 101 | 400 | 2.84 | |
| Surrogate: 1-Chlorooctane | 138 | 48.6-15 | 3 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 149 | % 41.9-17 | 0 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

| Received: | 10/31/2024 | Sampling Date: | 10/31/2024 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 11/01/2024 | Sampling Type: | Soil |
| Project Name: | CICADA UNIT 022H RELEASE #3 | Sampling Condition: | Cool & Intact |
| Project Number: | 212C-MD-03521 | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, TX | | |

Sample ID: AH - 1 (8-9') R (H246630-04)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 10/31/2024 | ND | 2.10 | 105 | 2.00 | 0.703 | |
| Toluene* | <0.050 | 0.050 | 10/31/2024 | ND | 2.04 | 102 | 2.00 | 0.424 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/31/2024 | ND | 2.07 | 103 | 2.00 | 0.0780 | |
| Total Xylenes* | <0.150 | 0.150 | 10/31/2024 | ND | 6.14 | 102 | 6.00 | 0.229 | |
| Total BTEX | <0.275 | 0.275 | 10/31/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98.4 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1250 | 16.0 | 11/01/2024 | ND | 432 | 108 | 400 | 0.00 | |
| ТРН ТХ1005 | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 11/01/2024 | ND | 205 | 102 | 200 | 3.30 | |
| DRO >C12-C28 | 166 | 25.0 | 11/01/2024 | ND | 199 | 99.6 | 200 | 2.36 | |
| DRO >C28-C35 | 39.1 | 25.0 | 11/01/2024 | ND | | | | | |
| Total TPH C6-C35* | 205 | 25.0 | 11/01/2024 | ND | 404 | 101 | 400 | 2.84 | |
| Surrogate: 1-Chlorooctane | 135 % | 6 48.6-15 | 3 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 145 % | 6 41.9-17 | 0 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

| Received: | 10/31/2024 | Sampling Date: | 10/31/2024 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 11/01/2024 | Sampling Type: | Soil |
| Project Name: | CICADA UNIT 022H RELEASE #3 | Sampling Condition: | Cool & Intact |
| Project Number: | 212C-MD-03521 | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, TX | | |

Sample ID: AH - 2 (5-6') (H246630-05)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|--------|----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| Benzene* | <0.025 | 0.025 | 10/31/2024 | ND | 2.10 | 105 | 2.00 | 0.703 | |
| Toluene* | <0.050 | 0.050 | 10/31/2024 | ND | 2.04 | 102 | 2.00 | 0.424 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/31/2024 | ND | 2.07 | 103 | 2.00 | 0.0780 | |
| Total Xylenes* | <0.150 | 0.150 | 10/31/2024 | ND | 6.14 | 102 | 6.00 | 0.229 | |
| Total BTEX | <0.275 | 0.275 | 10/31/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.7 9 | 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyzed By: HM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| Chloride | 3840 | 16.0 | 11/01/2024 | ND | 432 | 108 | 400 | 0.00 | |
| ТРН ТХ1005 | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| GRO C6-C12 | <25.0 | 25.0 | 11/01/2024 | ND | 205 | 102 | 200 | 3.30 | |
| DRO >C12-C28 | 108 | 25.0 | 11/01/2024 | ND | 199 | 99.6 | 200 | 2.36 | |
| DRO >C28-C35 | <25.0 | 25.0 | 11/01/2024 | ND | | | | | |
| Total TPH C6-C35* | 108 | 25.0 | 11/01/2024 | ND | 404 | 101 | 400 | 2.84 | |
| Surrogate: 1-Chlorooctane | 132 % | 6 48.6-15 | 3 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 142 % | 6 41.9-17 | 0 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

| Received: | 10/31/2024 | Sampling Date: | 10/31/2024 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 11/01/2024 | Sampling Type: | Soil |
| Project Name: | CICADA UNIT 022H RELEASE #3 | Sampling Condition: | Cool & Intact |
| Project Number: | 212C-MD-03521 | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, TX | | |

Sample ID: AH - 2 (6-7') (H246630-06)

| BTEX 8021B | mg/ | ′kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 10/31/2024 | ND | 2.10 | 105 | 2.00 | 0.703 | |
| Toluene* | <0.050 | 0.050 | 10/31/2024 | ND | 2.04 | 102 | 2.00 | 0.424 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/31/2024 | ND | 2.07 | 103 | 2.00 | 0.0780 | |
| Total Xylenes* | <0.150 | 0.150 | 10/31/2024 | ND | 6.14 | 102 | 6.00 | 0.229 | |
| Total BTEX | <0.275 | 0.275 | 10/31/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.2 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | ′kg | Analyzed By: HM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 336 | 16.0 | 11/01/2024 | ND | 432 | 108 | 400 | 0.00 | |
| TPH TX1005 | mg, | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 11/01/2024 | ND | 205 | 102 | 200 | 3.30 | |
| DRO >C12-C28 | <25.0 | 25.0 | 11/01/2024 | ND | 199 | 99.6 | 200 | 2.36 | |
| DRO >C28-C35 | <25.0 | 25.0 | 11/01/2024 | ND | | | | | |
| Total TPH C6-C35* | <25.0 | 25.0 | 11/01/2024 | ND | 404 | 101 | 400 | 2.84 | |
| Surrogate: 1-Chlorooctane | 113 9 | 48.6-15 | 3 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 119 9 | % 41.9-17 | 0 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

| Received: | 10/31/2024 | Sampling Date: | 10/31/2024 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 11/01/2024 | Sampling Type: | Soil |
| Project Name: | CICADA UNIT 022H RELEASE #3 | Sampling Condition: | Cool & Intact |
| Project Number: | 212C-MD-03521 | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, TX | | |

Sample ID: H - 1.3 (0-1') (H246630-07)

| BTEX 8021B | mg/ | ′kg | Analyze | d By: JH | | | | | |
|--------------------------------------|-------------|-----------------|-----------------|--------------|------|------------|---------------|--------|----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| Benzene* | <0.025 | 0.025 | 10/31/2024 | ND | 2.10 | 105 | 2.00 | 0.703 | |
| Toluene* | <0.050 | 0.050 | 10/31/2024 | ND | 2.04 | 102 | 2.00 | 0.424 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/31/2024 | ND | 2.07 | 103 | 2.00 | 0.0780 | |
| Total Xylenes* | <0.150 | 0.150 | 10/31/2024 | ND | 6.14 | 102 | 6.00 | 0.229 | |
| Total BTEX | <0.275 | 0.275 | 10/31/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | <i>98.3</i> | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | ′kg | Analyzed By: HM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| Chloride | 128 | 16.0 | 11/01/2024 | ND | 432 | 108 | 400 | 0.00 | |
| TPH TX1005 | mg/ | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| GRO C6-C12 | <25.0 | 25.0 | 11/01/2024 | ND | 205 | 102 | 200 | 3.30 | |
| DRO >C12-C28 | <25.0 | 25.0 | 11/01/2024 | ND | 199 | 99.6 | 200 | 2.36 | |
| DRO >C28-C35 | <25.0 | 25.0 | 11/01/2024 | ND | | | | | |
| Total TPH C6-C35* | <25.0 | 25.0 | 11/01/2024 | ND | 404 | 101 | 400 | 2.84 | |
| Surrogate: 1-Chlorooctane | 127 9 | 48.6-15 | 3 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 134 9 | % 41.9-17 | 0 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

| Received: | 10/31/2024 | Sampling Date: | 10/31/2024 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 11/01/2024 | Sampling Type: | Soil |
| Project Name: | CICADA UNIT 022H RELEASE #3 | Sampling Condition: | Cool & Intact |
| Project Number: | 212C-MD-03521 | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, TX | | |

Sample ID: H - 5.3 (0-1') (H246630-08)

| BTEX 8021B | mg/ | ′kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 10/31/2024 | ND | 2.10 | 105 | 2.00 | 0.703 | |
| Toluene* | <0.050 | 0.050 | 10/31/2024 | ND | 2.04 | 102 | 2.00 | 0.424 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/31/2024 | ND | 2.07 | 103 | 2.00 | 0.0780 | |
| Total Xylenes* | <0.150 | 0.150 | 10/31/2024 | ND | 6.14 | 102 | 6.00 | 0.229 | |
| Total BTEX | <0.275 | 0.275 | 10/31/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.4 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | ′kg | Analyzed By: HM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 11/01/2024 | ND | 432 | 108 | 400 | 0.00 | |
| TPH TX1005 | mg, | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 11/01/2024 | ND | 205 | 102 | 200 | 3.30 | |
| DRO >C12-C28 | <25.0 | 25.0 | 11/01/2024 | ND | 199 | 99.6 | 200 | 2.36 | |
| DRO >C28-C35 | <25.0 | 25.0 | 11/01/2024 | ND | | | | | |
| Total TPH C6-C35* | <25.0 | 25.0 | 11/01/2024 | ND | 404 | 101 | 400 | 2.84 | |
| Surrogate: 1-Chlorooctane | 125 | % 48.6-15 | 3 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 134 | % 41.9-17 | 0 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

| Received: | 10/31/2024 | Sampling Date: | 10/31/2024 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 11/01/2024 | Sampling Type: | Soil |
| Project Name: | CICADA UNIT 022H RELEASE #3 | Sampling Condition: | Cool & Intact |
| Project Number: | 212C-MD-03521 | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, TX | | |

Sample ID: H - 6.3 (0-1') (H246630-09)

| BTEX 8021B | mg/ | 'kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| Benzene* | <0.025 | 0.025 | 10/31/2024 | ND | 2.10 | 105 | 2.00 | 0.703 | |
| Toluene* | <0.050 | 0.050 | 10/31/2024 | ND | 2.04 | 102 | 2.00 | 0.424 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/31/2024 | ND | 2.07 | 103 | 2.00 | 0.0780 | |
| Total Xylenes* | <0.150 | 0.150 | 10/31/2024 | ND | 6.14 | 102 | 6.00 | 0.229 | |
| Total BTEX | <0.275 | 0.275 | 10/31/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.4 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg, | 'kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 11/01/2024 | ND | 432 | 108 | 400 | 0.00 | |
| TPH TX1005 | mg, | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 11/01/2024 | ND | 205 | 102 | 200 | 3.30 | |
| DRO >C12-C28 | <25.0 | 25.0 | 11/01/2024 | ND | 199 | 99.6 | 200 | 2.36 | |
| DRO >C28-C35 | <25.0 | 25.0 | 11/01/2024 | ND | | | | | |
| Total TPH C6-C35* | <25.0 | 25.0 | 11/01/2024 | ND | 404 | 101 | 400 | 2.84 | |
| Surrogate: 1-Chlorooctane | 128 | 48.6-15 | 3 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 136 | % 41.9-17 | 0 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

| Received: | 10/31/2024 | Sampling Date: | 10/30/2024 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 11/01/2024 | Sampling Type: | Soil |
| Project Name: | CICADA UNIT 022H RELEASE #3 | Sampling Condition: | Cool & Intact |
| Project Number: | 212C-MD-03521 | Sample Received By: | Tamara Oldaker |
| Project Location: | EDDY COUNTY, TX | | |

Sample ID: SP - 1 (H246630-10)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 10/31/2024 | ND | 2.10 | 105 | 2.00 | 0.703 | |
| Toluene* | <0.050 | 0.050 | 10/31/2024 | ND | 2.04 | 102 | 2.00 | 0.424 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/31/2024 | ND | 2.07 | 103 | 2.00 | 0.0780 | |
| Total Xylenes* | <0.150 | 0.150 | 10/31/2024 | ND | 6.14 | 102 | 6.00 | 0.229 | |
| Total BTEX | <0.275 | 0.275 | 10/31/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98.0 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: HM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 304 | 16.0 | 11/01/2024 | ND | 432 | 108 | 400 | 0.00 | |
| TPH TX1005 | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 11/01/2024 | ND | 205 | 102 | 200 | 3.30 | |
| DRO >C12-C28 | <25.0 | 25.0 | 11/01/2024 | ND | 199 | 99.6 | 200 | 2.36 | |
| DRO >C28-C35 | <25.0 | 25.0 | 11/01/2024 | ND | | | | | |
| Total TPH C6-C35* | <25.0 | 25.0 | 11/01/2024 | ND | 404 | 101 | 400 | 2.84 | |
| Surrogate: 1-Chlorooctane | 133 9 | 48.6-15 | 3 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 142 9 | 6 41.9-17 | | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

| ND | Analyte NOT DETECTED at or above the reporting limit |
|-----|---|
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500CI-B does not require samples be received at or below 6°C |

Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Received by OCD: 12/16/2024 8:13:30 PM

| TŁ | Tetra Tech, Inc | с. | | | Midlan Tel (4 | all Stree d,Texas 132) 682 132) 682 | 4559 | | | | | | | | | | | | | Page | , | | <u> </u> | of | |
|-------------------------------------|--|---------------|-------|----------------------|------------------|--|-----------|--------------|----------------|------------|---|-----------|--------------------------|----------|--------------|------------------------|-----------|-------------------|------------------------|-------------------------|----------|---|--------------|----|---|
| Client Name: | Chevron | Site Manager: | | Joh | n Faug | ght | | | | Т | | | | A | NAL | YSI | IS F | REQ | UE | ST | | | | | |
| Project Name: | Cicada Unit 022H Release #3 | | | | | | | | | | | (0 | Circ | le d | or S | pe | cify | уM | eth | lod | No |).) | | | |
| Project Location: county, state) | Eddy County, TX | Project #: | | 2 | 12C-N | /D-03 | 3521 | | | | | | | | | | | | | | | | | | |
| voice to: | john.faught1@tetratech.com; OGA.ECS.AccountsPayable@tetratech | | | | | | Reg # | | | | 100 | | | 5 | | | | | | | | ed list) | | | |
| Receiving Laboratory: | Cardinal Laboratories | Sampler Signa | ture: | | | | ney # | 100 | | | RO - MF | | b Se Hg | H ac d | | | | | | | | (see attached list) | | | |
| | il: john.faught1@tetratech.com; clair.gonzales@te | tratech.com | | | | | | | | 8260B | TPH TX1005 (Ext to C35) TPH 8015M (GRO - DRO - ORO - MRO) | | a Cd Cr Pb Se Hg | | | 24 | 8270C/625 | | | 0 | TDS | stry (se | | | |
| 12414630 | , | SAMPL | ING | MAT | RIX | | SERVATIVE | ss | î | BTEX | Ext to C | | As Ba | Pa ex R | atiles | 60B / 6 | Vol. 827 | | | SM 450 | Sulfate | Chemis | | | |
| LAB # | SAMPLE IDENTIFICATION | YEAR: | | _ | | | | INER | D S | 3B | 005 (I | S | als Ag | atiles | 1 Vol | ol. 82 | Semi. V | 32 / 6 | etos) | 00 or | Sulf | Vater on B | | | |
| LAB USE) | | DATE | TIME | WATER SOIL | | HNO ₃ | CE | # CONTAINERS | FILTERED (Y/N) | BTEX 8021B | TPH TX1005 (Ext to C35) TPH 8015M (GRO - DRO | PAH 8270C | Total Metals Ag As Ba Co | CLP Vola | CLP Ser | GC/MS Vol. 8260B / 624 | GC/MS Se | PCB's 8082 / 608 | NORM PLM (Asbestos) | Chloride 300 or SM 4500 | Chloride | General Water Chemistry Anion/Cation Balance | | | |
| (AH-1 | (5-6') | 10/31/2024 | | X | | | <u> </u> | # | <u> </u> | ™ X | F F X | | ĔĔ | Ĕ | Ĕ | ΫÖ | Ö | Ĕ. | ž ā | | Öd | 5 2 | \vdash | + | + |
| 3 AH-1 | (6-7') | 10/31/2024 | | X | + | + | | | - | x | X | + + | + | + | \mathbb{H} | + | + | \vdash | + | X X | + | + | \mathbb{H} | + | + |
| 3 AH-1 | (7-8') | 10/31/2024 | | X | + + | | | | | x | X | + + | + | + | + | + | + | \vdash | + | x | + | + | \vdash | + | + |
| 4 AH-1 | (8-9') R | 10/31/2024 | | X | ++ | | | | - | X | x | + + | + | + | \vdash | + | + | \vdash | + | x | + | + | \vdash | + | + |
| 5 AH-2 | (5-6') | 10/31/2024 | | X | ++ | | | | - | x | X | | + | + | \vdash | + | + | H | + | X | + | + | \vdash | + | + |
| 6 AH-2 | (6-7') | 10/31/2024 | | X | ++ | + | | | - | x | X | + + | + | + | \vdash | + | + | H | + | ++ | + | + | \vdash | + | + |
| 7 H-1.3 | (0-1') | 10/31/2024 | | X | ++ | Η | ++ | | - | x | X | + + | + | + | \vdash | + | Н | H | + | X | + | + | \vdash | + | + |
| 8 н-5.3 | (0-1') | 10/31/2024 | | X | ++ | + | | | - | x | X | + + | + | + | + | + | Н | \vdash | + | X | + | + | + | + | + |
| 9 H-6.3 | (0-1') | 10/31/2024 | | X | \vdash | + | | | - | x | x | + | + | + | + | + | Н | \vdash | + | X | + | + | + | + | + |
| 10 SP-1 | | 10/30/2024 | | x | \vdash | + | | | | x | Ŷ | + | + | + | + | + | Н | + | + | X | + | ++ | + | + | + |
| linquished by: | Date: Time: 10/31/24 141 | Received by: | UAKA | | Dat | | Time: | | | | | US | E | RE | MAR | KS: | | | _ | X | | | | 1 | 1 |
| linquished by: | Date: Time: | Received by: | una [| | Dat | e: | Time: | | | 1000000 | ple Ter | npera | | [| XR | USH | : Si | amel | Day | 24 | nr 4 | 48 hr | 72 | hr | |
| inquished by: | Date: Time: | Received by: | n |) - [| 31. Dat | <u>24</u> e: | Time: | 11/12 | 'n | 3.0 C. | 104 E- | 3.0. | 0- lee | | | | | rges A eport L | | | | Repo | ort | | |

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November 06, 2024

JOHN FAUGHT TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND, TX 79701

RE: CICADA UNIT 022H RELEASE #3

Enclosed are the results of analyses for samples received by the laboratory on 10/31/24 14:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

| Received: | 10/31/2024 | Sampling Date: | 10/29/2024 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 11/06/2024 | Sampling Type: | Soil |
| Project Name: | CICADA UNIT 022H RELEASE #3 | Sampling Condition: | Cool & Intact |
| Project Number: | 212C-MD-03521 | Sample Received By: | Tamara Oldaker |
| Project Location: | CHEVRON - EDDY COUNTY, TX | | |

Sample ID: TT - 5 (0-0.5') (H246631-01)

| BTEX 8021B | mg, | ′kg | Analyze | d By: JH | | | | | S-04 |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| Benzene* | <0.025 | 0.025 | 11/04/2024 | ND | 1.98 | 99.2 | 2.00 | 10.9 | |
| Toluene* | 0.053 | 0.050 | 11/04/2024 | ND | 2.07 | 104 | 2.00 | 9.20 | GC-NC |
| Ethylbenzene* | 0.127 | 0.050 | 11/04/2024 | ND | 2.03 | 102 | 2.00 | 8.07 | GC-NC |
| Total Xylenes* | 1.38 | 0.150 | 11/04/2024 | ND | 6.48 | 108 | 6.00 | 6.88 | |
| Total BTEX | 1.56 | 0.275 | 11/04/2024 | ND | | | | | GC-NC |
| Surrogate: 4-Bromofluorobenzene (PID | 160 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | ′kg | Analyze | d By: CT | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| Chloride | 1150 | 16.0 | 11/04/2024 | ND | 464 | 116 | 400 | 3.51 | |
| TPH TX1005 | mg/ | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| GRO C6-C12 | 479 | 25.0 | 11/01/2024 | ND | 190 | 94.9 | 200 | 1.07 | |
| DRO >C12-C28 | 3230 | 25.0 | 11/01/2024 | ND | 177 | 88.5 | 200 | 1.95 | |
| DRO >C28-C35 | 622 | 25.0 | 11/01/2024 | ND | | | | | |
| Total TPH C6-C35* | 4330 | 25.0 | 11/01/2024 | ND | 367 | 91.7 | 400 | 0.376 | |
| Surrogate: 1-Chlorooctane | 120 | 48.6-15 | 3 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 102 | % 41.9-17 | 0 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

| Received: | 10/31/2024 | Sampling Date: | 10/29/2024 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 11/06/2024 | Sampling Type: | Soil |
| Project Name: | CICADA UNIT 022H RELEASE #3 | Sampling Condition: | Cool & Intact |
| Project Number: | 212C-MD-03521 | Sample Received By: | Tamara Oldaker |
| Project Location: | CHEVRON - EDDY COUNTY, TX | | |

Sample ID: TT - 5 (1') (H246631-02)

| BTEX 8021B | mg/ | ′kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 11/04/2024 | ND | 1.98 | 99.2 | 2.00 | 10.9 | |
| Toluene* | <0.050 | 0.050 | 11/04/2024 | ND | 2.07 | 104 | 2.00 | 9.20 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/04/2024 | ND | 2.03 | 102 | 2.00 | 8.07 | |
| Total Xylenes* | <0.150 | 0.150 | 11/04/2024 | ND | 6.48 | 108 | 6.00 | 6.88 | |
| Total BTEX | <0.275 | 0.275 | 11/04/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 108 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | ′kg | Analyze | d By: CT | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 368 | 16.0 | 11/04/2024 | ND | 464 | 116 | 400 | 3.51 | |
| ТРН ТХ1005 | mg/ | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 11/01/2024 | ND | 190 | 94.9 | 200 | 1.07 | |
| DRO >C12-C28 | 73.3 | 25.0 | 11/01/2024 | ND | 177 | 88.5 | 200 | 1.95 | |
| DRO >C28-C35 | <25.0 | 25.0 | 11/01/2024 | ND | | | | | |
| Total TPH C6-C35* | 73.3 | 25.0 | 11/01/2024 | ND | 367 | 91.7 | 400 | 0.376 | |
| Surrogate: 1-Chlorooctane | 94.8 | % 48.6-15 | 3 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 90.5 | % 41.9-17 | 0 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

| Received: | 10/31/2024 | Sampling Date: | 10/29/2024 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 11/06/2024 | Sampling Type: | Soil |
| Project Name: | CICADA UNIT 022H RELEASE #3 | Sampling Condition: | Cool & Intact |
| Project Number: | 212C-MD-03521 | Sample Received By: | Tamara Oldaker |
| Project Location: | CHEVRON - EDDY COUNTY, TX | | |

Sample ID: TT - 5 (2') (H246631-03)

| BTEX 8021B | mg/ | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 11/04/2024 | ND | 2.02 | 101 | 2.00 | 1.12 | |
| Toluene* | <0.050 | 0.050 | 11/04/2024 | ND | 1.96 | 98.2 | 2.00 | 2.56 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/04/2024 | ND | 1.98 | 98.9 | 2.00 | 3.07 | |
| Total Xylenes* | <0.150 | 0.150 | 11/04/2024 | ND | 5.87 | 97.8 | 6.00 | 3.15 | |
| Total BTEX | <0.275 | 0.275 | 11/04/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 5 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: CT | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 11/04/2024 | ND | 464 | 116 | 400 | 3.51 | |
| TPH TX1005 | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 11/01/2024 | ND | 190 | 94.9 | 200 | 1.07 | |
| DRO >C12-C28 | <25.0 | 25.0 | 11/01/2024 | ND | 177 | 88.5 | 200 | 1.95 | |
| DRO >C28-C35 | <25.0 | 25.0 | 11/01/2024 | ND | | | | | |
| Total TPH C6-C35* | <25.0 | 25.0 | 11/01/2024 | ND | 367 | 91.7 | 400 | 0.376 | |
| Surrogate: 1-Chlorooctane | 87.7 | % 48.6-15 | 3 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 81.6 | % 41.9-17 | | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

| Received: | 10/31/2024 | Sampling Date: | 10/29/2024 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 11/06/2024 | Sampling Type: | Soil |
| Project Name: | CICADA UNIT 022H RELEASE #3 | Sampling Condition: | Cool & Intact |
| Project Number: | 212C-MD-03521 | Sample Received By: | Tamara Oldaker |
| Project Location: | CHEVRON - EDDY COUNTY, TX | | |

Sample ID: TT - 5 (3') (H246631-04)

| BTEX 8021B | mg | ′kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 11/04/2024 | ND | 2.02 | 101 | 2.00 | 1.12 | |
| Toluene* | <0.050 | 0.050 | 11/04/2024 | ND | 1.96 | 98.2 | 2.00 | 2.56 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/04/2024 | ND | 1.98 | 98.9 | 2.00 | 3.07 | |
| Total Xylenes* | <0.150 | 0.150 | 11/04/2024 | ND | 5.87 | 97.8 | 6.00 | 3.15 | |
| Total BTEX | <0.275 | 0.275 | 11/04/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98.9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg | ′kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 11/04/2024 | ND | 448 | 112 | 400 | 0.00 | |
| TPH TX1005 | mg | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 11/01/2024 | ND | 190 | 94.9 | 200 | 1.07 | |
| DRO >C12-C28 | <25.0 | 25.0 | 11/01/2024 | ND | 177 | 88.5 | 200 | 1.95 | |
| DRO >C28-C35 | <25.0 | 25.0 | 11/01/2024 | ND | | | | | |
| Total TPH C6-C35* | <25.0 | 25.0 | 11/01/2024 | ND | 367 | 91.7 | 400 | 0.376 | |
| Surrogate: 1-Chlorooctane | 98.3 | % 48.6-15 | 3 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 92.3 | % 41.9-17 | | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

| Received: | 10/31/2024 | Sampling Date: | 10/29/2024 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 11/06/2024 | Sampling Type: | Soil |
| Project Name: | CICADA UNIT 022H RELEASE #3 | Sampling Condition: | Cool & Intact |
| Project Number: | 212C-MD-03521 | Sample Received By: | Tamara Oldaker |
| Project Location: | CHEVRON - EDDY COUNTY, TX | | |

Sample ID: TT - 6 (0-0.5') (H246631-06)

| BTEX 8021B | mg, | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 11/04/2024 | ND | 2.02 | 101 | 2.00 | 1.12 | |
| Toluene* | <0.050 | 0.050 | 11/04/2024 | ND | 1.96 | 98.2 | 2.00 | 2.56 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/04/2024 | ND | 1.98 | 98.9 | 2.00 | 3.07 | |
| Total Xylenes* | <0.150 | 0.150 | 11/04/2024 | ND | 5.87 | 97.8 | 6.00 | 3.15 | |
| Total BTEX | <0.275 | 0.275 | 11/04/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 \$ | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3320 | 16.0 | 11/04/2024 | ND | 448 | 112 | 400 | 0.00 | |
| ТРН ТХ1005 | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 11/01/2024 | ND | 190 | 94.9 | 200 | 1.07 | |
| DRO >C12-C28 | <25.0 | 25.0 | 11/01/2024 | ND | 177 | 88.5 | 200 | 1.95 | |
| DRO >C28-C35 | <25.0 | 25.0 | 11/01/2024 | ND | | | | | |
| Total TPH C6-C35* | <25.0 | 25.0 | 11/01/2024 | ND | 367 | 91.7 | 400 | 0.376 | |
| Surrogate: 1-Chlorooctane | 95.7 | % 48.6-15 | 3 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 88.5 | % 41.9-17 | 0 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

| Received: | 10/31/2024 | Sampling Date: | 10/29/2024 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 11/06/2024 | Sampling Type: | Soil |
| Project Name: | CICADA UNIT 022H RELEASE #3 | Sampling Condition: | Cool & Intact |
| Project Number: | 212C-MD-03521 | Sample Received By: | Tamara Oldaker |
| Project Location: | CHEVRON - EDDY COUNTY, TX | | |

Sample ID: TT - 6 (1') (H246631-07)

| BTEX 8021B | mg, | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 11/04/2024 | ND | 2.02 | 101 | 2.00 | 1.12 | |
| Toluene* | <0.050 | 0.050 | 11/04/2024 | ND | 1.96 | 98.2 | 2.00 | 2.56 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/04/2024 | ND | 1.98 | 98.9 | 2.00 | 3.07 | |
| Total Xylenes* | <0.150 | 0.150 | 11/04/2024 | ND | 5.87 | 97.8 | 6.00 | 3.15 | |
| Total BTEX | <0.275 | 0.275 | 11/04/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 \$ | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 11/04/2024 | ND | 448 | 112 | 400 | 0.00 | |
| TPH TX1005 | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 11/01/2024 | ND | 190 | 94.9 | 200 | 1.07 | |
| DRO >C12-C28 | <25.0 | 25.0 | 11/01/2024 | ND | 177 | 88.5 | 200 | 1.95 | |
| DRO >C28-C35 | <25.0 | 25.0 | 11/01/2024 | ND | | | | | |
| Total TPH C6-C35* | <25.0 | 25.0 | 11/01/2024 | ND | 367 | 91.7 | 400 | 0.376 | |
| Surrogate: 1-Chlorooctane | 80.6 | % 48.6-15 | 3 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 73.3 | % 41.9-17 | 0 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

| Received: | 10/31/2024 | Sampling Date: | 10/29/2024 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 11/06/2024 | Sampling Type: | Soil |
| Project Name: | CICADA UNIT 022H RELEASE #3 | Sampling Condition: | Cool & Intact |
| Project Number: | 212C-MD-03521 | Sample Received By: | Tamara Oldaker |
| Project Location: | CHEVRON - EDDY COUNTY, TX | | |

Sample ID: TT - 7 (0-0.5') (H246631-11)

| BTEX 8021B | mg/ | ′kg | Analyze | d By: JH | | | | | S-04 |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| Benzene* | <0.100 | 0.100 | 11/04/2024 | ND | 2.02 | 101 | 2.00 | 1.12 | |
| Toluene* | 1.08 | 0.200 | 11/04/2024 | ND | 1.96 | 98.2 | 2.00 | 2.56 | GC-NC |
| Ethylbenzene* | 2.09 | 0.200 | 11/04/2024 | ND | 1.98 | 98.9 | 2.00 | 3.07 | GC-NC |
| Total Xylenes* | 20.6 | 0.600 | 11/04/2024 | ND | 5.87 | 97.8 | 6.00 | 3.15 | |
| Total BTEX | 23.8 | 1.10 | 11/04/2024 | ND | | | | | GC-NC |
| Surrogate: 4-Bromofluorobenzene (PID | 267 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | ′kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| Chloride | 2240 | 16.0 | 11/04/2024 | ND | 448 | 112 | 400 | 0.00 | |
| TPH TX1005 | mg/ | ′kg | Analyze | d By: MS | | | | | S-06 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| GRO C6-C12 | 3140 | 125 | 11/02/2024 | ND | 190 | 94.9 | 200 | 1.07 | |
| DRO >C12-C28 | 13900 | 125 | 11/02/2024 | ND | 177 | 88.5 | 200 | 1.95 | |
| DRO >C28-C35 | 2540 | 125 | 11/02/2024 | ND | | | | | |
| Total TPH C6-C35* | 19600 | 125 | 11/02/2024 | ND | 367 | 91.7 | 400 | 0.376 | |
| Surrogate: 1-Chlorooctane | 415 9 | 48.6-15 | 3 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 263 9 | % 41.9-17 | 0 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

| Received: | 10/31/2024 | Sampling Date: | 10/29/2024 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 11/06/2024 | Sampling Type: | Soil |
| Project Name: | CICADA UNIT 022H RELEASE #3 | Sampling Condition: | Cool & Intact |
| Project Number: | 212C-MD-03521 | Sample Received By: | Tamara Oldaker |
| Project Location: | CHEVRON - EDDY COUNTY, TX | | |

Sample ID: TT - 7 (1') (H246631-12)

| BTEX 8021B | mg, | ′kg | Analyze | d By: JH | | | | | S-04 |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| Benzene* | <0.025 | 0.025 | 11/03/2024 | ND | 2.02 | 101 | 2.00 | 1.12 | |
| Toluene* | 0.077 | 0.050 | 11/03/2024 | ND | 1.96 | 98.2 | 2.00 | 2.56 | GC-NC |
| Ethylbenzene* | 0.185 | 0.050 | 11/03/2024 | ND | 1.98 | 98.9 | 2.00 | 3.07 | GC-NC |
| Total Xylenes* | 1.13 | 0.150 | 11/03/2024 | ND | 5.87 | 97.8 | 6.00 | 3.15 | |
| Total BTEX | 1.40 | 0.275 | 11/03/2024 | ND | | | | | GC-NC |
| Surrogate: 4-Bromofluorobenzene (PID | 169 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg, | ′kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| Chloride | 3000 | 16.0 | 11/04/2024 | ND | 448 | 112 | 400 | 0.00 | |
| TPH TX1005 | mg/ | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| GRO C6-C12 | 434 | 25.0 | 11/01/2024 | ND | 190 | 94.9 | 200 | 1.07 | |
| DRO >C12-C28 | 4250 | 25.0 | 11/01/2024 | ND | 177 | 88.5 | 200 | 1.95 | |
| DRO >C28-C35 | 907 | 25.0 | 11/01/2024 | ND | | | | | |
| Total TPH C6-C35* | 5590 | 25.0 | 11/01/2024 | ND | 367 | 91.7 | 400 | 0.376 | |
| Surrogate: 1-Chlorooctane | 116 9 | 48.6-15 | 3 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 107 | % 41.9-17 | 0 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

| Received: | 10/31/2024 | Sampling Date: | 10/29/2024 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 11/06/2024 | Sampling Type: | Soil |
| Project Name: | CICADA UNIT 022H RELEASE #3 | Sampling Condition: | Cool & Intact |
| Project Number: | 212C-MD-03521 | Sample Received By: | Tamara Oldaker |
| Project Location: | CHEVRON - EDDY COUNTY, TX | | |

Sample ID: TT - 7 (2') (H246631-13)

| BTEX 8021B | mg/ | ′kg | Analyze | d By: JH | | | | | S-04 |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| Benzene* | <0.025 | 0.025 | 11/04/2024 | ND | 2.02 | 101 | 2.00 | 1.12 | |
| Toluene* | 0.090 | 0.050 | 11/04/2024 | ND | 1.96 | 98.2 | 2.00 | 2.56 | GC-NC |
| Ethylbenzene* | 0.202 | 0.050 | 11/04/2024 | ND | 1.98 | 98.9 | 2.00 | 3.07 | GC-NC |
| Total Xylenes* | 0.643 | 0.150 | 11/04/2024 | ND | 5.87 | 97.8 | 6.00 | 3.15 | |
| Total BTEX | 0.935 | 0.275 | 11/04/2024 | ND | | | | | GC-NC1 |
| Surrogate: 4-Bromofluorobenzene (PID | 182 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | ′kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2320 | 16.0 | 11/04/2024 | ND | 448 | 112 | 400 | 0.00 | |
| TPH TX1005 | mg/ | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | 246 | 25.0 | 11/01/2024 | ND | 190 | 94.9 | 200 | 1.07 | |
| DRO >C12-C28 | 2640 | 25.0 | 11/01/2024 | ND | 177 | 88.5 | 200 | 1.95 | |
| DRO >C28-C35 | 559 | 25.0 | 11/01/2024 | ND | | | | | |
| Total TPH C6-C35* | 3440 | 25.0 | 11/01/2024 | ND | 367 | 91.7 | 400 | 0.376 | |
| Surrogate: 1-Chlorooctane | 105 9 | 48.6-15 | 3 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 102 9 | % 41.9-17 | 0 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

| Received: | 10/31/2024 | Sampling Date: | 10/29/2024 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 11/06/2024 | Sampling Type: | Soil |
| Project Name: | CICADA UNIT 022H RELEASE #3 | Sampling Condition: | Cool & Intact |
| Project Number: | 212C-MD-03521 | Sample Received By: | Tamara Oldaker |
| Project Location: | CHEVRON - EDDY COUNTY, TX | | |

Sample ID: TT - 7 (3') (H246631-14)

| BTEX 8021B | mg/ | ′kg | Analyze | d By: JH | | | | | S-04 |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| Benzene* | <0.025 | 0.025 | 11/03/2024 | ND | 2.02 | 101 | 2.00 | 1.12 | |
| Toluene* | 0.144 | 0.050 | 11/03/2024 | ND | 1.96 | 98.2 | 2.00 | 2.56 | GC-NC |
| Ethylbenzene* | 0.202 | 0.050 | 11/03/2024 | ND | 1.98 | 98.9 | 2.00 | 3.07 | GC-NC |
| Total Xylenes* | 0.841 | 0.150 | 11/03/2024 | ND | 5.87 | 97.8 | 6.00 | 3.15 | |
| Total BTEX | 1.19 | 0.275 | 11/03/2024 | ND | | | | | GC-NC |
| Surrogate: 4-Bromofluorobenzene (PID | 172 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | ′kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| Chloride | 1310 | 16.0 | 11/04/2024 | ND | 448 | 112 | 400 | 0.00 | |
| TPH TX1005 | mg/ | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| GRO C6-C12 | 55.1 | 25.0 | 11/01/2024 | ND | 190 | 94.9 | 200 | 1.07 | |
| DRO >C12-C28 | 531 | 25.0 | 11/01/2024 | ND | 177 | 88.5 | 200 | 1.95 | |
| DRO >C28-C35 | 108 | 25.0 | 11/01/2024 | ND | | | | | |
| Total TPH C6-C35* | 694 | 25.0 | 11/01/2024 | ND | 367 | 91.7 | 400 | 0.376 | |
| Surrogate: 1-Chlorooctane | 95.5 | % 48.6-15 | 3 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 90.2 | % 41.9-17 | 0 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

| Received: | 10/31/2024 | Sampling Date: | 10/29/2024 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 11/06/2024 | Sampling Type: | Soil |
| Project Name: | CICADA UNIT 022H RELEASE #3 | Sampling Condition: | Cool & Intact |
| Project Number: | 212C-MD-03521 | Sample Received By: | Tamara Oldaker |
| Project Location: | CHEVRON - EDDY COUNTY, TX | | |

Sample ID: TT - 7 (4') (H246631-15)

| BTEX 8021B | mg/ | ′kg | Analyze | d By: JH | | | | | S-04 |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 11/04/2024 | ND | 2.02 | 101 | 2.00 | 1.12 | |
| Toluene* | 0.515 | 0.050 | 11/04/2024 | ND | 1.96 | 98.2 | 2.00 | 2.56 | GC-NC: |
| Ethylbenzene* | 0.748 | 0.050 | 11/04/2024 | ND | 1.98 | 98.9 | 2.00 | 3.07 | GC-NC |
| Total Xylenes* | 3.74 | 0.150 | 11/04/2024 | ND | 5.87 | 97.8 | 6.00 | 3.15 | |
| Total BTEX | 5.00 | 0.275 | 11/04/2024 | ND | | | | | GC-NC |
| Surrogate: 4-Bromofluorobenzene (PID | 370 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | ′kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 6600 | 16.0 | 11/04/2024 | ND | 448 | 112 | 400 | 0.00 | |
| TPH TX1005 | mg/ | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | 889 | 25.0 | 11/01/2024 | ND | 190 | 94.9 | 200 | 1.07 | |
| DRO >C12-C28 | 6240 | 25.0 | 11/01/2024 | ND | 177 | 88.5 | 200 | 1.95 | |
| DRO >C28-C35 | 1250 | 25.0 | 11/01/2024 | ND | | | | | |
| Total TPH C6-C35* | 8380 | 25.0 | 11/01/2024 | ND | 367 | 91.7 | 400 | 0.376 | |
| Surrogate: 1-Chlorooctane | 143 | 48.6-15 | 3 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 120 | % 41.9-17 | 0 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

| Received: | 10/31/2024 | Sampling Date: | 10/29/2024 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 11/06/2024 | Sampling Type: | Soil |
| Project Name: | CICADA UNIT 022H RELEASE #3 | Sampling Condition: | Cool & Intact |
| Project Number: | 212C-MD-03521 | Sample Received By: | Tamara Oldaker |
| Project Location: | CHEVRON - EDDY COUNTY, TX | | |

Sample ID: TT - 7 (5') (H246631-16)

| BTEX 8021B | mg, | ′kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| Benzene* | <0.025 | 0.025 | 11/03/2024 | ND | 2.02 | 101 | 2.00 | 1.12 | |
| Toluene* | <0.050 | 0.050 | 11/03/2024 | ND | 1.96 | 98.2 | 2.00 | 2.56 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/03/2024 | ND | 1.98 | 98.9 | 2.00 | 3.07 | |
| Total Xylenes* | <0.150 | 0.150 | 11/03/2024 | ND | 5.87 | 97.8 | 6.00 | 3.15 | |
| Total BTEX | <0.275 | 0.275 | 11/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 106 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | ′kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| Chloride | 288 | 16.0 | 11/04/2024 | ND | 448 | 112 | 400 | 0.00 | |
| TPH TX1005 | mg, | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| GRO C6-C12 | <25.0 | 25.0 | 11/01/2024 | ND | 190 | 94.9 | 200 | 1.07 | |
| DRO >C12-C28 | 64.8 | 25.0 | 11/01/2024 | ND | 177 | 88.5 | 200 | 1.95 | |
| DRO >C28-C35 | <25.0 | 25.0 | 11/01/2024 | ND | | | | | |
| Total TPH C6-C35* | 64.8 | 25.0 | 11/01/2024 | ND | 367 | 91.7 | 400 | 0.376 | |
| Surrogate: 1-Chlorooctane | 104 | % 48.6-15 | 3 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 101 | % 41.9-17 | 0 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

| Received: | 10/31/2024 | Sampling Date: | 10/29/2024 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 11/06/2024 | Sampling Type: | Soil |
| Project Name: | CICADA UNIT 022H RELEASE #3 | Sampling Condition: | Cool & Intact |
| Project Number: | 212C-MD-03521 | Sample Received By: | Tamara Oldaker |
| Project Location: | CHEVRON - EDDY COUNTY, TX | | |

Sample ID: TT - 7 (6') (H246631-17)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 11/03/2024 | ND | 2.02 | 101 | 2.00 | 1.12 | |
| Toluene* | <0.050 | 0.050 | 11/03/2024 | ND | 1.96 | 98.2 | 2.00 | 2.56 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/03/2024 | ND | 1.98 | 98.9 | 2.00 | 3.07 | |
| Total Xylenes* | 0.209 | 0.150 | 11/03/2024 | ND | 5.87 | 97.8 | 6.00 | 3.15 | |
| Total BTEX | <0.275 | 0.275 | 11/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 109 % | 6 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 848 | 16.0 | 11/04/2024 | ND | 448 | 112 | 400 | 0.00 | |
| ТРН ТХ1005 | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | 28.5 | 25.0 | 11/01/2024 | ND | 190 | 94.9 | 200 | 1.07 | |
| DRO >C12-C28 | 676 | 25.0 | 11/01/2024 | ND | 177 | 88.5 | 200 | 1.95 | |
| DRO >C28-C35 | 153 | 25.0 | 11/01/2024 | ND | | | | | |
| Total TPH C6-C35* | 858 | 25.0 | 11/01/2024 | ND | 367 | 91.7 | 400 | 0.376 | |
| Surrogate: 1-Chlorooctane | 105 % | 6 48.6-15 | 3 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 99.9 9 | % 41.9-17 | 0 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

| Received: | 10/31/2024 | Sampling Date: | 10/29/2024 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 11/06/2024 | Sampling Type: | Soil |
| Project Name: | CICADA UNIT 022H RELEASE #3 | Sampling Condition: | Cool & Intact |
| Project Number: | 212C-MD-03521 | Sample Received By: | Tamara Oldaker |
| Project Location: | CHEVRON - EDDY COUNTY, TX | | |

Sample ID: TT - 7 (7') (H246631-18)

| BTEX 8021B | mg | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 11/03/2024 | ND | 2.02 | 101 | 2.00 | 1.12 | |
| Toluene* | <0.050 | 0.050 | 11/03/2024 | ND | 1.96 | 98.2 | 2.00 | 2.56 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/03/2024 | ND | 1.98 | 98.9 | 2.00 | 3.07 | |
| Total Xylenes* | <0.150 | 0.150 | 11/03/2024 | ND | 5.87 | 97.8 | 6.00 | 3.15 | |
| Total BTEX | <0.275 | 0.275 | 11/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 176 | 16.0 | 11/04/2024 | ND | 448 | 112 | 400 | 0.00 | |
| TPH TX1005 | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 11/01/2024 | ND | 190 | 94.9 | 200 | 1.07 | |
| DRO >C12-C28 | 30.2 | 25.0 | 11/01/2024 | ND | 177 | 88.5 | 200 | 1.95 | |
| DRO >C28-C35 | <25.0 | 25.0 | 11/01/2024 | ND | | | | | |
| Total TPH C6-C35* | 30.2 | 25.0 | 11/01/2024 | ND | 367 | 91.7 | 400 | 0.376 | |
| Surrogate: 1-Chlorooctane | 101 | % 48.6-15 | 3 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 96.7 | % 41.9-17 | 0 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

| Received: | 10/31/2024 | Sampling Date: | 10/29/2024 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 11/06/2024 | Sampling Type: | Soil |
| Project Name: | CICADA UNIT 022H RELEASE #3 | Sampling Condition: | Cool & Intact |
| Project Number: | 212C-MD-03521 | Sample Received By: | Tamara Oldaker |
| Project Location: | CHEVRON - EDDY COUNTY, TX | | |

Sample ID: TT - 8 (0-0.5') (H246631-20)

| BTEX 8021B | mg/ | 'kg | Analyze | d By: JH | | | | | S-04 |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| Benzene* | <0.025 | 0.025 | 11/03/2024 | ND | 2.02 | 101 | 2.00 | 1.12 | |
| Toluene* | <0.050 | 0.050 | 11/03/2024 | ND | 1.96 | 98.2 | 2.00 | 2.56 | |
| Ethylbenzene* | 0.061 | 0.050 | 11/03/2024 | ND | 1.98 | 98.9 | 2.00 | 3.07 | GC-NC |
| Total Xylenes* | 0.530 | 0.150 | 11/03/2024 | ND | 5.87 | 97.8 | 6.00 | 3.15 | |
| Total BTEX | 0.591 | 0.275 | 11/03/2024 | ND | | | | | GC-NC |
| Surrogate: 4-Bromofluorobenzene (PID | 139 9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| Chloride | 5360 | 16.0 | 11/04/2024 | ND | 448 | 112 | 400 | 0.00 | |
| TPH TX1005 | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| GRO C6-C12 | 247 | 25.0 | 11/01/2024 | ND | 181 | 90.3 | 200 | 8.41 | |
| DRO >C12-C28 | 2540 | 25.0 | 11/01/2024 | ND | 199 | 99.7 | 200 | 9.01 | QM-07 |
| DRO >C28-C35 | 519 | 25.0 | 11/01/2024 | ND | | | | | |
| Total TPH C6-C35* | 3310 | 25.0 | 11/01/2024 | ND | 586 | 147 | 400 | 43.1 | QM-07 |
| Surrogate: 1-Chlorooctane | 81.7 | % 48.6-15 | 3 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 81.9 | % 41.9-17 | 0 | | | | | | |

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

| Received: | 10/31/2024 | Sampling Date: | 10/29/2024 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 11/06/2024 | Sampling Type: | Soil |
| Project Name: | CICADA UNIT 022H RELEASE #3 | Sampling Condition: | Cool & Intact |
| Project Number: | 212C-MD-03521 | Sample Received By: | Tamara Oldaker |
| Project Location: | CHEVRON - EDDY COUNTY, TX | | |

Sample ID: TT - 8 (1') (H246631-21)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 11/03/2024 | ND | 2.02 | 101 | 2.00 | 1.12 | |
| Toluene* | <0.050 | 0.050 | 11/03/2024 | ND | 1.96 | 98.2 | 2.00 | 2.56 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/03/2024 | ND | 1.98 | 98.9 | 2.00 | 3.07 | |
| Total Xylenes* | <0.150 | 0.150 | 11/03/2024 | ND | 5.87 | 97.8 | 6.00 | 3.15 | |
| Total BTEX | <0.275 | 0.275 | 11/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 % | 6 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1840 | 16.0 | 11/04/2024 | ND | 448 | 112 | 400 | 0.00 | |
| TPH TX1005 | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 11/01/2024 | ND | 181 | 90.3 | 200 | 8.41 | |
| DRO >C12-C28 | 41.6 | 25.0 | 11/01/2024 | ND | 199 | 99.7 | 200 | 9.01 | |
| DRO >C28-C35 | <25.0 | 25.0 | 11/01/2024 | ND | | | | | |
| Total TPH C6-C35* | 41.6 | 25.0 | 11/01/2024 | ND | 586 | 147 | 400 | 43.1 | |
| Surrogate: 1-Chlorooctane | 88.2 9 | 48.6-15 | 3 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 84.9 | % 41.9-17 | 0 | | | | | | |

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

| Received: | 10/31/2024 | Sampling Date: | 10/29/2024 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 11/06/2024 | Sampling Type: | Soil |
| Project Name: | CICADA UNIT 022H RELEASE #3 | Sampling Condition: | Cool & Intact |
| Project Number: | 212C-MD-03521 | Sample Received By: | Tamara Oldaker |
| Project Location: | CHEVRON - EDDY COUNTY, TX | | |

Sample ID: TT - 8 (2') (H246631-22)

| BTEX 8021B | mg | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 11/03/2024 | ND | 2.02 | 101 | 2.00 | 1.12 | |
| Toluene* | <0.050 | 0.050 | 11/03/2024 | ND | 1.96 | 98.2 | 2.00 | 2.56 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/03/2024 | ND | 1.98 | 98.9 | 2.00 | 3.07 | |
| Total Xylenes* | <0.150 | 0.150 | 11/03/2024 | ND | 5.87 | 97.8 | 6.00 | 3.15 | |
| Total BTEX | <0.275 | 0.275 | 11/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98.4 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 336 | 16.0 | 11/04/2024 | ND | 448 | 112 | 400 | 0.00 | |
| TPH TX1005 | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 11/01/2024 | ND | 181 | 90.3 | 200 | 8.41 | |
| DRO >C12-C28 | <25.0 | 25.0 | 11/01/2024 | ND | 199 | 99.7 | 200 | 9.01 | |
| DRO >C28-C35 | <25.0 | 25.0 | 11/01/2024 | ND | | | | | |
| Total TPH C6-C35* | <25.0 | 25.0 | 11/01/2024 | ND | 586 | 147 | 400 | 43.1 | |
| Surrogate: 1-Chlorooctane | 78.8 | % 48.6-15 | 3 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 75.6 | % 41.9-17 | 10 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

| Received: | 10/31/2024 | Sampling Date: | 10/29/2024 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 11/06/2024 | Sampling Type: | Soil |
| Project Name: | CICADA UNIT 022H RELEASE #3 | Sampling Condition: | Cool & Intact |
| Project Number: | 212C-MD-03521 | Sample Received By: | Tamara Oldaker |
| Project Location: | CHEVRON - EDDY COUNTY, TX | | |

Sample ID: TT - 8 (4') (H246631-24)

| BTEX 8021B | mg/ | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 11/03/2024 | ND | 2.02 | 101 | 2.00 | 1.12 | |
| Toluene* | <0.050 | 0.050 | 11/03/2024 | ND | 1.96 | 98.2 | 2.00 | 2.56 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/03/2024 | ND | 1.98 | 98.9 | 2.00 | 3.07 | |
| Total Xylenes* | <0.150 | 0.150 | 11/03/2024 | ND | 5.87 | 97.8 | 6.00 | 3.15 | |
| Total BTEX | <0.275 | 0.275 | 11/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 \$ | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 11/04/2024 | ND | 448 | 112 | 400 | 0.00 | |
| TPH TX1005 | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 11/01/2024 | ND | 181 | 90.3 | 200 | 8.41 | |
| DRO >C12-C28 | <25.0 | 25.0 | 11/01/2024 | ND | 199 | 99.7 | 200 | 9.01 | |
| DRO >C28-C35 | <25.0 | 25.0 | 11/01/2024 | ND | | | | | |
| Total TPH C6-C35* | <25.0 | 25.0 | 11/01/2024 | ND | 586 | 147 | 400 | 43.1 | |
| Surrogate: 1-Chlorooctane | 75.0 | % 48.6-15 | 3 | | | | | | |
| | 75.8 | 70 40.0-13 | 5 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

| Received: | 10/31/2024 | Sampling Date: | 10/29/2024 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 11/06/2024 | Sampling Type: | Soil |
| Project Name: | CICADA UNIT 022H RELEASE #3 | Sampling Condition: | Cool & Intact |
| Project Number: | 212C-MD-03521 | Sample Received By: | Tamara Oldaker |
| Project Location: | CHEVRON - EDDY COUNTY, TX | | |

Sample ID: H - 2.3 (0-1') (H246631-25)

| BTEX 8021B | mg/ | 'kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 11/03/2024 | ND | 2.02 | 101 | 2.00 | 1.12 | |
| Toluene* | <0.050 | 0.050 | 11/03/2024 | ND | 1.96 | 98.2 | 2.00 | 2.56 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/03/2024 | ND | 1.98 | 98.9 | 2.00 | 3.07 | |
| Total Xylenes* | <0.150 | 0.150 | 11/03/2024 | ND | 5.87 | 97.8 | 6.00 | 3.15 | |
| Total BTEX | <0.275 | 0.275 | 11/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.9 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg, | 'kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 11/04/2024 | ND | 448 | 112 | 400 | 0.00 | |
| ТРН ТХ1005 | mg, | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 11/01/2024 | ND | 181 | 90.3 | 200 | 8.41 | |
| DRO >C12-C28 | <25.0 | 25.0 | 11/01/2024 | ND | 199 | 99.7 | 200 | 9.01 | |
| DRO >C28-C35 | <25.0 | 25.0 | 11/01/2024 | ND | | | | | |
| Total TPH C6-C35* | <25.0 | 25.0 | 11/01/2024 | ND | 586 | 147 | 400 | 43.1 | |
| Surrogate: 1-Chlorooctane | 76.0 | % 48.6-15 | 3 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 71.9 | % 41.9-17 | 0 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

| Received: | 10/31/2024 | Sampling Date: | 10/29/2024 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 11/06/2024 | Sampling Type: | Soil |
| Project Name: | CICADA UNIT 022H RELEASE #3 | Sampling Condition: | Cool & Intact |
| Project Number: | 212C-MD-03521 | Sample Received By: | Tamara Oldaker |
| Project Location: | CHEVRON - EDDY COUNTY, TX | | |

Sample ID: H - 3.3 (0-1') (H246631-26)

| BTEX 8021B | mg/ | ′kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 11/03/2024 | ND | 2.02 | 101 | 2.00 | 1.12 | |
| Toluene* | <0.050 | 0.050 | 11/03/2024 | ND | 1.96 | 98.2 | 2.00 | 2.56 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/03/2024 | ND | 1.98 | 98.9 | 2.00 | 3.07 | |
| Total Xylenes* | <0.150 | 0.150 | 11/03/2024 | ND | 5.87 | 97.8 | 6.00 | 3.15 | |
| Total BTEX | <0.275 | 0.275 | 11/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 5 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg, | ′kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 11/04/2024 | ND | 448 | 112 | 400 | 0.00 | |
| TPH TX1005 | mg, | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 11/01/2024 | ND | 181 | 90.3 | 200 | 8.41 | |
| DRO >C12-C28 | <25.0 | 25.0 | 11/01/2024 | ND | 199 | 99.7 | 200 | 9.01 | |
| DRO >C28-C35 | <25.0 | 25.0 | 11/01/2024 | ND | | | | | |
| Total TPH C6-C35* | <25.0 | 25.0 | 11/01/2024 | ND | 586 | 147 | 400 | 43.1 | |
| Surrogate: 1-Chlorooctane | 77.4 | % 48.6-15 | 3 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 73.3 | % 41.9-17 | 0 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

| Received: | 10/31/2024 | Sampling Date: | 10/29/2024 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 11/06/2024 | Sampling Type: | Soil |
| Project Name: | CICADA UNIT 022H RELEASE #3 | Sampling Condition: | Cool & Intact |
| Project Number: | 212C-MD-03521 | Sample Received By: | Tamara Oldaker |
| Project Location: | CHEVRON - EDDY COUNTY, TX | | |

Sample ID: H - 4.3 (0-1') (H246631-27)

| BTEX 8021B | mg/ | kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 11/03/2024 | ND | 2.02 | 101 | 2.00 | 1.12 | |
| Toluene* | <0.050 | 0.050 | 11/03/2024 | ND | 1.96 | 98.2 | 2.00 | 2.56 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/03/2024 | ND | 1.98 | 98.9 | 2.00 | 3.07 | |
| Total Xylenes* | <0.150 | 0.150 | 11/03/2024 | ND | 5.87 | 97.8 | 6.00 | 3.15 | |
| Total BTEX | <0.275 | 0.275 | 11/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 \$ | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg, | 'kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 11/04/2024 | ND | 448 | 112 | 400 | 0.00 | |
| TPH TX1005 | mg, | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 11/01/2024 | ND | 181 | 90.3 | 200 | 8.41 | |
| DRO >C12-C28 | <25.0 | 25.0 | 11/01/2024 | ND | 199 | 99.7 | 200 | 9.01 | |
| DRO >C28-C35 | <25.0 | 25.0 | 11/01/2024 | ND | | | | | |
| Total TPH C6-C35* | <25.0 | 25.0 | 11/01/2024 | ND | 586 | 147 | 400 | 43.1 | |
| Surrogate: 1-Chlorooctane | 82.0 | % 48.6-15 | 3 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 79.3 | % 41.9-17 | 0 | | | | | | |

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

| Received: | 10/31/2024 | Sampling Date: | 10/29/2024 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 11/06/2024 | Sampling Type: | Soil |
| Project Name: | CICADA UNIT 022H RELEASE #3 | Sampling Condition: | Cool & Intact |
| Project Number: | 212C-MD-03521 | Sample Received By: | Tamara Oldaker |
| Project Location: | CHEVRON - EDDY COUNTY, TX | | |

Sample ID: H - 7.3 (0-1') (H246631-28)

| BTEX 8021B | mg/ | ′kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 11/03/2024 | ND | 2.02 | 101 | 2.00 | 1.12 | |
| Toluene* | <0.050 | 0.050 | 11/03/2024 | ND | 1.96 | 98.2 | 2.00 | 2.56 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/03/2024 | ND | 1.98 | 98.9 | 2.00 | 3.07 | |
| Total Xylenes* | <0.150 | 0.150 | 11/03/2024 | ND | 5.87 | 97.8 | 6.00 | 3.15 | |
| Total BTEX | <0.275 | 0.275 | 11/03/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98.8 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | ′kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 11/04/2024 | ND | 448 | 112 | 400 | 0.00 | |
| TPH TX1005 | mg/ | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 11/01/2024 | ND | 181 | 90.3 | 200 | 8.41 | |
| DRO >C12-C28 | <25.0 | 25.0 | 11/01/2024 | ND | 199 | 99.7 | 200 | 9.01 | |
| DRO >C28-C35 | <25.0 | 25.0 | 11/01/2024 | ND | | | | | |
| Total TPH C6-C35* | <25.0 | 25.0 | 11/01/2024 | ND | 586 | 147 | 400 | 43.1 | |
| Surrogate: 1-Chlorooctane | 74.0 | % 48.6-15 | 3 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 69.5 | % 41.9-17 | 0 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

| S-06 | The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's. |
|--------|---|
| S-04 | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. |
| QR-03 | The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values. |
| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. |
| GC-NC1 | 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds. |
| BS-3 | Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected. |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C |
| | Samples reported on an as received basis (wet) unless otherwise noted on report |

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

Received by OCD: 12/16/2024 8:13:30 PM

| TŁ | Tetra Tech, Inc | | | | Midlar Tel (4 | /all Stree nd,Texas 432) 682 432) 682 | 79701 4559 | 0 | | | | | | | | | | | | | age | - | | <u>1</u> of | _ |
|---|---|------------------------------|-------|---------------|------------------|--|----------------------|--------|------------|----------------|------------|-----------------------------|-----------|---|----------------|---------------------|------------|-------------------------|---------------|-----------------------|-------------------------|------------------------------|----------------------|-----------------|----------|
| lient Name: | Chevron | Site Manager: | | John F | Fau | ght | | | | | Г | | | | A | NAL | YSI | S RE | QU | EST | r | | | | |
| roject Name: | Cicada Unit 022H Release #3 | | | | | | | | | | 1. | ı | (0 | ircl | le c | or S | peo I | ify | Me | tho | d N | lo. | | 1 | |
| roject Location: ounty, state) | Eddy County, TX | Project #: | | 212 | 2C-I | MD-0 | 3521 | | | | 1 | | | | | | | | | | | | | | |
| voice to: | john.faught1@tetratech.com; OGA.ECS.AccountsPayable@tetratech | .com | | | | | Re | eq # T | BD | | 1 | (O) | | | 2 | | | | | | | attached list) | | | |
| eceiving Laboratory: | Cardinal Laboratories | Sampler Signa | ture: | | | | | 9 " 1 | 00 | | 1 | - ORO - MRO) | | b Se H | | | | | | | | attach | | | |
| Email: joh | n.faught1@tetratech.com; clair.gonzales@tet | | | | _ | | | | _ | _ | BTEX 8260B | C35) DRO | | Ba Cd Cr P Ba Cd Cr F | | | / 624 | 8270C/625 | | | 4500 | mistry (see | ce | | |
| Hldz | n in second second in the second s | SAMPL | LING | MATR | IX | | | | ERS | (N/A | | GRO - | | Ag As I Ag As | Se | /olatiles | 8260B | . Vol. | 608 | (so | or SM | er Che | Balan | | |
| LAB # | SAMPLE IDENTIFICATION | YEAR: UL Q | TIME | WATER SOIL | | HCL HNO ₃ | ICE | | CONTAINERS | FILTERED (Y/N) | | TPH TX1005 (TPH 8015M (| PAH 8270C | Total Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Volatiles | TCLP Semi Volatiles | C/MS Vol. | GC/MS Semi. Vol. 8270C/ | PCB's 8082 | PLM (Asbestos) | Chloride 300 or SM 4500 | General Water Chemistry (see | Anion/Cation Balance | | |
| / TT-5 (0-0. | 5') | 10/29/2024 | - | S O | + | 프프 | Ϋ́ | + | * | Ē | ™ X | X | à | | F | TCL | έŭ | Ö | ă ž | + + | 5 X | 50 | Ā | ┼┤ | \vdash |
| TT-5 (1') | | 10/29/2024 | | X | 1 | | \square | \top | 1 | | x | X | Ħ | + | Ħ | H | + | H | + | + + | X | + | ++ | + | -+ |
| 3 TT-5 (2') | | 10/29/2024 | | X | | | | | 1 | | x | x | Ħ | + | Ħ | + | + | H | + | + + | x | $^{+}$ | Ħ | + | |
| 4 TT-5 (3') | | 10/29/2024 | | X | | | | | 1 | | x | x | Ħ | + | П | | + | H | + | + + | x | $^{+}$ | \vdash | + | + |
| S TT-5 (4') | | 10/29/2024 | | X | | | | | 1 | | x | X | Ħ | \top | П | | \uparrow | H | + | + + | x | $^{+}$ | $^{++}$ | + | + |
| TT-6 (0-0.5 | 5') | 10/29/2024 | | X | | | | | 1 | | x | X | Ħ | | Π | | \top | H | + | + + | x | $^{+}$ | Ħ | \square | + |
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| Dice to: john faught1@tetratech.com; OGA.ECS AccountisPayable@tetratech.com Reg # TBD cardinal Laboratory: Bampler Signature: 000000000000000000000000000000000000 | | | | | | | | | | | | | | | | | | | | | | ┥ | _ | | | | | | 21 | 252 | 03 | | M | C | 12 | 2 | | | | | | - | _ | t: | #: | #: | #: | :#: | :t #: | ect #: | roject # | Project | Proj | Pre | P | + | - | | | | _ | | _ | | _ | | - | - | + | + | † | t | P | Pr | Pro | roje | jec | ct # | #: | : | _ | - | 1 | - | _ | - | _ | _ | _ | _ | _ | | | | | | | 2 | 12 | 20 | ~ | M | | 0 | 3 | 5 | 2 | 21 | 21 | 1 | 1 | | | - | - | _ | _ | | | | ł | | | |
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| 19 TT-7 (7-7.5') 10/29/2024 X 1 X X X 10 TT-8 (0-0.5') 10/29/2024 X 1 X X X X 10/29/2024 X 1 X X 1 X X X 10/29/2024 X 1 X X 1 X X 10/29/2024 X 1 X X 1 | H | + | + | + | - | - | + | + | + | + | + | + | \vdash | Η | + | + | + | + | - | | + | + | | + | 1 | t | - | + | + | + | $^{+}$ | + | | + | t | | -+ | t | | | t | 4 | 24 | 24 | 024 | 024 | 024 | 2024 | 2024 | 9/202 |)/29/20 | 10/29/2 | 10/29 | 10/ | 1(| F | T | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | t | t | t | Г | F | 1 | 1 | 10 | 10 | 0/: | /29 | 29/: | /20 | 024 | 24 | 4 | Γ | | | _ | - | | _ | _ | _ | | t | t | | - | + | - | - | t | - | t | - | t | | t | | t | t | t | | + | t | - | t | - | - | | - | - | t | - | + | | +- |
| ZO TT-8 (0-0.5') 10/29/2024 X 1 X X Date: Time: Received by Date: Time: LAB USE REMARKS: Hold samples pending result MAM [0/31/24 [415 Multitud ultitud ultitud Date: Time: LAB USE ONLY Inquished by: Date: Time: Received by: Date: Time: Sample Temperature | H | + | + | + | - | - | + | + | + | + | ╋ | + | \vdash | | + | + | + | +- | - | | + | - | | t | 1 | t | | $^{+}$ | t | 1 | $^{+}$ | + | | + | t | \rightarrow | -+ | t | | | | 4 | 24 | 24 | 024 | 024 | 024 | 2024 | 2024 | 9/202 |)/29/20 | 10/29/2 | 10/29 | 10/ | 10 | 1 | T | T | ٦ | 1 | 1 | 1 | T | T | T | T | T | T | Г | 1 | 1 | 1 | 10 | 10 | 0/: | /29 | 9/: | /20 | 024 | 24 | 4 | Γ | | _ | _ | _ | _ | _ | _ | _ | 7 | t | t | | - | + | - | - | t | - | t | | t | | t | | t | t | F | | 1 | t | | t | - | | | - | - | t | - | + | | + |
| Date: Time: Received by Date: Time: LAB USE Remarks: Hold samples pending result Induished by: Date: Time: Date: Time: LAB USE Standard Interval. Run success Induished by: Date: Time: Received by: Date: Time: Sample Temperature Remarks: Hold samples pending result | H | + | + | + | - | - | + | + | + | + | ╋ | + | \vdash | - | + | + | + | - | - | - | + | - | - | t | 1 | t | - | $^{+}$ | + | 1 | t | t | | + | t | | _ | t | | | | 4 | 4 | 24 | 024 | 024 | 024 | 2024 | 2024 | 9/202 |)/29/20 | 0/29/2 | 10/29 | 10/ | 10 | 1 | T | T | T | 1 | 1 | 1 | 1 | T | T | T | t | T | Γ | 1 | 1 | 1 | 10 | 10 | 0/: | /29 | 9/2 | /20 | 024 | 24 | 1 | Г | | _ | _ | - | - | _ | | | 1 | t | F | | _ | _ | _ | _ | t | - | t | | t | | t | | t | t | F | - | + | t | | t | - | | | - | - | ۰ | - | + | - | - |
| Sample Temperature Sample Temperature | vely | cessiv | succ | Runs | per al. R | ples terva | int | X | ar | d | u | ta | Si | REI | F | | | U | AB | U | - | | | | | _ | | , | P | Y | b | A | 2 | Û | U | | l | 4 | th | MAR | U | U | a | a | U | U | U | U | U | 1 | A | 1 | | | | | 0 | 0 | | | | | | | 0 | | | | | | | | | | _ | | 1 | 1 | U | a | 2 | U | 1 | h | 14 | l | Ű | Z | U | E | 1 | 4 | 4 | A | 2 | 1 | 1 | l | | a | l | 2 | 1 | | 1 | e | V | | 0 | 2 | 2 | | | _ | | | | | | Í | | - | 4 | A |
| Induisned by: Date: Time: Received by: Date: Time: Date: Time: | 2 hr | ır 72 | 8 h | | | | | | | | | | 1.1.1 | L | | | | | | | | | | - | 15 | 1.11 | 1 | | me: | nim Nu | 2 | 1- | | 2 | ~ | D. | ľ | | | | | y. | 4. | Jy. | by. | . by | u by | u by | | Fou D | , and | 0001101 | COON | | | | ſ | ľ | | | | | | ľ | ľ | ľ | ſ | Ĩ | | | | | | | | | 110 | Ju |) | Jy. | | 2 | | | | | | | | | | | | 1 | 1 | 1 | 7 | 5. | 1 | - | 2 | | Ĩ | 1 | | U | J | l | ne: | e: | 2. | | | 1 | 11 | < | 5 | | | | | | | |
| + r40 Special Report Limits or TRRP Report | | eport | Re | | | | | | | | | _ | | | 2 | e | 60 | 0. | | F. | 2 | 2 | | , | | | 14 | | me: | Tim | T | : | ate: | Da | | V | + | | | | | y: | y: | by: | by: | by | d by | d by | ed by | ved b | eived | eceived | eceiv | lece | Rec | Re | R | F | | F | F | F | F | F | F | R | R | R | Re | Re | Re | Re | lec | ec | ce | eiv | ive | ed I | by | by: | <i>r</i> : | | | | | | | | | | | | | | + | + | C | | | C | Da | ate | | 0 | T | Fin | me | ne | ne: | e: | | | | 0 | 11 | | | | | k | | 2 | E | |

Released to Imaging: 1/9/2025 8:46:18 AM

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Received by OCD: 12/16/2024 8:13:30 PM

| TŁ | Tetra Tech, Inc. | | | | Mid | land, Te I (432) | Street, S exas 79 682-45 682-39 | 701 59 | | | | | | | | | | | | | Pa | | | | 3_of | _ |
|--------------------------------|--|--------------|--------|----------|-------|---------------------|--|-----------|--------------|-----------------|----------|----------------|-----------------------------------|----------------|-----------|---------------------------------------|-----|---------|---|-----------|---|---------------|---|---------|----------------|------|
| ent Name: | Chevron | Site Manager | : | Jo | hn Fa | ught | t | | | | Т | | | | | | | | | | EST | | | | | |
| ject Name: | Cicada Unit 022H Release #3 | | | | | | | | | | \neg | 1 | | (Ci | rcle | or | Sp | eci | ify I | Met | tho | d N | lo.) | | | r - |
| ject Location: unty, state) | Eddy County, TX | Project #: | | | 212C | -MD | -035 | 21 | | | - | | | | | | | | | | | | | | | |
| ice to: | john.faught1@tetratech.com; OGA.ECS.AccountsPayable@tetratech.c | 0m | - | | | | | | | | \neg | | ô | | | | | | | | | | ed list) | | | |
| eiving Laborat | ory: Cardinal Laboratories | Sampler Sign | ature: | | | | | Req # | TBD | | | | ORO - MRO) | Se Ha | b Se Hg | | | | | | | | attache | | | |
| iments: | mail: john.faught1@tetratech.com; clair.gonzales@tetra | tech com | | | | | | | | | 8260B | C35) | TPH 8015M (GRO - DRO - ORO - MRO) | Cd Cr Pb | Cd Cr PI | | | 24 | 8270C/625 | | | DSG | General Water Chemistry (see attached list) | | | |
| Hleb31 | | SAMP | LING | M | ATRIX | 1 | | RVATIVE | v | 0 = | BTEX | ixt to C | RO - L | As Ba | As Ba | tiles | | 30B / 6 | ol. 827 08 | | PAA AEO | ate 7 | Chemis | alance | | |
| LAB # | SAMPLE IDENTIFICATION | YEAR: | a Cola | | | | | T | AINER | | 80218 | TX1005 (Ext to | 15M (G | tals Ag | etals Ag | mi Vola | | ol. 826 | emi. Vo 382 / 60 | | bestos) | Sulfa | Nater (| tion Be | | |
| AB USE) | | DATE | TIME | WATER | SOIL | HCL | HNO | | # CONTAINEDS | | BTEX 8 | TPH TX | PH 801 | otal Mer | CLP Me | TCLP Volatiles TCLP Semi Volatiles | ō | C/MS V | GC/MS Semi. Vol. 8270C/ PCB's 8082 / 608 | NORM | PLM (Asbestos) Chloride 300 or SM 4500 | loride | eneral | lion/Ca | | |
| | T-8 (1') | 10/29/2024 | | | x | ÷ | 1 2 | | - | <u>⊧ u</u> 1 | - m X | F | F a | ĨĔ | Fi | | RCI | Ō | 5 6 | ž | a c | | ŏ | Ā | \mathbb{H} | - |
| | T-8 (2') | 10/29/2024 | | | x | \square | | ++ | \top | 1 | x | + + | x | + | \square | + | H | + | + | H | T x | Ì | Н | | H | _ |
| 1000 | T-8 (3') | 10/29/2024 | | | x | \square | | \square | \top | 1 | x | П | x | $^{+}$ | H | + | H | + | + | Н | X | - | Н | | ++ | _ |
| | T-8 (4') | 10/29/2024 | | | x | Π | | \square | | 1 | x | Н | x | \uparrow | H | + | Ħ | + | + | H | X | - | Η | | ++ | - |
| 1000 | -2.3 (0-1') | 10/29/2024 | | | x | | | ++ | | 1 | X | | x | \uparrow | H | + | Ħ | + | + | \square | X | + | Η | + | ++ | _ |
| BGH | -3.3 (0-1') | 10/29/2024 | | | < | Π | | \square | \top | 1 | x | + + | x | \uparrow | \vdash | + | Ħ | + | + | H | X | - | Η | + | ++ | - |
| | -4.3 (0-1') | 10/29/2024 | | | < | Π | | ++ | | 1 | X | + + | x | | H | + | H | + | + | + | X | + | H | + | ++ | - |
| 28 H | -7.3 (0-1') | 10/29/2024 | | Þ | < | | | | | 1 | х | Π | x | | | | Ħ | | | H | X | + | H | | \mathbb{H} | - |
| | | | | \vdash | + | \vdash | + | ++ | + | + | + | \square | + | \square | | - | | | | | - | | | | | |
| quished by: | Date: Time: 10/3/24 1419 | 10000 | uara . | | Ma |)ate: | | ime: | _ | - | | | | | | EMA Sto | | | Hole | sam in | nples p nterval | pend I. Ru | ling r n su | results | of pre vely | evio |
| uished by: uished by: | Date? Time: | Received by: | | | D | ate: | 0 | me: ƏU | 14 | 115 | Sar | mple 30 | Tempe 18 | arature 303 | - | | | | | | ay 24 | | 48 | hr 7 | 2 hr | |
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November 08, 2024

John Faught

TETRA TECH

901 WEST WALL STREET, STE 100

MIDLAND, TX 79701

RE: CICADA UNIT 022H RELEASE #3

Enclosed are the results of analyses for samples received by the laboratory on 11/06/24 12:03.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceg.texas.gov/field/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

| Method SM 9223-B | Total Coliform and E. coli (Colilert MMO-MUG) |
|------------------|---|
| Method EPA 524.2 | Regulated VOCs and Total Trihalomethanes (TTHM) |
| Method EPA 552.2 | Total Haloacetic Acids (HAA-5) |

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



06-Nov-24 12:03

05-Nov-24 00:00

Analytical Results For:

| TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 | | Project Number: roject Manager: | CICADA UNIT 022H RELEASE #3 212C-MD-03521 JOHN FAUGHT (432) 682-3946 | Reported: 08-Nov-24 11:33 |
|---|---------------|------------------------------------|---|------------------------------|
| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
| AH - 1 (9'-9.5') | H246756-01 | Soil | 05-Nov-24 00:00 | 06-Nov-24 12:03 |
| AH - 1 (9.5'-10') | H246756-02 | Soil | 05-Nov-24 00:00 | 06-Nov-24 12:03 |

11/08/24 - Client added analysis to sample -03 (see COC). This is the revised report and will replace the one sent on 11/07/24.

Soil

H246756-03

Cardinal Laboratories

AH - 1 (10'-10.5')

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



| TETRA TECH 901 WEST WALL STREET , MIDLAND TX, 79701 | Project Num Project Mana | ber: 212 ger: JOF | | Reported: 08-Nov-24 11:33 | | | | | | |
|---|-----------------------------|----------------------|--------------------|------------------------------|----------|---------|---------|------------|-----------|-------|
| | | | | 1 (9'-9.: 756-01 (80 | <i>,</i> | | | | | |
| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
| | | | Cardina | l Laborat | ories | | | | | |
| Inorganic Compounds Chloride | 1120 | | 16.0 | mg/kg | 4 | 4110634 | AC | 07-Nov-24 | 4500-Cl-B | |
| | | | 10.0 | iiig/kg | 7 | 4110054 | ne | 07-1107-24 | 4500-61-1 | |
| Volatile Organic Compounds | | 8021 | | | | | | | | |
| Benzene* | < 0.050 | | 0.050 | mg/kg | 50 | 4110627 | ЛН | 06-Nov-24 | 8021B | |
| Toluene* | < 0.050 | | 0.050 | mg/kg | 50 | 4110627 | ЈН | 06-Nov-24 | 8021B | |
| Ethylbenzene* | < 0.050 | | 0.050 | mg/kg | 50 | 4110627 | ЛН | 06-Nov-24 | 8021B | |
| Total Xylenes* | < 0.150 | | 0.150 | mg/kg | 50 | 4110627 | ЛН | 06-Nov-24 | 8021B | |
| Total BTEX | < 0.300 | | 0.300 | mg/kg | 50 | 4110627 | JH | 06-Nov-24 | 8021B | |
| Surrogate: 4-Bromofluorobenzene (PIL |)) | | 106 % | 71.5 | -134 | 4110627 | ЛН | 06-Nov-24 | 8021B | |
| Petroleum Hydrocarbons by | GC FID | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 4110539 | MS | 06-Nov-24 | 8015B | |
| DRO >C10-C28* | 375 | | 10.0 | mg/kg | 1 | 4110539 | MS | 06-Nov-24 | 8015B | |
| EXT DRO >C28-C36 | 66.7 | | 10.0 | mg/kg | 1 | 4110539 | MS | 06-Nov-24 | 8015B | |
| Surrogate: 1-Chlorooctane | | | 114 % | 48.2 | -134 | 4110539 | MS | 06-Nov-24 | 8015B | |
| Surrogate: 1-Chlorooctadecane | | | 117 % | 49.1 | -148 | 4110539 | MS | 06-Nov-24 | 8015B | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



| TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701 | , STE 100 | | Project Num Project Mana | ber: 212 ger: JOH | | 1 | ASE #3 | O | Reported: 8-Nov-24 11: | 33 |
|---|-----------------|------|-----------------------------|-------------------------|----------|---------|---------|-----------|---------------------------|-------|
| | | | | 1 (9.5'-1 756-02 (Se | , | | | | | |
| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
| | | | Cardina | l Laborat | tories | | | | | |
| <u>Inorganic Compounds</u> Chloride | 848 | | 16.0 | mg/kg | 4 | 4110634 | AC | 07-Nov-24 | 4500-Cl-B | |
| Volatile Organic Compounds | s by EPA Method | 8021 | | | | | | | | |
| Benzene* | < 0.050 | | 0.050 | mg/kg | 50 | 4110627 | JH | 06-Nov-24 | 8021B | |
| Toluene* | < 0.050 | | 0.050 | mg/kg | 50 | 4110627 | JH | 06-Nov-24 | 8021B | |
| Ethylbenzene* | < 0.050 | | 0.050 | mg/kg | 50 | 4110627 | JH | 06-Nov-24 | 8021B | |
| Total Xylenes* | < 0.150 | | 0.150 | mg/kg | 50 | 4110627 | JH | 06-Nov-24 | 8021B | |
| Total BTEX | < 0.300 | | 0.300 | mg/kg | 50 | 4110627 | ЛН | 06-Nov-24 | 8021B | |
| Surrogate: 4-Bromofluorobenzene (PI | D) | | 108 % | 71.5 | -134 | 4110627 | JH | 06-Nov-24 | 8021B | |
| Petroleum Hydrocarbons by | GC FID | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 4110539 | MS | 06-Nov-24 | 8015B | |
| DRO >C10-C28* | 512 | | 10.0 | mg/kg | 1 | 4110539 | MS | 06-Nov-24 | 8015B | |
| EXT DRO >C28-C36 | 89.2 | | 10.0 | mg/kg | 1 | 4110539 | MS | 06-Nov-24 | 8015B | |
| Surrogate: 1-Chlorooctane | | | 107 % | 48.2 | -134 | 4110539 | MS | 06-Nov-24 | 8015B | |
| Surrogate: 1-Chlorooctadecane | | | 104 % | 49.1 | -148 | 4110539 | MS | 06-Nov-24 | 8015B | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



| AH - 1 (10'-10.5') H246756-03 (Soil) Analyte Result MDL Reporting Limit Units Dilution Batch Analyst Analyst Analyte Cardinal Laboratories Inorganic Compounds Chloride 832 16.0 mg/kg 4 4110819 CT 08-Nov-2 Compounds by EPA Method 8021 Benzene* <0.050 | Reported: 08-Nov-24 11:33 | | | |
|---|------------------------------|--------|--|--|
| Analyte Result MDL Reporting Limit Units Dilution Batch Analyst Analyze Cardinal Laboratories Inorganic Compounds Chloride 832 16.0 mg/kg 4 4110819 CT 08-Nov-2 Volatile Organic Compounds by EPA Method 8021 Benzene* <0.050 | | | | |
| Analyte Result MDL Limit Units Dilution Batch Analyst Analyze Cardinal Laboratories Inorganic Compounds S32 16.0 mg/kg 4 4110819 CT 08-Nov-2 Volatile Organic Compounds by EPA Method 8021 Enzene* <0.050 | | | | |
| Inorganic Compounds Chloride 832 16.0 mg/kg 4 4110819 CT 08-Nov-2 Volatile Organic Compounds by EPA Method 8021 Benzene* <0.050 | Method | Notes | | |
| Chloride 832 16.0 mg/kg 4 4110819 CT 08-Nov-2 Volatile Organic Compounds by EPA Method 8021 Benzene* <0.050 | | | | |
| Volatile Organic Compounds by EPA Method 8021 Benzene* <0.050 | | | | |
| Benzene* <0.050 | 4500-СІ-В | | | |
| Benzene* <0.050 0.050 mg/kg 50 4110718 JH 07-Nov-2 Toluene* <0.050 | | | | |
| Ethylbenzene* <0.050 | 8021B | | | |
| Total Xylenes* 0.282 0.150 mg/kg 50 4110718 JH 07-Nov-2 Total BTEX <0.300 | 8021B | | | |
| Total BTEX <0.300 mg/kg 50 4110718 JH 07-Nov-2 Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134 4110718 JH 07-Nov-2 Petroleum Hydrocarbons by GC FID GRO C6-C10* <10.0 mg/kg 1 4110717 MS 07-Nov-2 | 8021B | | | |
| Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134 4110718 JH 07-Nov-2 Petroleum Hydrocarbons by GC FID GRO C6-C10* MS 07-Nov-2 | 8021B | GC-NC1 | | |
| Petroleum Hydrocarbons by GC FID GRO C6-C10* <10.0 | 8021B | | | |
| GRO C6-C10* <10.0 10.0 mg/kg 1 4110717 MS 07-Nov-2 | 8021B | | | |
| | | | | |
| DRO >C10-C28* 476 10.0 mg/kg 1 4110717 MS 07-Nov-2 | 8015B | | | |
| | 8015B | | | |
| EXT DRO >C28-C36 83.0 10.0 mg/kg 1 4110717 MS 07-Nov-2 | 8015B | | | |
| Surrogate: 1-Chlorooctane 107 % 48.2-134 4110717 MS 07-Nov-2 | 8015B | | | |
| Surrogate: 1-Chlorooctadecane 114 % 49.1-148 4110717 MS 07-Nov-2 | 8015B | | | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



| TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 | Project: CICADA UNIT 022H RELE Project Number: 212C-MD-03521 Project Manager: JOHN FAUGHT Fax To: (432) 682-3946 | EASE #3 Reported: 08-Nov-24 11:33 | |
|---|---|--------------------------------------|--|
|---|---|--------------------------------------|--|

Inorganic Compounds - Quality Control

| | | Cardir | nal Lab | oratories | | | | | | |
|------------------------------|--------|-----------|---------|------------|-----------|-----------|--------|------|-------|-------|
| | | Reporting | | Spike | Source | | %REC | | RPD | |
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 4110634 - 1:4 DI Water | | | | | | | | | | |
| Blank (4110634-BLK1) | | | | Prepared & | Analyzed: | 06-Nov-24 | | | | |
| Chloride | ND | 16.0 | mg/kg | | | | | | | |
| LCS (4110634-BS1) | | | | Prepared & | Analyzed: | 06-Nov-24 | | | | |
| Chloride | 416 | 16.0 | mg/kg | 400 | | 104 | 80-120 | | | |
| LCS Dup (4110634-BSD1) | | | | Prepared & | Analyzed: | 06-Nov-24 | | | | |
| Chloride | 432 | 16.0 | mg/kg | 400 | | 108 | 80-120 | 3.77 | 20 | |
| Batch 4110819 - 1:4 DI Water | | | | | | | | | | |
| Blank (4110819-BLK1) | | | | Prepared & | Analyzed: | 08-Nov-24 | | | | |
| Chloride | ND | 16.0 | mg/kg | | | | | | | |
| LCS (4110819-BS1) | | | | Prepared & | Analyzed: | 08-Nov-24 | | | | |
| Chloride | 416 | 16.0 | mg/kg | 400 | | 104 | 80-120 | | | |
| LCS Dup (4110819-BSD1) | | | | Prepared & | Analyzed: | 08-Nov-24 | | | | |
| Chloride | 416 | 16.0 | mg/kg | 400 | | 104 | 80-120 | 0.00 | 20 | |

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



| JOI WEST WALL STREET, STE 100 | Project: CICADA UNIT 022H Project Number: 212C-MD-03521 Project Manager: JOHN FAUGHT Fax To: (432) 682-3946 | RELEASE #3 Reported: 08-Nov-24 11:33 | |
|-------------------------------|--|---|--|
|-------------------------------|--|---|--|

Volatile Organic Compounds by EPA Method 8021 - Quality Control

| Cardinal | Laboratories |
|----------|--------------|
| | |

| | | Reporting | | Spike | Source | 0/PTC | %REC | | RPD | |
|---------------------------------------|--------|-----------|---------|------------|-----------|-----------|----------|-------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 4110627 - Volatiles | | | | | | | | | | |
| Blank (4110627-BLK1) | | | | Prepared & | Analyzed: | 06-Nov-24 | ŀ | | | |
| Benzene | ND | 0.050 | mg/kg | | | | | | | |
| Toluene | ND | 0.050 | mg/kg | | | | | | | |
| Ethylbenzene | ND | 0.050 | mg/kg | | | | | | | |
| Total Xylenes | ND | 0.150 | mg/kg | | | | | | | |
| Total BTEX | ND | 0.300 | mg/kg | | | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0521 | | mg/kg | 0.0500 | | 104 | 71.5-134 | | | |
| LCS (4110627-BS1) | | | | Prepared & | Analyzed: | 06-Nov-24 | ł | | | |
| Benzene | 2.07 | 0.050 | mg/kg | 2.00 | | 103 | 82.8-130 | | | |
| Toluene | 2.11 | 0.050 | mg/kg | 2.00 | | 105 | 86-128 | | | |
| Ethylbenzene | 2.11 | 0.050 | mg/kg | 2.00 | | 106 | 85.9-128 | | | |
| m,p-Xylene | 4.22 | 0.100 | mg/kg | 4.00 | | 106 | 89-129 | | | |
| o-Xylene | 2.04 | 0.050 | mg/kg | 2.00 | | 102 | 86.1-125 | | | |
| Total Xylenes | 6.26 | 0.150 | mg/kg | 6.00 | | 104 | 88.2-128 | | | |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0521 | | mg/kg | 0.0500 | | 104 | 71.5-134 | | | |
| LCS Dup (4110627-BSD1) | | | | Prepared & | Analyzed: | 06-Nov-24 | ł | | | |
| Benzene | 2.09 | 0.050 | mg/kg | 2.00 | | 105 | 82.8-130 | 1.13 | 15.8 | |
| Toluene | 2.13 | 0.050 | mg/kg | 2.00 | | 107 | 86-128 | 1.30 | 15.9 | |
| Ethylbenzene | 2.13 | 0.050 | mg/kg | 2.00 | | 106 | 85.9-128 | 0.716 | 16 | |
| m,p-Xylene | 4.26 | 0.100 | mg/kg | 4.00 | | 106 | 89-129 | 0.797 | 16.2 | |
| o-Xylene | 2.05 | 0.050 | mg/kg | 2.00 | | 103 | 86.1-125 | 0.750 | 16.7 | |
| Total Xylenes | 6.31 | 0.150 | mg/kg | 6.00 | | 105 | 88.2-128 | 0.782 | 16.3 | |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0510 | | mg/kg | 0.0500 | | 102 | 71.5-134 | | | |

Batch 4110718 - Volatiles

| Blank (4110718-BLK1) | | | Prepared & Analyzed: 07-Nov-24 |
|----------------------|----|-------|--------------------------------|
| Benzene | ND | 0.050 | mg/kg |
| Toluene | ND | 0.050 | mg/kg |
| Ethylbenzene | ND | 0.050 | mg/kg |
| Total Xylenes | ND | 0.150 | mg/kg |
| | | | |

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



| JOI WEST WALL STREET, STE 100 | Project: CICADA UNIT 022H Project Number: 212C-MD-03521 Project Manager: JOHN FAUGHT Fax To: (432) 682-3946 | RELEASE #3 Reported: 08-Nov-24 11:33 | |
|-------------------------------|--|---|--|
|-------------------------------|--|---|--|

Volatile Organic Compounds by EPA Method 8021 - Quality Control

| Cardinal | Labor | atories |
|----------|-------|---------|
| | | |

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------------|--------|-----------|-------|------------|-----------|-----------|----------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 4110718 - Volatiles | | | | | | | | | | |
| Blank (4110718-BLK1) | | | | Prepared & | Analyzed: | 07-Nov-24 | 4 | | | |
| Total BTEX | ND | 0.300 | mg/kg | | | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID) | ND | | mg/kg | 0.0500 | | 96.2 | 71.5-134 | | | |
| LCS (4110718-BS1) | | | | Prepared & | Analyzed: | 07-Nov-24 | 4 | | | |
| Benzene | 2.04 | 0.050 | mg/kg | 2.00 | | 102 | 82.8-130 | | | |
| Toluene | 2.01 | 0.050 | mg/kg | 2.00 | | 100 | 86-128 | | | |
| Ethylbenzene | 2.04 | 0.050 | mg/kg | 2.00 | | 102 | 85.9-128 | | | |
| m,p-Xylene | 4.08 | 0.100 | mg/kg | 4.00 | | 102 | 89-129 | | | |
| o-Xylene | 1.99 | 0.050 | mg/kg | 2.00 | | 99.7 | 86.1-125 | | | |
| Total Xylenes | 6.07 | 0.150 | mg/kg | 6.00 | | 101 | 88.2-128 | | | |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0481 | | mg/kg | 0.0500 | | 96.1 | 71.5-134 | | | |
| LCS Dup (4110718-BSD1) | | | | Prepared & | Analyzed: | 07-Nov-24 | 4 | | | |
| Benzene | 2.22 | 0.050 | mg/kg | 2.00 | | 111 | 82.8-130 | 8.56 | 15.8 | |
| Toluene | 2.15 | 0.050 | mg/kg | 2.00 | | 108 | 86-128 | 6.98 | 15.9 | |
| Ethylbenzene | 2.16 | 0.050 | mg/kg | 2.00 | | 108 | 85.9-128 | 5.67 | 16 | |
| m,p-Xylene | 4.31 | 0.100 | mg/kg | 4.00 | | 108 | 89-129 | 5.62 | 16.2 | |
| p-Xylene | 2.10 | 0.050 | mg/kg | 2.00 | | 105 | 86.1-125 | 4.93 | 16.7 | |
| Total Xylenes | 6.41 | 0.150 | mg/kg | 6.00 | | 107 | 88.2-128 | 5.39 | 16.3 | |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0482 | | mg/kg | 0.0500 | | 96.5 | 71.5-134 | | | |

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



| TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 | Project Number: Project Manager: | CICADA UNIT 022H RELEASE #3 212C-MD-03521 JOHN FAUGHT (432) 682-3946 | Reported: 08-Nov-24 11:33 | |
|---|-------------------------------------|---|------------------------------|--|
|---|-------------------------------------|---|------------------------------|--|

Petroleum Hydrocarbons by GC FID - Quality Control

| Cardinal | Laboratories |
|----------|--------------|
|----------|--------------|

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|--------|--------------------|-------|----------------|------------------|-------------|----------------|---------|--------------|-------|
| Batch 4110539 - General Prep - Organics | | | | | | | | | | |
| Blank (4110539-BLK1) | | | | Prepared: (|)5-Nov-24 / | Analyzed: (|)6-Nov-24 | | | |
| GRO C6-C10 | ND | 10.0 | mg/kg | | | | | | | |
| DRO >C10-C28 | ND | 10.0 | mg/kg | | | | | | | |
| EXT DRO >C28-C36 | ND | 10.0 | mg/kg | | | | | | | |
| Surrogate: 1-Chlorooctane | 56.4 | | mg/kg | 50.0 | | 113 | 48.2-134 | | | |
| Surrogate: 1-Chlorooctadecane | 48.8 | | mg/kg | 50.0 | | 97.6 | 49.1-148 | | | |
| LCS (4110539-BS1) | | | | Prepared: (|)5-Nov-24 / | Analyzed: (|)6-Nov-24 | | | |
| GRO C6-C10 | 200 | 10.0 | mg/kg | 200 | | 99.8 | 81.5-123 | | | |
| DRO >C10-C28 | 195 | 10.0 | mg/kg | 200 | | 97.6 | 77.7-122 | | | |
| Total TPH C6-C28 | 395 | 10.0 | mg/kg | 400 | | 98.7 | 80.9-121 | | | |
| Surrogate: 1-Chlorooctane | 66.3 | | mg/kg | 50.0 | | 133 | 48.2-134 | | | |
| Surrogate: 1-Chlorooctadecane | 59.6 | | mg/kg | 50.0 | | 119 | 49.1-148 | | | |
| LCS Dup (4110539-BSD1) | | | | Prepared: (|)5-Nov-24 / | Analyzed: (|)6-Nov-24 | | | |
| GRO C6-C10 | 200 | 10.0 | mg/kg | 200 | | 99.8 | 81.5-123 | 0.00451 | 13 | |
| DRO >C10-C28 | 196 | 10.0 | mg/kg | 200 | | 97.9 | 77.7-122 | 0.257 | 15.6 | |
| Total TPH C6-C28 | 395 | 10.0 | mg/kg | 400 | | 98.9 | 80.9-121 | 0.129 | 18.5 | |
| Surrogate: 1-Chlorooctane | 65.8 | | mg/kg | 50.0 | | 132 | 48.2-134 | | | |
| Surrogate: 1-Chlorooctadecane | 58.4 | | mg/kg | 50.0 | | 117 | 49.1-148 | | | |
| Batch 4110717 - General Prep - Organics | | | | | | | | | | |
| | | | | | | | | | | |

| Blank (4110717-BLK1) | Prepared & Analyzed: 07-Nov-24 | | | | | | | |
|-------------------------------|--------------------------------|------|-------|------|------|----------|--|--|
| GRO C6-C10 | ND | 10.0 | mg/kg | | | | | |
| DRO >C10-C28 | ND | 10.0 | mg/kg | | | | | |
| EXT DRO >C28-C36 | ND | 10.0 | mg/kg | | | | | |
| Surrogate: 1-Chlorooctane | 49.1 | | mg/kg | 50.0 | 98.1 | 48.2-134 | | |
| Surrogate: 1-Chlorooctadecane | 49.8 | | mg/kg | 50.0 | 99.5 | 49.1-148 | | |

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager



| TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 | Project Number: Project Manager: | CICADA UNIT 022H RELEASE #3 212C-MD-03521 JOHN FAUGHT (432) 682-3946 | Reported: 08-Nov-24 11:33 |
|---|-------------------------------------|---|------------------------------|
|---|-------------------------------------|---|------------------------------|

Petroleum Hydrocarbons by GC FID - Quality Control

| Cardinal | Laboratories |
|----------|--------------|
| | |

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---|--------|-----------|-------|------------|-------------|-----------|----------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 4110717 - General Prep - Organics | | | | | | | | | | |
| LCS (4110717-BS1) | | | | Prepared & | k Analyzed: | 07-Nov-24 | 4 | | | |
| GRO C6-C10 | 200 | 10.0 | mg/kg | 200 | | 100 | 81.5-123 | | | |
| DRO >C10-C28 | 193 | 10.0 | mg/kg | 200 | | 96.3 | 77.7-122 | | | |
| Total TPH C6-C28 | 392 | 10.0 | mg/kg | 400 | | 98.1 | 80.9-121 | | | |
| Surrogate: 1-Chlorooctane | 56.1 | | mg/kg | 50.0 | | 112 | 48.2-134 | | | |
| Surrogate: 1-Chlorooctadecane | 56.4 | | mg/kg | 50.0 | | 113 | 49.1-148 | | | |
| LCS Dup (4110717-BSD1) | | | | Prepared & | analyzed: | 07-Nov-24 | 4 | | | |
| GRO C6-C10 | 206 | 10.0 | mg/kg | 200 | | 103 | 81.5-123 | 3.01 | 13 | |
| DRO >C10-C28 | 200 | 10.0 | mg/kg | 200 | | 99.9 | 77.7-122 | 3.69 | 15.6 | |
| Total TPH C6-C28 | 406 | 10.0 | mg/kg | 400 | | 101 | 80.9-121 | 3.35 | 18.5 | |
| Surrogate: 1-Chlorooctane | 55.2 | | mg/kg | 50.0 | | 110 | 48.2-134 | | | |
| Surrogate: 1-Chlorooctadecane | 53.9 | | mg/kg | 50.0 | | 108 | 49.1-148 | | | |

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

| GC-NC1 | 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds. |
|--------|---|
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500CI-B does not require samples be received at or below 6°C |
| | Samples reported on an as received basis (wet) unless otherwise noted on report |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record

| æ | Tetra Tech, Inc. | | | | 901 | Mic Te | lland, el (43 | Texa 2) 68 | reet, S as 79 32-455 32-394 | 701 59 | 100 | | | | | | | | | | | | | | | Page 12 of 1 |
|--------------------------------------|--|--------------|----------|----------|----------|-----------|------------------|---------------|--------------------------------------|--------------|----------------|-----------------|--|-------------------------------|----------|-----------------|--|--------------------------------------|----------------|--------------------|----------|----------------------------------|------------------|-------------------------|-----------------------------------|--------------|
| Client Name: | Chevron | Site Manag | jer: | Joh | nn Fa | ught | | | | 1 | | Γ | | | | | AN | AL | YSI | S RE | QU | EST | г | | | - <u>a</u> |
| Project Name: | Cicada Unit 022H Release #3 | Contact Inf | o: | | | | | | | | £ | 1. | | | (Ci | | | | pe | cify | Me | tho | d N | lo .) |) | |
| Project Location: (county, state) | Eddy County, NM | Project #: | | 212 | PC-M | D-035 | 21 | _ | | | | | | ate | | | Mn, K, | | | | | | | | | |
| nvoice to: | John.faught1@tetratech.com; OGA.ECS.AccountsPayable@tetratech.com | | | | | Req | | D | | | _ | | | Chloride / Flouride / Sulfate | | | ron Red | | | | | | | | | |
| Receiving Laboratory: | Cardinal Laboratories | Sampler Si | gnature: | | Mattl | new C | astre | ejon | | | | | ORO - MRO) | e / Flouri | | | a, Ur, Fe acteria. I | | | | | | | hed list) | | |
| Comments: Email: joh | n.faught1@tetratech.com; clair.gonzales@tetratech. | com | | | | | | | | _ | | | | | | | educing B | | | (625 | | | | (see attached | | |
| JOUUTED | - | SAM | PLING | МА | TRI | PR | | RVA | TIVE | ERS | (N/X | 3TEX 8260B | 3RO - DRC r SM 4500 | / Bromide | | le. Ac Bo | Sulfate R | rus | | 01. 8270C/625 | | | ate TDS | Chemistry | lance | |
| LAB # LAB USE ONLY | SAMPLE IDENTIFICATION | DATE | TIME | WATER | SOIL | HCL | HNO ₃ | NONE | | # CONTAINERS | FILTERED (Y/N) | BTEX 8021B BTEX | TPH 8015M (GRO - DRO Chloride 300 or SM 4500 | •Nitrate / Nitrite / Bromide | •RSK-175 | •Total ICP Mate | •Total Coliform, Sulfate Reducing Bacteria. Iron Reducing Ba | Total Phosphorus | •TPH - TX 1005 | PCB's 8082 / 608 | NORM | PLM (Asbestos) Chloride 300.0 | Chloride Sulfate | General Water Chemistry | Anion/Cation Balance TPH 8015R | |
| 1 | AH-1 (9'-9.5') | 11/05/24 | | | x x | Ŧ | | ⊻ z x | | # | E N | | - | 1 | ι. | ĒĒ | i i i | F | ÷ | 3 8 | 2 | 2 5 | Ē | Ger | TP A | |
| à | AH-1 (9.5'-10') | 11/05/24 | | | x | + | - | x | + | 1 | N | | x x | + | | + | + | \vdash | + | + | \vdash | + | \square | + | + | \square |
| 3 | AH-1 (10'-10.5') | 11/05/24 | | + | x | + | + | x | + | 1 | N | | x x | | А | + | + | \vdash | + | + | \vdash | + | \square | + | + | \square |
| | | | | | <u>^</u> | + | ť | 1 | + | | IN | X | ×× | L' | | + | + | \vdash | + | + | + | + | ++ | + | + | ļļ' |
| | | | | | + | + | + | + | + | - | - | + | + | 07 | 2 | 6 | + | \vdash | + | + | + | + | \square | + | + | \square |
| | | | | | + | + | + | + | + | | - | + | + | 3 | N | <u></u> ∦. | + | \vdash | + | ++ | + | + | \vdash | + | + | \square |
| | | | | \vdash | + | + | + | + | + | | | + | | R | 1 | | + | \vdash | + | ++ | + | + | \vdash | + | - | \vdash |
| | | | | | + | \square | + | + | \square | - | | + | + | | + | + | H | \vdash | + | ++ | + | + | \vdash | + | + | \vdash |
| | | | | | + | + | + | + | + | - | - | + | | 4 | - | + | H | | + | ++ | + | + | \vdash | + | + | \square |
| | | | | | + | | + | + | | - | - | + | + | \square | + | + | $\left \right $ | - | + | ++ | + | + | \vdash | + | + | \vdash |
| elinquished by: | Date: Time: | Received by: | | | | Da | te: | Tir | me: | | | | AB | | | RE | | RKS: Stan | | | | | | | | |
| linquished by: | Date: Time: | Received by: | teion | 110 | 11 | Dat | | Tir 74 | me: | 30 | | | e Ter | | | C | | _ | | ame Da | C | Ŋ |)48 hr | r. 72 | hr. | |
| linquished by: | Date: Time: | Received by: | | | J | Dat | e: | Tin | ne: | | - | - | 02 | | | | _ | | | ges Au port Lir | | | P Rep | ort | | |
| | | ORIGINAL | COPY | | | | - | | - | | - | | | | | | | _ | _ | | | ding #: | | | | |

1112. 1/2/4040 Rel

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November 21, 2024

John Faught

TETRA TECH

901 WEST WALL STREET, STE 100

MIDLAND, TX 79701

RE: CICADA UNIT 022H RELEASE #3

Enclosed are the results of analyses for samples received by the laboratory on 11/15/24 13:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceg.texas.gov/field/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

| Method SM 9223-B | Total Coliform and E. coli (Colilert MMO-MUG) |
|------------------|---|
| Method EPA 524.2 | Regulated VOCs and Total Trihalomethanes (TTHM) |
| Method EPA 552.2 | Total Haloacetic Acids (HAA-5) |

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



| TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 | Project Number: Project Manager: | | Reported: 21-Nov-24 12:10 |
|---|-------------------------------------|--|------------------------------|
|---|-------------------------------------|--|------------------------------|

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------------|---------------|--------|-----------------|-----------------|
| PH - 1 (11') | H246987-01 | Soil | 14-Nov-24 00:00 | 15-Nov-24 13:45 |
| PH - 1 (12') | H246987-02 | Soil | 14-Nov-24 00:00 | 15-Nov-24 13:45 |
| H-8.3 (0-1') | H246987-03 | Soil | 15-Nov-24 00:00 | 15-Nov-24 13:45 |
| H-9.3 (0-1') | H246987-04 | Soil | 15-Nov-24 00:00 | 15-Nov-24 13:45 |
| AH - 3 (0-0.5') | H246987-05 | Soil | 15-Nov-24 00:00 | 15-Nov-24 13:45 |
| AH - 3 (1') | H246987-06 | Soil | 15-Nov-24 00:00 | 15-Nov-24 13:45 |
| AH3 (2') | H246987-07 | Soil | 15-Nov-24 00:00 | 15-Nov-24 13:45 |

11/19/24 - Client added analysis to sample -02 (see COC). This is the revised report and will replace the one sent on 11/18/24.

11/21/24 - Client asked to rerun sample -02 for TPH. Re-extract analysis came out lower than the original. The sample was not very homogenous and had a lot of rocks. Sample was homogenized and re-extracted. This is the revised report and will replace the one sent on 11/19/24.

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



| TETRA TECH 901 WEST WALL STREET , S MIDLAND TX, 79701 | TE 100 | | Project Num Project Mana Fax | iber: 212 iger: JOH To: (43) | IN FAUGHT 2) 682-394 | 1 | ASE #3 | SE #3 Reported: 21-Nov-24 1: | | | |
|---|--------------|------|------------------------------------|------------------------------------|-------------------------|---------|---------|---------------------------------|-----------|-------|--|
| | | | | - 1 (11' 987-01 (Se | , , | | | | | | |
| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes | |
| | | | Cardina | l Laborat | tories | | | | | | |
| Inorganic Compounds | | | | | | | | | | | |
| Chloride | 624 | | 16.0 | mg/kg | 4 | 4111819 | AC | 18-Nov-24 | 4500-Cl-B | | |
| Volatile Organic Compounds by | y EPA Method | 8021 | | | | | | | | | |
| Benzene* | < 0.050 | | 0.050 | mg/kg | 50 | 4111454 | ЛН | 15-Nov-24 | 8021B | | |
| Toluene* | < 0.050 | | 0.050 | mg/kg | 50 | 4111454 | JH | 15-Nov-24 | 8021B | | |
| Ethylbenzene* | < 0.050 | | 0.050 | mg/kg | 50 | 4111454 | JH | 15-Nov-24 | 8021B | | |
| Total Xylenes* | < 0.150 | | 0.150 | mg/kg | 50 | 4111454 | JH | 15-Nov-24 | 8021B | | |
| Total BTEX | < 0.300 | | 0.300 | mg/kg | 50 | 4111454 | JH | 15-Nov-24 | 8021B | | |
| Surrogate: 4-Bromofluorobenzene (PID) | | | 96.4 % | 71.5 | -134 | 4111454 | ЛН | 15-Nov-24 | 8021B | | |
| Petroleum Hydrocarbons by G | C FID | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 4111512 | MS | 15-Nov-24 | 8015B | | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 4111512 | MS | 15-Nov-24 | 8015B | | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 4111512 | MS | 15-Nov-24 | 8015B | | |
| Surrogate: 1-Chlorooctane | | | 76.0 % | 48.2 | -134 | 4111512 | MS | 15-Nov-24 | 8015B | | |
| Surrogate: 1-Chlorooctadecane | | | 81.3 % | 49.1 | -148 | 4111512 | MS | 15-Nov-24 | 8015B | | |

Cardinal Laboratories

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



| TETRA TECH 901 WEST WALL STREET , MIDLAND TX, 79701 | STE 100 | | Project Num Project Mana | nber: 212 ager: JOH | | 1 | ASE #3 | 2 | Reported: 21-Nov-24 12:10 | | | |
|---|-----------------|------|-----------------------------|------------------------|----------|---------|---------|-----------|------------------------------|-------|--|--|
| | | | | - 1 (12' 987-02 (Se | , , | | | | | | | |
| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes | | |
| | | | Cardina | al Laborat | tories | | | | | | | |
| Inorganic Compounds | | | | | | | | | | | | |
| Chloride | 576 | | 16.0 | mg/kg | 4 | 4111918 | AC | 19-Nov-24 | 4500-Cl-B | | | |
| Volatile Organic Compounds | by EPA Method 8 | 8021 | | | | | | | | | | |
| Benzene* | < 0.050 | | 0.050 | mg/kg | 50 | 4111816 | JH | 18-Nov-24 | 8021B | | | |
| Toluene* | < 0.050 | | 0.050 | mg/kg | 50 | 4111816 | ЛН | 18-Nov-24 | 8021B | | | |
| Ethylbenzene* | < 0.050 | | 0.050 | mg/kg | 50 | 4111816 | ЛН | 18-Nov-24 | 8021B | | | |
| Total Xylenes* | < 0.150 | | 0.150 | mg/kg | 50 | 4111816 | ЛН | 18-Nov-24 | 8021B | | | |
| Total BTEX | < 0.300 | | 0.300 | mg/kg | 50 | 4111816 | ЛН | 18-Nov-24 | 8021B | | | |
| Surrogate: 4-Bromofluorobenzene (PID |)) | | 96.9 % | 71.5 | -134 | 4111816 | JH | 18-Nov-24 | 8021B | | | |
| Petroleum Hydrocarbons by (| GC FID | | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 4111831 | MS | 20-Nov-24 | 8015B | | | |
| DRO >C10-C28* | 34.0 | | 10.0 | mg/kg | 1 | 4111831 | MS | 20-Nov-24 | 8015B | | | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 4111831 | MS | 20-Nov-24 | 8015B | | | |
| Surrogate: 1-Chlorooctane | | | 70.1 % | 48.2 | -134 | 4111831 | MS | 20-Nov-24 | 8015B | | | |
| Surrogate: 1-Chlorooctadecane | | | 69.5 % | 49.1 | -148 | 4111831 | MS | 20-Nov-24 | 8015B | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



| TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701 | , STE 100 | | Project Nun Project Mana | nber: 212 ager: JOH | | 21 | ASE #3 | 2 | 10 | |
|---|-----------------|------|-----------------------------|--------------------------|----------|---------|---------|-----------|-----------|-------|
| | | | | 8.3 (0-1') 987-03 (Se | | | | | | |
| | | | Reporting | | | | | | | |
| Analyte | Result | MDL | Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
| | | | Cardina | al Laborat | tories | | | | | |
| Inorganic Compounds | | | | | | | | | | |
| Chloride | 64.0 | | 16.0 | mg/kg | 4 | 4111824 | CT | 18-Nov-24 | 4500-Cl-B | |
| Volatile Organic Compounds | s by EPA Method | 8021 | | | | | | | | |
| Benzene* | < 0.050 | | 0.050 | mg/kg | 50 | 4111454 | JH | 15-Nov-24 | 8021B | |
| Toluene* | < 0.050 | | 0.050 | mg/kg | 50 | 4111454 | JH | 15-Nov-24 | 8021B | |
| Ethylbenzene* | < 0.050 | | 0.050 | mg/kg | 50 | 4111454 | JH | 15-Nov-24 | 8021B | |
| Total Xylenes* | < 0.150 | | 0.150 | mg/kg | 50 | 4111454 | JH | 15-Nov-24 | 8021B | |
| Total BTEX | < 0.300 | | 0.300 | mg/kg | 50 | 4111454 | JH | 15-Nov-24 | 8021B | |
| Surrogate: 4-Bromofluorobenzene (Pl | D) | | 100 % | 71.5 | -134 | 4111454 | JH | 15-Nov-24 | 8021B | |
| Petroleum Hydrocarbons by | GC FID | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 4111512 | MS | 15-Nov-24 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 4111512 | MS | 15-Nov-24 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 4111512 | MS | 15-Nov-24 | 8015B | |
| Surrogate: 1-Chlorooctane | | | 85.4 % | 48.2 | -134 | 4111512 | MS | 15-Nov-24 | 8015B | |
| Surrogate: 1-Chlorooctadecane | | | 90.8 % | 49.1 | -148 | 4111512 | MS | 15-Nov-24 | 8015B | |

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| TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701 | , STE 100 | | Project Num Project Mana | nber: 212 ager: JOH | | 1 | ASE #3 | 2 | 10 | |
|---|-----------------|------|-----------------------------|--------------------------|----------|---------|---------|-----------|-----------|-------|
| | | | | 9.3 (0-1') 987-04 (Se | | | | | | |
| | | | 11210 | | ,,,,, | | | | | |
| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
| | | | Cardina | l Laborat | ories | | | | | |
| Inorganic Compounds | | | | | | | | | | |
| Chloride | 32.0 | | 16.0 | mg/kg | 4 | 4111824 | CT | 18-Nov-24 | 4500-Cl-B | |
| Volatile Organic Compounds | s by EPA Method | 8021 | | | | | | | | |
| Benzene* | < 0.050 | | 0.050 | mg/kg | 50 | 4111454 | ЛН | 15-Nov-24 | 8021B | |
| Toluene* | < 0.050 | | 0.050 | mg/kg | 50 | 4111454 | JH | 15-Nov-24 | 8021B | |
| Ethylbenzene* | < 0.050 | | 0.050 | mg/kg | 50 | 4111454 | JH | 15-Nov-24 | 8021B | |
| Total Xylenes* | < 0.150 | | 0.150 | mg/kg | 50 | 4111454 | JH | 15-Nov-24 | 8021B | |
| Total BTEX | < 0.300 | | 0.300 | mg/kg | 50 | 4111454 | JH | 15-Nov-24 | 8021B | |
| Surrogate: 4-Bromofluorobenzene (PI | D) | | 103 % | 71.5 | -134 | 4111454 | JH | 15-Nov-24 | 8021B | |
| Petroleum Hydrocarbons by | GC FID | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 4111512 | MS | 15-Nov-24 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 4111512 | MS | 15-Nov-24 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 4111512 | MS | 15-Nov-24 | 8015B | |
| Surrogate: 1-Chlorooctane | | | 72.3 % | 48.2 | -134 | 4111512 | MS | 15-Nov-24 | 8015B | |
| Surrogate: 1-Chlorooctadecane | | | 74.4 % | 49.1 | -148 | 4111512 | MS | 15-Nov-24 | 8015B | |

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| TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 | Project Nur Project Man | nber: 212 ager: JOH | | 21 | ASE #3 | 2 | Reported: 21-Nov-24 12:10 | | |
|---|----------------------------|---------------------------|----------|---------|---------|-----------|------------------------------|--------|--|
| | | - 3 (0-0.5 5987-05 (Se | <i>,</i> | | | | | | |
| | 11240 | 5767-03 (50 | ,m) | | | | | | |
| Analyte Result | MDL Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes | |
| | Cardin | al Laborat | ories | | | | | | |
| Inorganic Compounds | | | | | | | | | |
| Chloride 4480 | 16.0 | mg/kg | 4 | 4111824 | CT | 18-Nov-24 | 4500-Cl-B | | |
| Volatile Organic Compounds by EPA Method 802 | 21 | | | | | | | S-04 | |
| Benzene* <0.500 | 0.500 | mg/kg | 500 | 4111454 | JH | 15-Nov-24 | 8021B | GC-NC | |
| Toluene* 2.11 | 0.500 | mg/kg | 500 | 4111454 | JH | 15-Nov-24 | 8021B | GC-NC1 | |
| Ethylbenzene* 2.76 | 0.500 | mg/kg | 500 | 4111454 | JH | 15-Nov-24 | 8021B | GC-NC1 | |
| Total Xylenes* 55.9 | 1.50 | mg/kg | 500 | 4111454 | JH | 15-Nov-24 | 8021B | | |
| Total BTEX 60.7 | 3.00 | mg/kg | 500 | 4111454 | JH | 15-Nov-24 | 8021B | GC-NC1 | |
| Surrogate: 4-Bromofluorobenzene (PID) | 158 % | 71.5 | -134 | 4111454 | ЛН | 15-Nov-24 | 8021B | | |
| Petroleum Hydrocarbons by GC FID | | | | | | | | S-06 | |
| GRO C6-C10* 2100 | 100 | mg/kg | 10 | 4111512 | MS | 18-Nov-24 | 8015B | | |
| DRO >C10-C28* 16300 | 100 | mg/kg | 10 | 4111512 | MS | 18-Nov-24 | 8015B | | |
| EXT DRO >C28-C36 2320 | 100 | mg/kg | 10 | 4111512 | MS | 18-Nov-24 | 8015B | | |
| Surrogate: 1-Chlorooctane | | | | | - | | | | |
| Surrogaie. 1-Chioroociane | 609 % | 48.2 | -134 | 4111512 | MS | 18-Nov-24 | 8015B | | |

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| TETRA TECH 901 WEST WALL STREET MIDLAND TX, 79701 | , STE 100 | | Project Num Project Mana | ber: 212 ger: JOH | | 1 | ASE #3 | 2 | Reported: 1-Nov-24 12 | :10 |
|---|-----------------|------|-----------------------------|----------------------|---------------|---------|---------|-----------|--------------------------|--------|
| | | | | I-3 (1') | | | | | | |
| | | | H246 | 987-06 (So | 01 1) | | | | | |
| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
| | | | Cardina | l Laborat | ories | | | | | |
| Inorganic Compounds | | | | | | | | | | |
| Chloride | 5120 | | 16.0 | mg/kg | 4 | 4111824 | CT | 18-Nov-24 | 4500-Cl-B | |
| Volatile Organic Compounds | s by EPA Method | 8021 | | | | | | | | S-04 |
| Benzene* | < 0.500 | | 0.500 | mg/kg | 500 | 4111454 | JH | 15-Nov-24 | 8021B | GC-NC |
| Toluene* | 1.53 | | 0.500 | mg/kg | 500 | 4111454 | JH | 15-Nov-24 | 8021B | GC-NC1 |
| Ethylbenzene* | 2.52 | | 0.500 | mg/kg | 500 | 4111454 | ЛН | 15-Nov-24 | 8021B | GC-NC1 |
| Total Xylenes* | 45.3 | | 1.50 | mg/kg | 500 | 4111454 | ЛН | 15-Nov-24 | 8021B | |
| Total BTEX | 49.4 | | 3.00 | mg/kg | 500 | 4111454 | ЛН | 15-Nov-24 | 8021B | GC-NC1 |
| Surrogate: 4-Bromofluorobenzene (PI | D) | | 140 % | 71.5 | -134 | 4111454 | ЛН | 15-Nov-24 | 8021B | |
| Petroleum Hydrocarbons by | GC FID | | | | | | | | | S-06 |
| GRO C6-C10* | 1760 | | 100 | mg/kg | 10 | 4111512 | MS | 18-Nov-24 | 8015B | |
| DRO >C10-C28* | 14500 | | 100 | mg/kg | 10 | 4111512 | MS | 18-Nov-24 | 8015B | |
| EXT DRO >C28-C36 | 2310 | | 100 | mg/kg | 10 | 4111512 | MS | 18-Nov-24 | 8015B | |
| Surrogate: 1-Chlorooctane | | | 450 % | 48.2 | -134 | 4111512 | MS | 18-Nov-24 | 8015B | |
| Surrogate: 1-Chlorooctadecane | | | 288 % | 49.1 | -148 | 4111512 | MS | 18-Nov-24 | 8015B | |

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| TETRA TECH 901 WEST WALL STREET , MIDLAND TX, 79701 | STE 100 | | Project Num Project Mana | , ıber: 212 ıger: JO⊦ | | 1 | ASE #3 | 2 | 10 | |
|---|---------|------|-----------------------------|-----------------------------|----------|---------|---------|-----------|-----------|-------|
| | | | | [3 (2') 987-07 (Se | | | | | | |
| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
| | | | Cardina | l Laborat | tories | | | | | |
| Inorganic Compounds Chloride | 272 | | 16.0 | mg/kg | 4 | 4111824 | СТ | 18-Nov-24 | 4500-Cl-B | |
| Volatile Organic Compounds | | 8021 | 10.0 | | · | | | 101101 21 | 1000 01 2 | |
| Benzene* | < 0.050 | 0021 | 0.050 | mg/kg | 50 | 4111454 | ЛН | 15-Nov-24 | 8021B | |
| Toluene* | < 0.050 | | 0.050 | mg/kg | 50 | 4111454 | ЈН | 15-Nov-24 | 8021B | |
| Ethylbenzene* | < 0.050 | | 0.050 | mg/kg | 50 | 4111454 | JH | 15-Nov-24 | 8021B | |
| Total Xylenes* | < 0.150 | | 0.150 | mg/kg | 50 | 4111454 | JH | 15-Nov-24 | 8021B | |
| Total BTEX | < 0.300 | | 0.300 | mg/kg | 50 | 4111454 | JH | 15-Nov-24 | 8021B | |
| Surrogate: 4-Bromofluorobenzene (PII | D) | | 101 % | 71.5 | -134 | 4111454 | ЛН | 15-Nov-24 | 8021B | |
| Petroleum Hydrocarbons by | GC FID | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 4111512 | MS | 18-Nov-24 | 8015B | |
| DRO >C10-C28* | 237 | | 10.0 | mg/kg | 1 | 4111512 | MS | 18-Nov-24 | 8015B | |
| EXT DRO >C28-C36 | 18.9 | | 10.0 | mg/kg | 1 | 4111512 | MS | 18-Nov-24 | 8015B | |
| Surrogate: 1-Chlorooctane | | | 73.6 % | 48.2 | -134 | 4111512 | MS | 18-Nov-24 | 8015B | |
| Surrogate: 1-Chlorooctadecane | | | 81.0 % | 49.1 | -148 | 4111512 | MS | 18-Nov-24 | 8015B | |

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

| TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 | Project Number: Project Manager: | CICADA UNIT 022H RELEASE #3 212C-MD-03521 JOHN FAUGHT (432) 682-3946 | Reported: 21-Nov-24 12:10 |
|---|-------------------------------------|---|------------------------------|
|---|-------------------------------------|---|------------------------------|

Inorganic Compounds - Quality Control

| Cardinal Laboratories | | | | | | | | | |
|-----------------------|--------------------------------------|--|---|---|---|--|---|---|---|
| Popult | Reporting | Unita | Spike Level | Source | %PEC | %REC | PPD | RPD Limit | Notes |
| Kesuit | Liint | Ollits | Level | Kesun | 70KEC | Lillins | KF D | Liiiit | INDIES |
| | | | | | | | | | |
| | | | Prepared & | Analyzed: | 18-Nov-24 | | | | |
| ND | 16.0 | mg/kg | | | | | | | |
| | | | Prepared & | Analyzed: | 18-Nov-24 | | | | |
| 480 | 16.0 | mg/kg | 400 | | 120 | 80-120 | | | |
| | | | Prepared & | Analyzed: | 18-Nov-24 | | | | |
| 464 | 16.0 | mg/kg | 400 | | 116 | 80-120 | 3.39 | 20 | |
| | | | | | | | | | |
| | | | Prepared & | Analyzed: | 18-Nov-24 | | | | |
| ND | 16.0 | mg/kg | | | | | | | |
| | | | Prepared & | Analyzed: | 18-Nov-24 | | | | |
| 416 | 16.0 | mg/kg | 400 | | 104 | 80-120 | | | |
| | | | Prepared & | Analyzed: | 18-Nov-24 | | | | |
| 432 | 16.0 | mg/kg | 400 | | 108 | 80-120 | 3.77 | 20 | |
| | | | | | | | | | |
| | | | Prepared & | Analyzed: | 19-Nov-24 | | | | |
| ND | 16.0 | mg/kg | | | | | | | |
| | | | Prepared & | Analyzed: | 19-Nov-24 | | | | |
| 400 | 16.0 | mg/kg | 400 | | 100 | 80-120 | | | |
| | 480 464 ND 416 432 ND | Reporting Limit ND 16.0 480 16.0 464 16.0 464 16.0 464 16.0 416 16.0 416 16.0 432 16.0 ND 16.0 432 16.0 ND 16.0 | Reporting Limit Units ND 16.0 mg/kg 480 16.0 mg/kg 464 16.0 mg/kg 416 16.0 mg/kg 416 16.0 mg/kg 432 16.0 mg/kg ND 16.0 mg/kg | Reporting Limit Spike Limit Result Limit Units Prepared & ND 16.0 mg/kg Prepared & 480 16.0 mg/kg 480 16.0 mg/kg 464 16.0 mg/kg Prepared & ND 16.0 mg/kg Prepared & 416 16.0 mg/kg 416 16.0 mg/kg Prepared & 416 16.0 mg/kg 400 Prepared & ND 16.0 mg/kg 400 Prepared & ND 16.0 mg/kg | Reporting Spike Source Result Limit Units Level Result Prepared & Analyzed: Prepared & Analyzed: ND 16.0 mg/kg 400 Prepared & Analyzed: Prepared & Analyzed: 480 16.0 mg/kg 400 Prepared & Analyzed: Prepared & Analyzed: 464 16.0 mg/kg 400 ND 16.0 mg/kg 400 Prepared & Analyzed: Prepared & Analyzed: Prepared & Analyzed: ND 16.0 mg/kg 400 Prepared & Analyzed: Prepared & Analyzed: Prepared & Analyzed: MD 16.0 mg/kg 400 Prepared & Analyzed: Prepared & Analyzed: Prepared & Analyzed: MD 16.0 mg/kg 400 | Reporting ResultSpike LimitSource LevelResult%RECPrepared & Analyzed: 18-Nov-24ND16.0mg/kgPrepared & Analyzed: 18-Nov-24MD16.0mg/kg400120Prepared & Analyzed: 18-Nov-24Prepared & Analyzed: 18-Nov-24Prepared & Analyzed: 18-Nov-2448016.0mg/kg400116Prepared & Analyzed: 18-Nov-24MD16.0mg/kg400116Prepared & Analyzed: 18-Nov-24MD16.0mg/kg400104Prepared & Analyzed: 18-Nov-24MD16.0mg/kg400108Prepared & Analyzed: 18-Nov-24MD16.0mg/kg400108Prepared & Analyzed: 18-Nov-24Prepared & Analyzed: 19-Nov-24Prepared & Analyzed: 19-Nov-24ND16.0mg/kgPrepared & Analyzed: 19-Nov-24ND16.0mg/kg | Reporting Result Reporting Limit Spike Units Source Level %REC %REC Limits ND 16.0 mg/kg Prepared & Analyzed: 18-Nov-24 MD 16.0 mg/kg 400 120 80-120 Prepared & Analyzed: 18-Nov-24 Prepared & Analyzed: 18-Nov-24 464 16.0 mg/kg 400 116 80-120 Prepared & Analyzed: 18-Nov-24 464 16.0 mg/kg 400 116 80-120 Prepared & Analyzed: 18-Nov-24 | Reporting Result Reporting Limit Spike Units Source Result %REC Kesult %REC Limits RPD ND 16.0 mg/kg Prepared & Analyzed: 18-Nov-24 MD 16.0 mg/kg 400 120 80-120 Prepared & Analyzed: 18-Nov-24 Prepared & Analyzed: 18-Nov-24 3.39 464 16.0 mg/kg 400 116 80-120 3.39 Prepared & Analyzed: 18-Nov-24 ND 16.0 mg/kg 400 116 80-120 3.39 Prepared & Analyzed: 18-Nov-24 ND 16.0 mg/kg 400 104 80-120 Prepared & Analyzed: 18-Nov-24 MD 16.0 mg/kg 400 104 80-120 Prepared & Analyzed: 18-Nov-24 MD 16.0 mg/kg 400 108 80-120 3.77 Prepared & Analyzed: 19-Nov-24 Prepared & Analyzed: 19-Nov-24 | Reporting Result Reporting Limit Spike Level Source Result %REC Limits RPD Limit ND 16.0 mg/kg Prepared & Analyzed: 18-Nov-24 RPD Limit RPD Limit RPD Limit RPD Limit RPD Limit |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



| TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 | Project Number: Project Manager: | | Reported: 21-Nov-24 12:10 |
|---|-------------------------------------|--|------------------------------|
|---|-------------------------------------|--|------------------------------|

Inorganic Compounds - Quality Control

Cardinal Laboratories

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|------------------------------|--------------------------------|--------------------|-------|----------------|------------------|------|----------------|------|--------------|-------|
| Batch 4111918 - 1:4 DI Water | | | | | | | | | | |
| LCS Dup (4111918-BSD1) | Prepared & Analyzed: 19-Nov-24 | | | | | | | | | |
| Chloride | 416 | 16.0 | mg/kg | 400 | | 104 | 80-120 | 3.92 | 20 | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Volatile Organic Compounds by EPA Method 8021 - Quality Control

| Cardinal | Laboratories |
|----------|--------------|
| | |

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------------------|--------|--------------------|-------|----------------|------------------|-------------|----------------|------|--------------|--------|
| Anaryte | Kesult | Liinit | Units | Level | Result | 70KEU | Liiiiits | KrD | LIIIII | indies |
| Batch 4111454 - Volatiles | | | | | | | | | | |
| Blank (4111454-BLK1) | | | | Prepared: 1 | 4-Nov-24 / | Analyzed: 1 | 5-Nov-24 | | | |
| Benzene | ND | 0.050 | mg/kg | | | | | | | |
| Toluene | ND | 0.050 | mg/kg | | | | | | | |
| Ethylbenzene | ND | 0.050 | mg/kg | | | | | | | |
| Total Xylenes | ND | 0.150 | mg/kg | | | | | | | |
| Total BTEX | ND | 0.300 | mg/kg | | | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0511 | | mg/kg | 0.0500 | | 102 | 71.5-134 | | | |
| LCS (4111454-BS1) | | | | Prepared: 1 | 4-Nov-24 / | Analyzed: 1 | 5-Nov-24 | | | |
| Benzene | 2.10 | 0.050 | mg/kg | 2.00 | | 105 | 82.8-130 | | | |
| Toluene | 2.31 | 0.050 | mg/kg | 2.00 | | 116 | 86-128 | | | |
| Ethylbenzene | 2.58 | 0.050 | mg/kg | 2.00 | | 129 | 85.9-128 | | | BS- |
| m,p-Xylene | 5.24 | 0.100 | mg/kg | 4.00 | | 131 | 89-129 | | | BS |
| o-Xylene | 2.59 | 0.050 | mg/kg | 2.00 | | 129 | 86.1-125 | | | BS- |
| Total Xylenes | 7.83 | 0.150 | mg/kg | 6.00 | | 130 | 88.2-128 | | | BS- |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0605 | | mg/kg | 0.0500 | | 121 | 71.5-134 | | | |
| LCS Dup (4111454-BSD1) | | | | Prepared: 1 | 4-Nov-24 / | Analyzed: 1 | 5-Nov-24 | | | |
| Benzene | 2.03 | 0.050 | mg/kg | 2.00 | | 101 | 82.8-130 | 3.19 | 15.8 | |
| Toluene | 2.07 | 0.050 | mg/kg | 2.00 | | 103 | 86-128 | 11.1 | 15.9 | |
| Ethylbenzene | 2.24 | 0.050 | mg/kg | 2.00 | | 112 | 85.9-128 | 13.9 | 16 | |
| m,p-Xylene | 4.52 | 0.100 | mg/kg | 4.00 | | 113 | 89-129 | 14.9 | 16.2 | |
| o-Xylene | 2.24 | 0.050 | mg/kg | 2.00 | | 112 | 86.1-125 | 14.6 | 16.7 | |
| Total Xylenes | 6.75 | 0.150 | mg/kg | 6.00 | | 113 | 88.2-128 | 14.8 | 16.3 | |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0541 | | mg/kg | 0.0500 | | 108 | 71.5-134 | | | |

Batch 4111816 - Volatiles

| Blank (4111816-BLK1) | | | Prepared & Analyzed: 18-Nov-24 |
|----------------------|----|-------|--------------------------------|
| Benzene | ND | 0.050 | mg/kg |
| Toluene | ND | 0.050 | mg/kg |
| Ethylbenzene | ND | 0.050 | mg/kg |
| Total Xylenes | ND | 0.150 | mg/kg |
| | | | |

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



| TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 | Project Number: Project Manager: | CICADA UNIT 022H RELEASE #3 212C-MD-03521 JOHN FAUGHT (432) 682-3946 | Reported: 21-Nov-24 12:10 | |
|---|-------------------------------------|---|------------------------------|--|
|---|-------------------------------------|---|------------------------------|--|

Volatile Organic Compounds by EPA Method 8021 - Quality Control

| Cardinal | Labor | atories |
|----------|-------|---------|
| | | |

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------------|--------|-----------|-------|------------|-----------|----------|----------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 4111816 - Volatiles | | | | | | | | | | |
| Blank (4111816-BLK1) | | | | Prepared & | Analyzed: | 18-Nov-2 | 4 | | | |
| Total BTEX | ND | 0.300 | mg/kg | | | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0534 | | mg/kg | 0.0500 | | 107 | 71.5-134 | | | |
| LCS (4111816-BS1) | | | | Prepared & | Analyzed: | 18-Nov-2 | 4 | | | |
| Benzene | 2.14 | 0.050 | mg/kg | 2.00 | | 107 | 82.8-130 | | | |
| Toluene | 2.13 | 0.050 | mg/kg | 2.00 | | 106 | 86-128 | | | |
| Ethylbenzene | 2.26 | 0.050 | mg/kg | 2.00 | | 113 | 85.9-128 | | | |
| m,p-Xylene | 4.56 | 0.100 | mg/kg | 4.00 | | 114 | 89-129 | | | |
| o-Xylene | 2.25 | 0.050 | mg/kg | 2.00 | | 112 | 86.1-125 | | | |
| Total Xylenes | 6.81 | 0.150 | mg/kg | 6.00 | | 113 | 88.2-128 | | | |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0511 | | mg/kg | 0.0500 | | 102 | 71.5-134 | | | |
| LCS Dup (4111816-BSD1) | | | | Prepared & | Analyzed: | 18-Nov-2 | 4 | | | |
| Benzene | 2.10 | 0.050 | mg/kg | 2.00 | | 105 | 82.8-130 | 2.28 | 15.8 | |
| Toluene | 2.23 | 0.050 | mg/kg | 2.00 | | 112 | 86-128 | 4.86 | 15.9 | |
| Ethylbenzene | 2.46 | 0.050 | mg/kg | 2.00 | | 123 | 85.9-128 | 8.60 | 16 | |
| m,p-Xylene | 5.02 | 0.100 | mg/kg | 4.00 | | 125 | 89-129 | 9.50 | 16.2 | |
| o-Xylene | 2.47 | 0.050 | mg/kg | 2.00 | | 124 | 86.1-125 | 9.50 | 16.7 | |
| Total Xylenes | 7.49 | 0.150 | mg/kg | 6.00 | | 125 | 88.2-128 | 9.50 | 16.3 | |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0555 | | mg/kg | 0.0500 | | 111 | 71.5-134 | | | |
| | | | | | | | | | | |

Cardinal Laboratories

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



| TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 | Project Number: Project Manager: | CICADA UNIT 022H RELEASE #3 212C-MD-03521 JOHN FAUGHT (432) 682-3946 | Reported: 21-Nov-24 12:10 | |
|---|-------------------------------------|---|------------------------------|--|
|---|-------------------------------------|---|------------------------------|--|

Petroleum Hydrocarbons by GC FID - Quality Control

| Cardinal | Laboratories |
|----------|--------------|
|----------|--------------|

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---------|--------------------|-------|----------------|------------------|-----------|----------------|------|--------------|-------|
| - | ressure | Emit | 0.110 | 20101 | resure | , under | Linito | | 2 | 10005 |
| Batch 4111512 - General Prep - Organics | | | | | | | | | | |
| Blank (4111512-BLK1) | | | | Prepared & | Analyzed: | 15-Nov-24 | ŀ | | | |
| GRO C6-C10 | ND | 10.0 | mg/kg | | | | | | | |
| DRO >C10-C28 | ND | 10.0 | mg/kg | | | | | | | |
| EXT DRO >C28-C36 | ND | 10.0 | mg/kg | | | | | | | |
| Surrogate: 1-Chlorooctane | 50.1 | | mg/kg | 50.0 | | 100 | 48.2-134 | | | |
| Surrogate: 1-Chlorooctadecane | 53.5 | | mg/kg | 50.0 | | 107 | 49.1-148 | | | |
| LCS (4111512-BS1) | | | | Prepared & | Analyzed: | 15-Nov-24 | <u>ا</u> | | | |
| GRO C6-C10 | 212 | 10.0 | mg/kg | 200 | | 106 | 81.5-123 | | | |
| DRO >C10-C28 | 196 | 10.0 | mg/kg | 200 | | 97.8 | 77.7-122 | | | |
| Total TPH C6-C28 | 408 | 10.0 | mg/kg | 400 | | 102 | 80.9-121 | | | |
| Surrogate: 1-Chlorooctane | 56.0 | | mg/kg | 50.0 | | 112 | 48.2-134 | | | |
| Surrogate: 1-Chlorooctadecane | 58.0 | | mg/kg | 50.0 | | 116 | 49.1-148 | | | |
| LCS Dup (4111512-BSD1) | | | | Prepared & | Analyzed: | 15-Nov-24 | ۱ | | | |
| GRO C6-C10 | 208 | 10.0 | mg/kg | 200 | | 104 | 81.5-123 | 2.11 | 13 | |
| DRO >C10-C28 | 192 | 10.0 | mg/kg | 200 | | 95.9 | 77.7-122 | 1.98 | 15.6 | |
| Total TPH C6-C28 | 400 | 10.0 | mg/kg | 400 | | 99.9 | 80.9-121 | 2.05 | 18.5 | |
| Surrogate: 1-Chlorooctane | 51.2 | | mg/kg | 50.0 | | 102 | 48.2-134 | | | |
| Surrogate: 1-Chlorooctadecane | 53.7 | | mg/kg | 50.0 | | 107 | 49.1-148 | | | |

| Blank (4111831-BLK1) | | | | Prepared & Analyzed: 18-Nov-24 | | | | | |
|-------------------------------|------|------|-------|--------------------------------|------|----------|--|--|--|
| GRO C6-C10 | ND | 10.0 | mg/kg | | | | | | |
| DRO >C10-C28 | ND | 10.0 | mg/kg | | | | | | |
| EXT DRO >C28-C36 | ND | 10.0 | mg/kg | | | | | | |
| Surrogate: 1-Chlorooctane | 47.4 | | mg/kg | 50.0 | 94.8 | 48.2-134 | | | |
| Surrogate: 1-Chlorooctadecane | 47.6 | | mg/kg | 50.0 | 95.1 | 49.1-148 | | | |

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*=Accredited Analyte

Celey D. Keene, Lab Director/Quality Manager



| TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 | Project Number: Project Manager: | CICADA UNIT 022H RELEASE #3 212C-MD-03521 JOHN FAUGHT (432) 682-3946 | Reported: 21-Nov-24 12:10 |
|---|-------------------------------------|---|------------------------------|
|---|-------------------------------------|---|------------------------------|

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---|--------|-----------|-------|------------|-----------|-----------|----------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 4111831 - General Prep - Organics | | | | | | | | | | |
| LCS (4111831-BS1) | | | | Prepared & | Analyzed: | 18-Nov-24 | 4 | | | |
| GRO C6-C10 | 191 | 10.0 | mg/kg | 200 | | 95.7 | 81.5-123 | | | |
| DRO >C10-C28 | 191 | 10.0 | mg/kg | 200 | | 95.5 | 77.7-122 | | | |
| Total TPH C6-C28 | 382 | 10.0 | mg/kg | 400 | | 95.6 | 80.9-121 | | | |
| Surrogate: 1-Chlorooctane | 51.1 | | mg/kg | 50.0 | | 102 | 48.2-134 | | | |
| Surrogate: 1-Chlorooctadecane | 49.4 | | mg/kg | 50.0 | | 98.8 | 49.1-148 | | | |
| LCS Dup (4111831-BSD1) | | | | Prepared & | Analyzed: | 18-Nov-24 | 1 | | | |
| GRO C6-C10 | 206 | 10.0 | mg/kg | 200 | | 103 | 81.5-123 | 7.39 | 13 | |
| DRO >C10-C28 | 205 | 10.0 | mg/kg | 200 | | 103 | 77.7-122 | 7.06 | 15.6 | |
| Total TPH C6-C28 | 411 | 10.0 | mg/kg | 400 | | 103 | 80.9-121 | 7.23 | 18.5 | |
| Surrogate: 1-Chlorooctane | 56.5 | | mg/kg | 50.0 | | 113 | 48.2-134 | | | |
| Surrogate: 1-Chlorooctadecane | 55.8 | | mg/kg | 50.0 | | 112 | 49.1-148 | | | |

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

| S-06 | The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's. |
|--------|--|
| S-04 | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. |
| GC-NC1 | 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds. |
| GC-NC | 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND. |
| BS-3 | Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected. |
| BS1 | Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high. |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C |
| | Samples reported on an as received basis (wet) unless otherwise noted on report |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

| TŁ | Tetra Tech, Inc. | | | 1 | Midland Tel (43 | all Stree d,Texas (32) 682 (32) 682 | 79701 -4559 | 00 | | | | | | | | | | | | | | | |
|----------------------------------|--|---------------|-------|---------------|--------------------|--|----------------|------------------|------------|----------------|--|--------------------------------|--|-------------------------------------|---------------------|-------------------|-----------|------------|--------------|----------------------|---|--------------------------|-------|
| ient Name: | Chevron | Site Manager: | | John I | Faug | ght | | | | | | | | | NAL | | | | EST thoo | | | 18:31 | |
| oject Name: | Cicada Unit 022H Release #3 | | | | | | | * | | | | | | | | | | | | | | | X |
| oject Location: ounty, state) | Eddy County, TX | Project #: | | 21 | 2C-N | MD-0 | 0352 | 1 | | | | | | | | | | | | | ist) | | 1 |
| voice to: | john.faught1@tetratech.com; OGA.ECS.AccountsPayable@tetratech.com | | | | | | F | Req # " | TBD | | | ARO) | đ | ВН | | | | | | | ached | 0000 | |
| ceiving Labora | | Sampler Signa | ture: | | | | | | | | | ORO - N | Pb Se | r Pb Se | | | 25 | | | | see att | | |
| mments: | | | | | | | | | | | (8260B 335) | DRO - (| Cd Cr | a Cd C | | 624 | 8270C/62 | | | 4500 9 TDS | nistry (| 8 | |
| | Email: john.faught1@tetratech.com; clair.gonzales@tetratech | .com SAMP | LING | MATE | RIX | PR | METH | ATIVE OD | RS | (N) | (8021B BTEX 82 TX1005 (Ext to C35) | 8015M (GRO - DRO - ORO - MRO) | Ag As Ba | TCLP Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Semi Volatiles | 8260B / 624 | | 608 | | SM fate | General Water Chemistry (see attached list) Anion/Cation Balance | 4 TPH, BTEX | |
| LAB# | SAMPLE IDENTIFICATION | YEAR: | | ж | | | | | CONTAINERS | FILTERED (Y/N) | 8021B X1005 | 015M (| 8270C Metals / | Metals | TCLP Semi Vo | | Sem | 8082 / 608 | (Asbestos) | 8 | ral Wat | 1- | |
| LAB USE ONLY | | DATE | TIME | WATEF SOIL | | HCL | ICE 03 | | # CON | FILTE | BTEX 8021B TPH TX1005 | | Total N | TCLP | TCLP | RCI GC/MS Vol. | GC/MS | PCB's | PLM (| Chloride Chloride | Gener | C | Ford |
| 1 | PH-1 (11') | 11/14/2024 | | X | | | Х | | 1 | | X | X | | П | | | | | ++ | x | | | + |
| 2 | PH-1 (12') | 11/14/2024 | | X | | \square | X | \square | 1 | | X | X | + | \square | + | - | \square | | ++ | × | \square | - M | + |
| 2 | H-8.3 (0-1') | 11/15/2024 | | X | | \square | X | \square | 1 | 1 | X | X | + | \square | + | + | ++ | + | +++ | × | ++ | H | + |
| 4 | H-9.3 (0-1') | 11/15/2024 | | X | | \square | X | \square | 1 | | X | X | + | \square | + | \vdash | + | | ++ | × | ++ | +++ | 2 |
| 5 | AH-3 (0-0.5') | 11/15/2024 | | X | | Ц | Х | \square | 1 | | X | X | _ | \square | + | | + | | ++ | × | ++ | +++ | + |
| 10 | AH-3 (1') | 11/15/2024 | | Х | | \square | Х | \square | 1 | | X | X | + | \square | + | \square | \square | \vdash | ++ | × | ++ | +++ | + |
| 7 | AH3 (2') | 11/15/2024 | | X | \square | \square | X | $\left \right $ | 1 | - | × | X | + | \mathbb{H} | + | + | Н | + | H | × | ++ | $\left \right \right $ | + |
| | | | | ++ | Н | \mathbb{H} | + | ++ | + | \vdash | + | Ħ | + | H | | + | Η | \square | \mathbf{H} | + | | | \pm |
| | | | | | | | | | | | | | | | | | | | | | | | |
| linquished b | | Received by | | | | Date: | | Time: | 13 | 45 | 1 | | USE | | REMA | RKS: | | | | | | succes | |
| MANT | 11-15-24 1344 | SKA | dre | OM | el | V | 1+1 | 5.0 | 24 | | | ON | LY | | E | | | | - | | | r 72 hr | |
| linquished b | | Received by | | , | (| gate: | | Time: | | | Samp | | | ire | UX. | RUS | | ame | Day | 24 m | | 7211 | |
| | | | | | | | | | | | 2. | 8: | 2.0 | .10 | | Rush | h Cha | rges | Author | rized | | | |
| elinquished b | y: Date: Time: | Received by | | | | Date | | Time: | | 0 | | 22 | · . | | | Spec | ial R | eport | Limits | or TF | RRP Re | port | |
| | | - | | | - | | | | - | - | | | And in case of the local division of the loc | LIVER | ED F | EDEX | UP | S TI | racking | #: | | | |



November 22, 2024

JOHN FAUGHT TETRA TECH 901 WEST WALL STREET , STE 100 MIDLAND, TX 79701

RE: CICADA UNIT 022H RELEASE #3

Enclosed are the results of analyses for samples received by the laboratory on 11/21/24 13:24.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



TETRA TECH JOHN FAUGHT 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

| Received: | 11/21/2024 | Sampling Date: | 11/21/2024 |
|-------------------|-----------------------------|---------------------|------------------|
| Reported: | 11/22/2024 | Sampling Type: | Soil |
| Project Name: | CICADA UNIT 022H RELEASE #3 | Sampling Condition: | Cool & Intact |
| Project Number: | 212C-MD-03521 | Sample Received By: | Shalyn Rodriguez |
| Project Location: | CHEVRON - EDDY COUNTY, TX | | |

Sample ID: BH - 2 (7') (H247138-01)

| BTEX 8021B | mg | /kg | Analyze | d By: JH | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 11/21/2024 | ND | 1.99 | 99.4 | 2.00 | 3.25 | |
| Toluene* | <0.050 | 0.050 | 11/21/2024 | ND | 2.03 | 102 | 2.00 | 3.21 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/21/2024 | ND | 2.00 | 100 | 2.00 | 3.45 | |
| Total Xylenes* | <0.150 | 0.150 | 11/21/2024 | ND | 5.95 | 99.1 | 6.00 | 3.42 | |
| Total BTEX | <0.275 | 0.275 | 11/21/2024 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 | % 71.5-13 | 4 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: KV | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 11/22/2024 | ND | 432 | 108 | 400 | 0.00 | |
| ТРН ТХ1005 | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C12 | <25.0 | 25.0 | 11/21/2024 | ND | 204 | 102 | 200 | 0.830 | |
| DRO >C12-C28 | <25.0 | 25.0 | 11/21/2024 | ND | 190 | 95.2 | 200 | 1.92 | |
| DRO >C28-C35 | <25.0 | 25.0 | 11/21/2024 | ND | | | | | |
| Total TPH C6-C35* | <25.0 | 25.0 | 11/21/2024 | ND | 395 | 98.8 | 400 | 1.30 | |
| Surrogate: 1-Chlorooctane | 86.0 | % 48.6-15 | 3 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 76.3 | % 41.9-17 | 0 | | | | | | |

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

| ND | Analyte NOT DETECTED at or above the reporting limit |
|-----|---|
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500CI-B does not require samples be received at or below 6°C |

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record

| _ | | | - | |
|------|---|-----|---|---|
| Page | - | 1 0 | f | 4 |

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| 5 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | - | | | |
|-------------------------------------|-------------|--|-----------------|-----------|-------------|----------|-------------------------------|------|----------|------------------|---|--|--|----------|------------|--|-------------|--------------------------------------|----------------|---------------------|------------------|--------------------------------------|----------------------|----------------|----------------|-----------|---|-----------|-------------------------|
| Page 106 | | Tetra Tech | ı, Inc | 2. | | | | 901 | Mic T | lland el (43 | , Tex 32) 68 | reet, S as 79 82-45 82-39 | 59 | 00 | | | | | | | | | | | | | | | Page 4 of 4 |
| Client Name: | | Chevron | | | Site Manag | er: | Joh | n Fa | ught | | | | | | | | | 0: | | | LYS | | | | | | | | |
| Project Name: | | Cicada Unit 022H Release #3 | | | Contact Inf | 0: | | | | | | | | | 1 | 1 | (| | | or | Spe | | ry IV | | noc | d No | 5.) | | |
| Project Location (county, state) | n: | Eddy County, TX | | | Project #: | | 212 | 2C-M | D-03 | 521 | | | | | 1 | | | | | | | | | | | | | | |
| Invoice to: | | John.faught1@tetratech.com; OGA.ECS.AccountsPayable@t | tetratech.com | 1 | | | | | Req | # TB | D | | | N. | 1 | | | | | | | | | | | | ist) | | |
| Receiving Labo | ratory: | Cardinal Laboratories | | | Sampler Si | gnature: | | Matt | thew | Casti | rejon | | | | 1 | 0 - MRC | | Se Hg | Se Hg | | | | | | | | attached list) | | |
| Comments: | Email: john | .faught1@tetratech.com; clair.go | nzales@tetra | atech.com | | | | | | | | | | | 8260B | (EXT 10 C35) GRO - DRO - ORO - MRO) | | Cd Cr Pb | | | 70 | 8270C/625 | | | | | see | | |
| H247138 | | | | | SAM | PLING | MATRIX PRESERVATIVE METHOD | | | (N/A) | BTEX | TX1005 (Ext to C35) 8015M (GRO - DRC | | As Ba (| g AS Da | atiles | 8260B / 624 | out 827 | 80 | | | | Chemistry 3alance | | 0 | | | | |
| LAB # | | SAMPLE IDENTIFICAT | ΓΙΟΝ | | YEAR: 2024 | | | | Т | | | | AINE | D | E B | | 1 1 | IIs Ag | Volatiles | li Vol | | mi. V | 82 / 6 | estos | 0.00 | Sulfate | on Bá | ۲. I | M450 |
| (LAB USE) | | | | | DATE | TIME | WATER | SOIL | HCL | HNO ₃ | | NONE | # CONTAINERS | FILTERED | BTEX 8021B | TPH 8015M (| PAH 8270C | Total Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Volatiles | TCLP Semi Volatiles | RCI GC/MS Vol | GC/MS Semi. Vol. | PCB's 8082 / 608 | PLM (Asbestos) | Chloride 300.0 | Chloride | General Water Chemi Anion/Cation Balance | TPH 8015R | Chloride SM4500 HOLD |
| | | BH-1(12.5) | MAL 10 | -21-24 | 11/21/24 | | | х | | | X | | 1 | - | * | * | - 14 | 14 | ·n | Z | 1-2 | and the owner where the party is not | | | | | T | 4 | × |
| | | BH-2 (7') | | | 11/21/24 | | \square | х | | | X | | 1 | | X | X | Π | | | | | | \square | \top | \top | Π | \top | | x |
| | | | | | | | | | | | | | | | | - | 8 | in | 22 | 25 | | | \square | 1 | \top | \square | | \square | \top |
| | | | | | | | | | | | | | | | | | Π | | 1 | | | | \square | T | | Π | | Π | + |
| | | | 2 | | | | | | | | | | | | | | Π | | | | | | Π | | | \square | | | |
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| 30 | | 1 E. | | | 2000 | | | | | | | | | | | | | | | | | | | | | | | | |
| 13. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| elinquished by: | tv lle | Date: | Time: 1-24 1 | 1324 | Received by | de | m | 10 | ء را | ate: | | Time: | 13 | 24 | ' | | US | E | RI | _ | Stand | | | 6 | ~ | | | | |
| elinquished by: | | Date: | Time: | | Received by | 0100 | 10 | | y c | ate: | Statements of the local division in which the local division in the local division in the local division in the | Time: | the subscription of the su | | Sam | | | atura | K | X | RUSH |). Sa | me Da | ay (C | 4 hr | 48 hr | r. 72 | hr. | |
| | | | | | | | | | | | | | | | 2.1 | |) | ature | T | | _ | ~ | | | | / | | | |
| Belinquished by: | | Date: | Time: | | Received by | : | | | [| ate: | | Time: | | | 1 | 1 | 5-0 | .0. | 4 | | Rush | Charg | jes Au | thoriz | ed | | | | |
| | | | | | | | | | | | | | | | C1. | ri | #1 | 4 | 2 | | Specia | al Rep | oort Lir | nits o | r TRR | RP Rep | ort | | |
| we | | | | | ORIGINA | AL COPY | | | | | | | | | (Circ | le) H | AND | DELI | VER | ED I | FEDE | хu | PS | Trac | king # | k: | | | |
| Kecewellby | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

| Page | 16 |)7 | of | 114 | |
|------|----|----|----|-----|--|
|------|----|----|----|-----|--|

QUESTIONS

Action 412451

| QUESTIONS | | | | | |
|---------------------|--|--|--|--|--|
| Operator: | OGRID: | | | | |
| CHEVRON U S A INC | 4323 | | | | |
| 6301 Deauville Blvd | Action Number: | | | | |
| Midland, TX 79706 | 412451 | | | | |
| | Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan) | | | | |

QUESTIONS

| Prerequisites | |
|------------------|---|
| Incident ID (n#) | nAPP2420727981 |
| Incident Name | NAPP2420727981 CICADA UNIT #022H @ 30-015-45423 |
| Incident Type | Produced Water Release |
| Incident Status | Remediation Plan Received |
| Incident Well | [30-015-45423] CICADA UNIT #022H |
| | |

Location of Release Source

| Please | answer | all the | questions | in this | group. |
|--------|--------|---------|-----------|---------|--------|
| | | | | | |

| Site Name | CICADA UNIT #022H | | | | |
|-------------------------|-------------------|--|--|--|--|
| Date Release Discovered | 07/20/2024 | | | | |
| Surface Owner | Federal | | | | |

Incident Details

| Please answer all the questions in this group. | | | | | | |
|---|------------------------|--|--|--|--|--|
| Incident Type | Produced Water Release | | | | | |
| Did this release result in a fire or is the result of a fire | No | | | | | |
| Did this release result in any injuries | No | | | | | |
| Has this release reached or does it have a reasonable probability of reaching a watercourse | No | | | | | |
| Has this release endangered or does it have a reasonable probability of endangering public health | No | | | | | |
| Has this release substantially damaged or will it substantially damage property or the environment | No | | | | | |
| Is this release of a volume that is or may with reasonable probability be detrimental to fresh water | No | | | | | |

Nature and Volume of Release

| Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission. | | | | | |
|--|--|--|--|--|--|
| Crude Oil Released (bbls) Details | Cause: Corrosion Flow Line - Production Crude Oil Released: 2 BBL Recovered: 0 BBL Lost: 2 BBL. | | | | |
| Produced Water Released (bbls) Details | Cause: Corrosion Flow Line - Production Produced Water Released: 9 BBL Recovered: 0 BBL Lost: 9 BBL. | | | | |
| Is the concentration of chloride in the produced water >10,000 mg/l | Yes | | | | |
| Condensate Released (bbls) Details | Not answered. | | | | |
| Natural Gas Vented (Mcf) Details | Not answered. | | | | |
| Natural Gas Flared (Mcf) Details | Not answered. | | | | |
| Other Released Details | Not answered. | | | | |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts) | Not answered. | | | | |

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

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| QUESTIONS (continued) | | | | | |
|-----------------------|--|--|--|--|--|
| Operator: | OGRID: | | | | |
| CHEVRON U S A INC | 4323 | | | | |
| 6301 Deauville Blvd | Action Number: | | | | |
| Midland, TX 79706 | 412451 | | | | |
| | Action Type: | | | | |
| | [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan) | | | | |

QUESTIONS

| Nature and Volume of Release (continued) | | | | | | |
|---|---|--|--|--|--|--|
| Is this a gas only submission (i.e. only significant Mcf values reported) | No, according to supplied volumes this does not appear to be a "gas only" report. | | | | | |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC | No | | | | | |
| Reasons why this would be considered a submission for a notification of a ma release | jor Unavailable. | | | | | |
| With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form. | | | | | | |

| Initial Response | | | | | | |
|---|--|--|--|--|--|--|
| The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury. | | | | | | |
| The source of the release has been stopped True | | | | | | |
| The impacted area has been secured to protect human health and the environment | True | | | | | |
| Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices | True | | | | | |
| All free liquids and recoverable materials have been removed and managed appropriately True | | | | | | |
| If all the actions described above have not been undertaken, explain why Not answered. Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission. | | | | | | |
| 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 requilations. | | | | | | |
| I hereby agree and sign off to the above statement | Name: Kennedy Lincoln Title: Environmental Specialist Email: kennedy.lincoln@chevron.com Date: 07/25/2024 | | | | | |

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| QUESTIONS (continued) | | | | | |
|-----------------------|----------------|--|--|--|--|
| | OGRID: | | | | |
| CHEVRON U S A INC | 4323 | | | | |
| 6301 Deauville Blvd | Action Number: | | | | |
| Midland, TX 79706 | 412451 | | | | |

Action Type:

[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Operator:

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

| What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs) | Between 51 and 75 (ft.) |
|--|---------------------------------|
| What method was used to determine the depth to ground water | NM OSE iWaters Database Search |
| Did this release impact groundwater or surface water | No |
| What is the minimum distance, between the closest lateral extents of the release an | nd the following surface areas: |
| A continuously flowing watercourse or any other significant watercourse | Greater than 5 (mi.) |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark) | Greater than 5 (mi.) |
| An occupied permanent residence, school, hospital, institution, or church | Greater than 5 (mi.) |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes | Between 1 and 5 (mi.) |
| Any other fresh water well or spring | Between 1 and 5 (mi.) |
| Incorporated municipal boundaries or a defined municipal fresh water well field | Greater than 5 (mi.) |
| A wetland | Between ½ and 1 (mi.) |
| A subsurface mine | Greater than 5 (mi.) |
| An (non-karst) unstable area | Greater than 5 (mi.) |
| Categorize the risk of this well / site being in a karst geology | High |
| A 100-year floodplain | Between ½ and 1 (mi.) |
| Did the release impact areas not on an exploration, development, production, or storage site | No |

Remediation Plan

| Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date. | | | |
|---|--|---|--|
| Requesting a remediation plan approval with this submission | | Yes | |
| Attach a comprehensive report d | lemonstrating the lateral and vertical extents of soil contamination | on associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC. | |
| Have the lateral and vertic | cal extents of contamination been fully delineated | Yes | |
| Was this release entirely | contained within a lined containment area | No | |
| Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.) | | | |
| Chloride | (EPA 300.0 or SM4500 CI B) | 15800 | |
| TPH (GRO+DRO+MRO) | (EPA SW-846 Method 8015M) | 20720 | |
| GRO+DRO | (EPA SW-846 Method 8015M) | 18400 | |
| BTEX | (EPA SW-846 Method 8021B or 8260B) | 60.7 | |
| Benzene | (EPA SW-846 Method 8021B or 8260B) | 0 | |
| Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation. | | | |
| On what estimated date will the remediation commence | | 01/06/2025 | |
| On what date will (or did) the final sampling or liner inspection occur | | 01/06/2025 | |
| On what date will (or was) the remediation complete(d) | | 01/13/2025 | |
| What is the estimated surface area (in square feet) that will be reclaimed | | 4250 | |
| What is the estimated volume (in cubic yards) that will be reclaimed | | 285 | |
| What is the estimated surface area (in square feet) that will be remediated | | 4250 | |
| What is the estimated volume (in cubic yards) that will be remediated 28 | | 285 | |
| These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed. | | | |

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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| QUESTIC | IS (continued) | |
|---|--|------------------------------|
| Operator: CHEVRON U S A INC | OGRID: 4323 | |
| 6301 Deauville Blvd Midland, TX 79706 | Action Number: 412451 | |
| | Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plar | ı) |
| QUESTIONS | | |
| Remediation Plan (continued) | | |
| Please answer all the questions that apply or are indicated. This information must be provided to the | propriate district office no later than 90 days after the release discovery date. | |
| This remediation will (or is expected to) utilize the following processes to remediate | educe contaminants: | |
| (Select all answers below that apply.) | | |
| (Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.) | /es | |
| Which OCD approved facility will be used for off-site disposal | lot answered. | |
| OR which OCD approved well (API) will be used for off-site disposal | lot answered. | |
| OR is the off-site disposal site, to be used, out-of-state | /es | |
| In which state is the disposal taking place | exas | |
| What is the name of the out-of-state facility | R360 Halfway | |
| OR is the off-site disposal site, to be used, an NMED facility | 10 | |
| (Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms) | lo | |
| (In Situ) Soil Vapor Extraction | 10 | |
| (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.) | ło | |
| (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.) | 10 | |
| (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.) | 10 | |
| Ground Water Abatement pursuant to 19.15.30 NMAC | 10 | |
| OTHER (Non-listed remedial process) | 10 | |
| Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed eff which includes the anticipated timelines for beginning and completing the remediation. | s at remediation, the report must include a proposed remediation plan in accordance with 19 |).15.29.12 NMAC, |
| I hereby certify that the information given above is true and complete to the best of my ki to report and/or file certain release notifications and perform corrective actions for release the OCD does not relieve the operator of liability should their operations have failed to a water, human health or the environment. In addition, OCD acceptance of a C-141 report | s which may endanger public health or the environment. The acceptance of a C quately investigate and remediate contamination that pose a threat to groundwa | -141 report by ater, surface |

local laws and/or regulations.

| I hereby agree and sign off to the above statement | Name: Kennedy Lincoln Title: Environmental Specialist Email: kennedy.lincoln@chevron.com Date: 12/16/2024 |
|--|--|
|--|--|

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

QUESTIONS, Page 4

Action 412451

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| QUESTIONS (continued) | | |
|--|--|--|
| Operator: CHEVRON U S A INC | OGRID: 4323 | |
| 6301 Deauville Blvd Midland, TX 79706 | Action Number: 412451 | |
| | Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan) | |
| QUESTIONS | | |

| Deferral | Requests | Only |
|----------|----------|------|

| Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation. | | |
|--|----|--|
| Requesting a deferral of the remediation closure due date with the approval of this submission | Νο | |

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QUESTIONS (continued)

| Operator: | OGRID: |
|---------------------|--|
| CHEVRON U S A INC | 4323 |
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| Midland, TX 79706 | 412451 |
| | Action Type: |
| | [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan) |

QUESTIONS

| Sampling Event Information | | |
|---|------------|--|
| Last sampling notification (C-141N) recorded | 404921 | |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 11/21/2024 | |
| What was the (estimated) number of samples that were to be gathered | 1 | |
| What was the sampling surface area in square feet | 200 | |
| | | |

Remediation Closure Request

 Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

 Requesting a remediation closure approval with this submission

 No

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Action 412451

COMMENTS
Operator:
CHEVRON U S A INC
6301 Deauville Blvd
Midland, TX 79706
Action Number:
412451
Action Type:
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)
COMMENTS

Created By Comment Date csmith Returned to OCD Review, Typo's in COA's.

Released to Imaging: 1/9/2025 8:46:18 AM

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| | Action Type: |
| | [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan) |

| CONDITIONS | | |
|--------------|--|-------------------|
| Create By | d Condition | Condition Date |
| nvele | z The remediation plan is approved as written. Chevron has 90-days (April 9, 2025) to submit to OCD its appropriate or final remediation closure report. | 1/9/2025 |

CONDITIONS

Action 412451