

August 22, 2019

Mike Bratcher NMOCD District 2 811 South First Street Artesia, NM 88210

Ryan Mann New Mexico State Land Office 2827 N. Dal Paso Suite 117 Hobbs, NM 88240

Closure Report Gillespie State #001 Battery API#: 30-015-23863 RP#: 2RP-5232 DOR: January 23. 2019 GPS: 32.80989, -104.15767 Unit Letter A, Section 27, Township 17 South, Range 28 East Eddy County, New Mexico

To Whom It May Concern,

COG Operating, LLC (COG) is pleased to submit the following closure report in response to a release that occurred at the Gillespie State #001 Battery.

BACKGROUND

The release was discovered on January 23, 2019 and a C-141 initial report was submitted to the New Mexico Oil Conservation Division (NMOCD) and the New Mexico State Land Office (NMSLO). A hole developed in the bottom of the oil tank and resulted in the release of approximately sixty-five (65) barrels (bbls) of oil with sixty (60) bbls recovered.

GROUNDWATER AND REGULATORY FRAMEWORK

According to the USGS National Water Information System, the nearest active water well (USGS 324858104091901) is located approximately 0.39 miles northeast of the release point and indicates that groundwater in the project vicinity is approximately seventy-eight (78) feet below ground surface (BGS). The water well information is shown in Appendix B.

A risk based evaluation and site determinations were performed in accordance to the New Mexico Oil Conservation Division (NMOCD) Rule (Title 19 Chapter 15 Part 29) for releases on oil and gas development and production in New Mexico (effective August 14, 2018). According to the site

One Concho Center | 600 West Illinois Avenue | Midland, Texas 79701 | P 432.683.7443 | F 432.683.7441

9DUCH-190823-C-1410

characterization evaluation, the release did not occur within any areas of concern. No other receptors (water wells, playas, water course, lake beds or ordinance boundaries) were located within each specific boundaries or distance from the site. The groundwater data and the site characterization evaluation data is summarized in Appendix B. The delineation and closure criteria are listed below:

General Site Characterization and Groundwater:

| Site Characterization | Average Groundwater Depth (ft.) |
|-----------------------|---------------------------------|
| NA | 51 – 100 feet |

Delineation and Closure Criteria:

| Recommended Remedial Action Levels (RRALs) | | |
|--|--------------|--|
| Chlorides | 10,000 mg/kg | |
| TPH (GRO and DRO and MRO) | 2,500 mg/kg | |
| TPH (GRO and DRO) | 1,000 mg/kg | |
| Benzene | 10 mg/kg | |
| Total BTEX | 50 mg/kg | |

REMEDIAL ACTIONS

- The impacted area was excavated to depths from four (4) to five and a half (5.5) feet BGS.
- All of the excavated material was hauled to an NMOCD approved solid waste disposal facility.
- Confirmation soil samples were collected every 200 square feet to ensure proper removal of the impacted soils.
- The site was backfilled with caliche and contoured to match the surrounding location.

SITE RECLAMATION AND RESTORATION

All of the fluid remained on the well pad. No reclamation activities will be required at this site.

CLOSURE REQUEST

COG Operating, LLC respectfully requests that the NMOCD and the NMSLO grant closure approval for the Gillespie State #001 Battery incident that occurred on January 23, 2019. Should you have any questions or concerns please do not hesitate to contact me.

Sincerely,

Deator New

Dakota Neel HSE Coordinator Dneel2@concho.com

FIGURES





Gillespie State Oil Battery

TABLES

Table 1COG Operating LLC.Gillespie State #001 BatteryEddy County, New Mexico

| Sample ID Sample | | Sample Date | Soil Status TPH (mg/kg) | | | | Benzene | Total BTEX | Chloride | | |
|------------------|---------------|-------------|-------------------------|---------|-------|-------|---------|------------|----------|---------|---------|
| Sample ID | Depth (ft) | Sample Date | In-Situ | Removed | GRO | DRO | MRO | Total | (mg/kg) | (mg/kg) | (mg/kg) |
| MOCD RRAL L | imits (mg/kg) | | | | - | - | - | 100 | 10 | 50 | 600 |
| BTTM- 1 | 4 | 6/26/2019 | Х | | <10.0 | 35.9 | <10.0 | 35.9 | < 0.050 | <0.050 | 32 |
| BTTM- 2 | 4 | 6/26/2019 | Х | | <10.0 | 58.4 | <10.0 | 58.4 | < 0.050 | < 0.050 | 80 |
| BTTM- 3 | 4 | 6/26/2019 | Х | | <10.0 | <10.0 | <10.0 | 0.0 | < 0.050 | < 0.050 | 32 |
| BTTM -4 | 4 | 6/26/2019 | | Х | <10.0 | 96.8 | 17.3 | 114.1 | < 0.050 | < 0.050 | 400 |
| BTTM -4 | 4.5 | 7/11/2019 | Х | | <10.0 | 27.8 | <10.0 | 27.8 | - | - | - |
| BTTM-5 | 4 | 6/26/2019 | Х | | <10.0 | <10.0 | <10.0 | 0.0 | < 0.050 | < 0.050 | 48 |
| BTTM-6 | 4 | 6/26/2019 | | Х | <10.0 | 104 | 33.5 | 137.5 | < 0.050 | < 0.050 | 48 |
| BTTM-6 | 5 | 7/11/2019 | Х | | <10.0 | 45.8 | 33.5 | 79.3 | - | - | - |
| BTTM-7 | 5 | 6/26/2019 | | Х | <10.0 | 480 | 266 | 746.0 | < 0.050 | < 0.050 | 656 |
| BTTM-7 | 5.5 | 7/11/2019 | Х | | <10.0 | 52.2 | 14.6 | 66.8 | < 0.050 | < 0.050 | 160 |
| BTTM-8 | 5 | 6/26/2019 | | Х | <10.0 | 130 | 46.5 | 176.5 | < 0.050 | < 0.050 | 608 |
| BTTM-8 | 5.5 | 7/11/2019 | Х | | <10.0 | <10.0 | <10.0 | 0.0 | - | - | 32 |
| BTTM-9 | 4 | 6/26/2019 | | Х | <10.0 | 85.5 | 33.3 | 118.8 | < 0.050 | < 0.050 | 48 |
| BTTM-9 | 5 | 7/11/2019 | Х | | <10.0 | 45.9 | 20.5 | 66.4 | - | - | - |
| BTTM-10 | 4 | 6/26/2019 | Х | | <10.0 | <10.0 | <10.0 | 0.0 | < 0.050 | < 0.050 | 32 |
| BTTM-11 | 4 | 6/26/2019 | | Х | <10.0 | 649 | 251 | 900.0 | < 0.050 | < 0.050 | 96 |
| BTTM-11 | 5 | 7/11/2019 | Х | | <10.0 | <10.0 | <10.0 | 0.0 | - | - | - |
| BTTM-12 | 4 | 6/26/2019 | Х | | <10.0 | 13.5 | <10.0 | 13.5 | < 0.050 | < 0.050 | 128 |
| S 1 | N/A | 6/26/2019 | | Х | <10.0 | 129 | 61.2 | 190.2 | < 0.050 | < 0.050 | 416 |
| S1 | N/A | 7/11/2019 | Х | | <10.0 | <10.0 | <10.0 | 0.0 | - | - | - |
| S 2 | N/A | 6/26/2019 | | Х | <10.0 | 244 | 112 | 356.0 | < 0.050 | < 0.050 | 64 |
| S 2 | N/A | 7/11/2019 | Х | | <10.0 | <10.0 | <10.0 | 0.0 | - | - | - |
| S 3 | N/A | 6/26/2019 | | Х | <10.0 | 81.5 | 41.2 | 122.7 | < 0.050 | < 0.050 | 64 |
| S 3 | N/A | 7/11/2019 | Х | | <10.0 | <10.0 | <10.0 | 0.0 | - | - | - |
| S 4 | N/A | 6/26/2019 | | Х | <10.0 | 125 | 75.8 | 200.8 | < 0.050 | < 0.050 | 32 |
| S 4 | N/A | 7/11/2019 | Х | | <10.0 | <10.0 | <10.0 | 0.0 | - | - | - |
| S 5 | N/A | 6/26/2019 | | Х | <10.0 | 327 | 106 | 433.0 | < 0.050 | < 0.050 | 336 |
| S 5 | N/A | 7/11/2019 | Х | | <10.0 | <10.0 | <10.0 | 0.0 | - | - | - |
| S 6 | N/A | 6/26/2019 | | Х | <10.0 | 330 | 121 | 451.0 | < 0.050 | < 0.050 | 256 |
| S 6 | N/A | 7/11/2019 | | Х | <10.0 | 300 | 75.1 | 375.1 | - | - | - |
| S 6 | N/A | 7/16/2019 | Х | | <10.0 | 11.6 | <10.0 | 11.6 | - | - | - |
| S 7 | N/A | 6/26/2019 | Х | | <10.0 | <10.0 | <10.0 | 0.0 | < 0.050 | < 0.050 | 144 |
| S 8 | N/A | 6/26/2019 | Х | | <10.0 | <10.0 | <10.0 | 0.0 | < 0.050 | < 0.050 | 144 |
| S 9 | N/A | 6/26/2019 | | Х | <10.0 | 70.4 | 31.8 | 102.2 | < 0.050 | <0.050 | 48 |
| S 9 | N/A | 7/11/2019 | Х | | <10.0 | 54.2 | 17.5 | 71.7 | - | - | - |
| S 10 | N/A | 6/26/2019 | Х | | <10.0 | 22.4 | <10.0 | 22.4 | < 0.050 | < 0.050 | 48 |

APPENDIX A

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

)

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

Release Notification

Responsible Party

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

Location of Release Source

(NAD 83 in decimal degrees to 5 decimal places)

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

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

Surface Owner: State Federal Tribal Private (Name: _

Nature and Volume of Release

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

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

Page 2

State of New Mexico Oil Conservation Division

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

| Was this a main n | IFVEC for sub-t-manager (-) does the manager it is material within a main malager 2 |
|--------------------------|---|
| Was this a major | If YES, for what reason(s) does the responsible party consider this a major release? |
| release as defined by | |
| 19.15.29.7(A) NMAC? | |
| | |
| Yes No | |
| | |
| | |
| | |
| | |
| If YES, was immediate no | otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? |
| | |
| | |
| | |

Initial Response

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

The source of the release has been stopped.

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

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

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

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

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

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

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

State of New Mexico Oil Conservation Division

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

Site Assessment/Characterization

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

| What is the shallowest depth to groundwater beneath the area affected by the release? | <u>78</u> (ft bgs) |
|---|--------------------|
| Did this release impact groundwater or surface water? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within 300 feet of a wetland? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release overlying a subsurface mine? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within a 100-year floodplain? | 🗌 Yes 🛛 No |
| Did the release impact areas not on an exploration, development, production, or storage site? | 🗌 Yes 🔀 No |

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

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

Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.

Field data

Data table of soil contaminant concentration data

Depth to water determination

Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release

Boring or excavation logs

Photographs including date and GIS information

Topographic/Aerial maps

Laboratory data including chain of custody

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

| Form C-141 Page 4 | State of New Mexico Oil Conservation Division | Incident ID District RP Facility ID Application ID | |
|--|--|---|--|
| regulations all operato public health or the er failed to adequately ir addition, OCD accept and/or regulations. | he information given above is true and complete to the best of my ors are required to report and/or file certain release notifications a nvironment. The acceptance of a C-141 report by the OCD does nvestigate and remediate contamination that pose a threat to group ance of a C-141 report does not relieve the operator of responsibility Dakota Neel | and perform corrective actions for release not relieve the operator of liability should ndwater, surface water, human health or t ility for compliance with any other federa | s which may endanger d their operations have the environment. In |
| Printed Name: | Dakota Neel Title: Date: | HSE Coordinator | |
| Signature: | Date: 2 | 8/22/2019 | |
| email:dneel2 | Ceconcho.com Telepho | one: <u>575-746-2010</u> | |
| OCD Only | | | |
| Received by: | I | Date: | |

State of New Mexico Oil Conservation Division

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

Closure

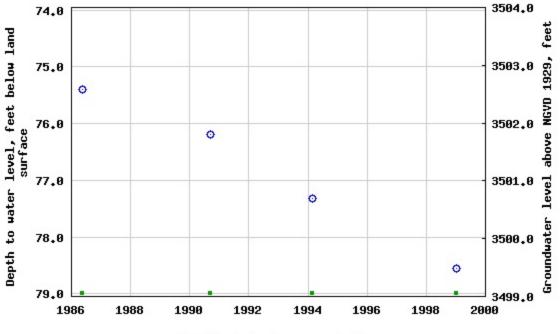
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report. A scaled site and sampling diagram as described in 19.15.29.11 NMAC Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) Description of remediation activities I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. Dakota Neel Printed Name: _____ Title: _____ HSE Coordinator Date: 8-22-2019 Signature: _____ email: Dneel2@concho.com Telephone: 575-746-2010 OCD Only Received by: _____ Date: Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. Closure Approved by: _____ Date: _____ Printed Name: Title:

APPENDIX B



USGS 324855104093101 17S.28E.22.34242



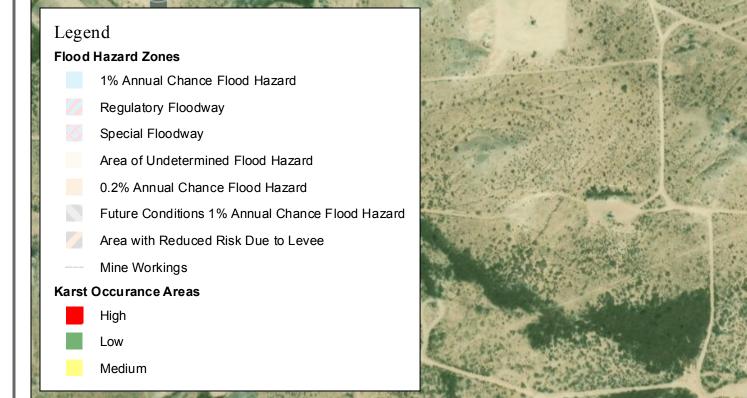
Period of approved data





Gillespie State Oil Battery

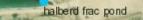






IMAN

ng phillips state batten



Gillespie State Oil Battery



APPENDIX C



June 28, 2019

DAKOTA NEEL

COG OPERATING

P. O. BOX 1630

ARTESIA, NM 88210

RE: GILLESPIE STATE OIL BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/27/19 11:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| Received: | 06/27/2019 | Sampling Date: | 06/26/2019 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 06/28/2019 | Sampling Type: | Soil |
| Project Name: | GILLESPIE STATE OIL BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: S 1 (H902206-01)

| BTEX 8021B | mg | 'kg | Analyze | d By: BF | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/27/2019 | ND | 1.80 | 90.2 | 2.00 | 2.40 | |
| Toluene* | <0.050 | 0.050 | 06/27/2019 | ND | 1.79 | 89.5 | 2.00 | 2.48 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/27/2019 | ND | 1.70 | 85.0 | 2.00 | 0.508 | |
| Total Xylenes* | <0.150 | 0.150 | 06/27/2019 | ND | 5.15 | 85.8 | 6.00 | 0.0404 | |
| Total BTEX | <0.300 | 0.300 | 06/27/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 | 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 416 | 16.0 | 06/27/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/27/2019 | ND | 197 | 98.3 | 200 | 1.94 | |
| DRO >C10-C28* | 129 | 10.0 | 06/27/2019 | ND | 195 | 97.4 | 200 | 0.756 | |
| EXT DRO >C28-C36 | 61.2 | 10.0 | 06/27/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 66.1 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 86.3 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| Received: | 06/27/2019 | Sampling Date: | 06/26/2019 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 06/28/2019 | Sampling Type: | Soil |
| Project Name: | GILLESPIE STATE OIL BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: S 2 (H902206-02)

| BTEX 8021B | mg, | /kg | Analyze | d By: BF | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/27/2019 | ND | 1.80 | 90.2 | 2.00 | 2.40 | |
| Toluene* | <0.050 | 0.050 | 06/27/2019 | ND | 1.79 | 89.5 | 2.00 | 2.48 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/27/2019 | ND | 1.70 | 85.0 | 2.00 | 0.508 | |
| Total Xylenes* | <0.150 | 0.150 | 06/27/2019 | ND | 5.15 | 85.8 | 6.00 | 0.0404 | |
| Total BTEX | <0.300 | 0.300 | 06/27/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 107 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 06/27/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/27/2019 | ND | 197 | 98.3 | 200 | 1.94 | |
| DRO >C10-C28* | 244 | 10.0 | 06/27/2019 | ND | 195 | 97.4 | 200 | 0.756 | |
| EXT DRO >C28-C36 | 112 | 10.0 | 06/27/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 65.6 | % 41-142 | 2 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 89.2 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| Received: | 06/27/2019 | Sampling Date: | 06/26/2019 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 06/28/2019 | Sampling Type: | Soil |
| Project Name: | GILLESPIE STATE OIL BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: S 3 (H902206-03)

| BTEX 8021B | mg, | /kg | Analyze | d By: BF | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/27/2019 | ND | 1.80 | 90.2 | 2.00 | 2.40 | |
| Toluene* | <0.050 | 0.050 | 06/27/2019 | ND | 1.79 | 89.5 | 2.00 | 2.48 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/27/2019 | ND | 1.70 | 85.0 | 2.00 | 0.508 | |
| Total Xylenes* | <0.150 | 0.150 | 06/27/2019 | ND | 5.15 | 85.8 | 6.00 | 0.0404 | |
| Total BTEX | <0.300 | 0.300 | 06/27/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 108 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 06/27/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/27/2019 | ND | 197 | 98.3 | 200 | 1.94 | |
| DRO >C10-C28* | 81.5 | 10.0 | 06/27/2019 | ND | 195 | 97.4 | 200 | 0.756 | |
| EXT DRO >C28-C36 | 41.2 | 10.0 | 06/27/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 64.0 | % 41-142 | 2 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 79.1 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| Received: | 06/27/2019 | Sampling Date: | 06/26/2019 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 06/28/2019 | Sampling Type: | Soil |
| Project Name: | GILLESPIE STATE OIL BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: S 4 (H902206-04)

| BTEX 8021B | mg/ | kg | Analyze | d By: BF | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/27/2019 | ND | 1.80 | 90.2 | 2.00 | 2.40 | |
| Toluene* | <0.050 | 0.050 | 06/27/2019 | ND | 1.79 | 89.5 | 2.00 | 2.48 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/27/2019 | ND | 1.70 | 85.0 | 2.00 | 0.508 | |
| Total Xylenes* | <0.150 | 0.150 | 06/27/2019 | ND | 5.15 | 85.8 | 6.00 | 0.0404 | |
| Total BTEX | <0.300 | 0.300 | 06/27/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 106 9 | 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 06/27/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/27/2019 | ND | 197 | 98.3 | 200 | 1.94 | |
| DRO >C10-C28* | 125 | 10.0 | 06/27/2019 | ND | 195 | 97.4 | 200 | 0.756 | |
| EXT DRO >C28-C36 | 75.8 | 10.0 | 06/27/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 73.5 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 92.7 | % 37.6-14 | 7 | | | | | | |

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| Received: | 06/27/2019 | Sampling Date: | 06/26/2019 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 06/28/2019 | Sampling Type: | Soil |
| Project Name: | GILLESPIE STATE OIL BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: S 5 (H902206-05)

| BTEX 8021B | mg | /kg | Analyze | d By: BF | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/27/2019 | ND | 1.80 | 90.2 | 2.00 | 2.40 | |
| Toluene* | <0.050 | 0.050 | 06/27/2019 | ND | 1.79 | 89.5 | 2.00 | 2.48 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/27/2019 | ND | 1.70 | 85.0 | 2.00 | 0.508 | |
| Total Xylenes* | <0.150 | 0.150 | 06/27/2019 | ND | 5.15 | 85.8 | 6.00 | 0.0404 | |
| Total BTEX | <0.300 | 0.300 | 06/27/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 336 | 16.0 | 06/27/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/27/2019 | ND | 197 | 98.3 | 200 | 1.94 | |
| DRO >C10-C28* | 327 | 10.0 | 06/27/2019 | ND | 195 | 97.4 | 200 | 0.756 | |
| EXT DRO >C28-C36 | 106 | 10.0 | 06/27/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 72.6 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 90.9 | % 37.6-14 | 7 | | | | | | |

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| Received: | 06/27/2019 | Sampling Date: | 06/26/2019 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 06/28/2019 | Sampling Type: | Soil |
| Project Name: | GILLESPIE STATE OIL BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: S 6 (H902206-06)

| BTEX 8021B | mg, | /kg | Analyze | d By: BF | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/27/2019 | ND | 1.80 | 90.2 | 2.00 | 2.40 | |
| Toluene* | <0.050 | 0.050 | 06/27/2019 | ND | 1.79 | 89.5 | 2.00 | 2.48 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/27/2019 | ND | 1.70 | 85.0 | 2.00 | 0.508 | |
| Total Xylenes* | <0.150 | 0.150 | 06/27/2019 | ND | 5.15 | 85.8 | 6.00 | 0.0404 | |
| Total BTEX | <0.300 | 0.300 | 06/27/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 106 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 256 | 16.0 | 06/27/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/27/2019 | ND | 197 | 98.3 | 200 | 1.94 | |
| DRO >C10-C28* | 330 | 10.0 | 06/27/2019 | ND | 195 | 97.4 | 200 | 0.756 | |
| EXT DRO >C28-C36 | 121 | 10.0 | 06/27/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 63.1 | % 41-142 | 2 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 77.8 | % 37.6-14 | 7 | | | | | | |

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| Received: | 06/27/2019 | Sampling Date: | 06/26/2019 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 06/28/2019 | Sampling Type: | Soil |
| Project Name: | GILLESPIE STATE OIL BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: S 7 (H902206-07)

| BTEX 8021B | mg, | /kg | Analyze | d By: BF | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/27/2019 | ND | 1.80 | 90.2 | 2.00 | 2.40 | |
| Toluene* | <0.050 | 0.050 | 06/27/2019 | ND | 1.79 | 89.5 | 2.00 | 2.48 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/27/2019 | ND | 1.70 | 85.0 | 2.00 | 0.508 | |
| Total Xylenes* | <0.150 | 0.150 | 06/27/2019 | ND | 5.15 | 85.8 | 6.00 | 0.0404 | |
| Total BTEX | <0.300 | 0.300 | 06/27/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 105 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 06/27/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/27/2019 | ND | 197 | 98.3 | 200 | 1.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/27/2019 | ND | 195 | 97.4 | 200 | 0.756 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/27/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 60.3 | % 41-142 | 2 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 66.2 | % 37.6-14 | 7 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| Received: | 06/27/2019 | Sampling Date: | 06/26/2019 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 06/28/2019 | Sampling Type: | Soil |
| Project Name: | GILLESPIE STATE OIL BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: S 8 (H902206-08)

| BTEX 8021B | mg, | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/27/2019 | ND | 1.94 | 97.2 | 2.00 | 2.29 | |
| Toluene* | <0.050 | 0.050 | 06/27/2019 | ND | 1.95 | 97.6 | 2.00 | 2.43 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/27/2019 | ND | 1.83 | 91.3 | 2.00 | 2.43 | |
| Total Xylenes* | <0.150 | 0.150 | 06/27/2019 | ND | 5.53 | 92.1 | 6.00 | 2.68 | |
| Total BTEX | <0.300 | 0.300 | 06/27/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 06/27/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/27/2019 | ND | 197 | 98.3 | 200 | 1.94 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/27/2019 | ND | 195 | 97.4 | 200 | 0.756 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/27/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 74.8 | % 41-142 | 2 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 78.2 | % 37.6-14 | 7 | | | | | | |

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| Received: | 06/27/2019 | Sampling Date: | 06/26/2019 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 06/28/2019 | Sampling Type: | Soil |
| Project Name: | GILLESPIE STATE OIL BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: S 9 (H902206-09)

| BTEX 8021B | mg, | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/27/2019 | ND | 1.94 | 97.2 | 2.00 | 2.29 | |
| Toluene* | <0.050 | 0.050 | 06/27/2019 | ND | 1.95 | 97.6 | 2.00 | 2.43 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/27/2019 | ND | 1.83 | 91.3 | 2.00 | 2.43 | |
| Total Xylenes* | <0.150 | 0.150 | 06/27/2019 | ND | 5.53 | 92.1 | 6.00 | 2.68 | |
| Total BTEX | <0.300 | 0.300 | 06/27/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 06/27/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/27/2019 | ND | 197 | 98.3 | 200 | 1.94 | |
| DRO >C10-C28* | 70.4 | 10.0 | 06/27/2019 | ND | 195 | 97.4 | 200 | 0.756 | |
| EXT DRO >C28-C36 | 31.8 | 10.0 | 06/27/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 70.6 | % 41-142 | 2 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 84.1 | % 37.6-14 | 7 | | | | | | |

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| Received: | 06/27/2019 | Sampling Date: | 06/26/2019 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 06/28/2019 | Sampling Type: | Soil |
| Project Name: | GILLESPIE STATE OIL BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: S 10 (H902206-10)

| BTEX 8021B | mg, | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/27/2019 | ND | 1.94 | 97.2 | 2.00 | 2.29 | |
| Toluene* | <0.050 | 0.050 | 06/27/2019 | ND | 1.95 | 97.6 | 2.00 | 2.43 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/27/2019 | ND | 1.83 | 91.3 | 2.00 | 2.43 | |
| Total Xylenes* | <0.150 | 0.150 | 06/27/2019 | ND | 5.53 | 92.1 | 6.00 | 2.68 | |
| Total BTEX | <0.300 | 0.300 | 06/27/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 06/27/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/27/2019 | ND | 214 | 107 | 200 | 1.29 | |
| DRO >C10-C28* | 22.4 | 10.0 | 06/27/2019 | ND | 228 | 114 | 200 | 0.919 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/27/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 82.6 | % 41-142 | 2 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 87.6 | % 37.6-14 | 7 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

| 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. |
| 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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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

| | | CHAIN-OF-CUSTORY AND ANALYSIS DESILEST |
|--|---|--|
| 101 East Marland, Hobbs, NM 88240 | | |
| 1 | | |
| | BILL TO | ANALYSIS REQUEST |
| 0 | P.O. : | |
| 5 | Company: COG Operating LLC | ngLLC |
| City: Artesia State: NM Zip 88210 | | |
| Phone *: (575) 746-2010 Fax #: | Address: 600 W Illinois | D. |
| - | City: Midland | |
| Project Name: GILLESPIE STATE OIL BATTERY | : TX Zij | |
| Project Location: | Phone #: (432) 221-0388 | |
| Sampler Name: Dakota Neel | Fax #: | |
| | PRESERV. SAMPLING | 0 |
| B OR (C)OM | R : BASE: COOL | e |
| # CON GROU | OTHE ACID/I ICE / C OTHE DATE | BTEX TPH Chlorid |
| 2 52 | 6-26-19 | 2.47 × 7 × 00.6 |
| د ک | | 9:50 X X X |
| 55 | 6- | 22:9 X X X |
| . 6 | | 10:00 × × × × × × × × × × × × × × × × × × |
| 5 2 2 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 | | X X X OIO |
| 65 | - | 10,20 X X X |
| PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any clian arising whether based in contract or lort, sholl be limited to the amount paid by the client for the analyses. All edams including these for reading income and any other cause whether wave sholl be denoted whether based in contract or lort, sholl be limited to the amount paid by the client for the | or tort, shall be limited to the amount paid by | 10:25 × y X |
| survise. In so event shall Gardinel be liable for methemal or consequential damages, including without limitation, success news or viewed by Gardina Warn 30 days after completion of the upplicable militates or successors unerly out of or robutuit to the performance of newtree horumder by Cardinal, regardless of whether such aloms a bused upon any of the above stated reasons or attension. | to received by Cardinal within 30 days after co loss of use, or loss of profits incurred by clien is based upon any of the above stated reaso | r completen of the applicable client, its subsidiaries, resons or eleveries. |
| Date: Received By: | Matty | Phone Result: |
| Time: | | |
| Delivered By: (Circle One) Sample Conditi | 유 | 2 |
| 15 - Other: 2,7 Cool Intac | - | Kush!! |
| . Please fax written changes to 575-393-2476 | : | |

OF/

Page 13 of 13



June 28, 2019

DAKOTA NEEL

COG OPERATING

P. O. BOX 1630

ARTESIA, NM 88210

RE: GILLESPIE STATE OIL BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/27/19 11:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| Received: | 06/27/2019 | Sampling Date: | 06/26/2019 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 06/28/2019 | Sampling Type: | Soil |
| Project Name: | GILLESPIE STATE OIL BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: BTM - 1 4' (H902207-01)

| BTEX 8021B | mg, | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.94 | 97.2 | 2.00 | 2.29 | |
| Toluene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.95 | 97.6 | 2.00 | 2.43 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.83 | 91.3 | 2.00 | 2.43 | |
| Total Xylenes* | <0.150 | 0.150 | 06/28/2019 | ND | 5.53 | 92.1 | 6.00 | 2.68 | |
| Total BTEX | <0.300 | 0.300 | 06/28/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 06/27/2019 | ND | 400 | 100 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/27/2019 | ND | 199 | 99.7 | 200 | 5.39 | |
| DRO >C10-C28* | 35.9 | 10.0 | 06/27/2019 | ND | 188 | 94.2 | 200 | 1.66 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/27/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 87.0 | % 41-142 | 2 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 88.8 | % 37.6-14 | 7 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| Received: | 06/27/2019 | Sampling Date: | 06/26/2019 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 06/28/2019 | Sampling Type: | Soil |
| Project Name: | GILLESPIE STATE OIL BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: BTM - 2 4' (H902207-02)

| BTEX 8021B | mg, | ′kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.94 | 97.2 | 2.00 | 2.29 | |
| Toluene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.95 | 97.6 | 2.00 | 2.43 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.83 | 91.3 | 2.00 | 2.43 | |
| Total Xylenes* | <0.150 | 0.150 | 06/28/2019 | ND | 5.53 | 92.1 | 6.00 | 2.68 | |
| Total BTEX | <0.300 | 0.300 | 06/28/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | ′kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 06/27/2019 | ND | 400 | 100 | 400 | 0.00 | |
| TPH 8015M | mg, | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/27/2019 | ND | 199 | 99.7 | 200 | 5.39 | |
| DRO >C10-C28* | 58.4 | 10.0 | 06/27/2019 | ND | 188 | 94.2 | 200 | 1.66 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/27/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 99.0 | % 41-142 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 105 | % 37.6-14 | 7 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| Received: | 06/27/2019 | Sampling Date: | 06/26/2019 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 06/28/2019 | Sampling Type: | Soil |
| Project Name: | GILLESPIE STATE OIL BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: BTM - 3 4' (H902207-03)

| BTEX 8021B | mg, | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.94 | 97.2 | 2.00 | 2.29 | |
| Toluene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.95 | 97.6 | 2.00 | 2.43 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.83 | 91.3 | 2.00 | 2.43 | |
| Total Xylenes* | <0.150 | 0.150 | 06/28/2019 | ND | 5.53 | 92.1 | 6.00 | 2.68 | |
| Total BTEX | <0.300 | 0.300 | 06/28/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 06/27/2019 | ND | 400 | 100 | 400 | 0.00 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/27/2019 | ND | 199 | 99.7 | 200 | 5.39 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/27/2019 | ND | 188 | 94.2 | 200 | 1.66 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/27/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 97.2 | % 41-142 | 2 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 99.7 | % 37.6-14 | 7 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| Received: | 06/27/2019 | Sampling Date: | 06/26/2019 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 06/28/2019 | Sampling Type: | Soil |
| Project Name: | GILLESPIE STATE OIL BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: BTM - 4 4' (H902207-04)

| BTEX 8021B | mg/ | ′kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.94 | 97.2 | 2.00 | 2.29 | |
| Toluene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.95 | 97.6 | 2.00 | 2.43 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.83 | 91.3 | 2.00 | 2.43 | |
| Total Xylenes* | <0.150 | 0.150 | 06/28/2019 | ND | 5.53 | 92.1 | 6.00 | 2.68 | |
| Total BTEX | <0.300 | 0.300 | 06/28/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | ′kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 400 | 16.0 | 06/27/2019 | ND | 400 | 100 | 400 | 0.00 | |
| TPH 8015M | mg/ | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/27/2019 | ND | 199 | 99.7 | 200 | 5.39 | |
| DRO >C10-C28* | 96.8 | 10.0 | 06/27/2019 | ND | 188 | 94.2 | 200 | 1.66 | |
| EXT DRO >C28-C36 | 17.3 | 10.0 | 06/27/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 96.8 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 105 9 | % 37.6-14 | 7 | | | | | | |

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COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| Received: | 06/27/2019 | Sampling Date: | 06/26/2019 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 06/28/2019 | Sampling Type: | Soil |
| Project Name: | GILLESPIE STATE OIL BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: BTM - 5 4' (H902207-05)

| BTEX 8021B | mg, | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.94 | 97.2 | 2.00 | 2.29 | |
| Toluene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.95 | 97.6 | 2.00 | 2.43 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.83 | 91.3 | 2.00 | 2.43 | |
| Total Xylenes* | <0.150 | 0.150 | 06/28/2019 | ND | 5.53 | 92.1 | 6.00 | 2.68 | |
| Total BTEX | <0.300 | 0.300 | 06/28/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 06/27/2019 | ND | 400 | 100 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/27/2019 | ND | 199 | 99.7 | 200 | 5.39 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/27/2019 | ND | 188 | 94.2 | 200 | 1.66 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/27/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 92.2 | % 41-142 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 95.7 | % 37.6-14 | 7 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| Received: | 06/27/2019 | Sampling Date: | 06/26/2019 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 06/28/2019 | Sampling Type: | Soil |
| Project Name: | GILLESPIE STATE OIL BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: BTM - 6 4' (H902207-06)

| BTEX 8021B | mg/ | ′kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.94 | 97.2 | 2.00 | 2.29 | |
| Toluene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.95 | 97.6 | 2.00 | 2.43 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.83 | 91.3 | 2.00 | 2.43 | |
| Total Xylenes* | <0.150 | 0.150 | 06/28/2019 | ND | 5.53 | 92.1 | 6.00 | 2.68 | |
| Total BTEX | <0.300 | 0.300 | 06/28/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 103 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | ′kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 06/27/2019 | ND | 400 | 100 | 400 | 0.00 | |
| TPH 8015M | mg/ | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/27/2019 | ND | 199 | 99.7 | 200 | 5.39 | |
| DRO >C10-C28* | 104 | 10.0 | 06/27/2019 | ND | 188 | 94.2 | 200 | 1.66 | |
| EXT DRO >C28-C36 | 33.5 | 10.0 | 06/27/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 74.0 | % 41-142 | , | | | | | | |
| Surrogate: 1-Chlorooctadecane | 84.8 | % 37.6-14 | 7 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| Received: | 06/27/2019 | Sampling Date: | 06/26/2019 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 06/28/2019 | Sampling Type: | Soil |
| Project Name: | GILLESPIE STATE OIL BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: BTM - 7 5' (H902207-07)

| BTEX 8021B | mg/ | ′kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.94 | 97.2 | 2.00 | 2.29 | |
| Toluene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.95 | 97.6 | 2.00 | 2.43 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.83 | 91.3 | 2.00 | 2.43 | |
| Total Xylenes* | <0.150 | 0.150 | 06/28/2019 | ND | 5.53 | 92.1 | 6.00 | 2.68 | |
| Total BTEX | <0.300 | 0.300 | 06/28/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | ′kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 656 | 16.0 | 06/27/2019 | ND | 400 | 100 | 400 | 0.00 | |
| TPH 8015M | mg/ | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/27/2019 | ND | 199 | 99.7 | 200 | 5.39 | |
| DRO >C10-C28* | 480 | 10.0 | 06/27/2019 | ND | 188 | 94.2 | 200 | 1.66 | |
| EXT DRO >C28-C36 | 266 | 10.0 | 06/27/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 92.8 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 118 9 | % 37.6-14 | 7 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| Received: | 06/27/2019 | Sampling Date: | 06/26/2019 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 06/28/2019 | Sampling Type: | Soil |
| Project Name: | GILLESPIE STATE OIL BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: BTM - 8 5' (H902207-08)

| BTEX 8021B | mg/ | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.94 | 97.2 | 2.00 | 2.29 | |
| Toluene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.95 | 97.6 | 2.00 | 2.43 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.83 | 91.3 | 2.00 | 2.43 | |
| Total Xylenes* | <0.150 | 0.150 | 06/28/2019 | ND | 5.53 | 92.1 | 6.00 | 2.68 | |
| Total BTEX | <0.300 | 0.300 | 06/28/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.3 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 608 | 16.0 | 06/27/2019 | ND | 400 | 100 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/27/2019 | ND | 199 | 99.7 | 200 | 5.39 | |
| DRO >C10-C28* | 130 | 10.0 | 06/27/2019 | ND | 188 | 94.2 | 200 | 1.66 | |
| EXT DRO >C28-C36 | 46.5 | 10.0 | 06/27/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 81.9 | % 41-142 | 2 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 90.4 | % 37.6-14 | 7 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| Received: | 06/27/2019 | Sampling Date: | 06/26/2019 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 06/28/2019 | Sampling Type: | Soil |
| Project Name: | GILLESPIE STATE OIL BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: BTM - 9 4' (H902207-09)

| BTEX 8021B | mg/ | kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.94 | 97.2 | 2.00 | 2.29 | |
| Toluene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.95 | 97.6 | 2.00 | 2.43 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.83 | 91.3 | 2.00 | 2.43 | |
| Total Xylenes* | <0.150 | 0.150 | 06/28/2019 | ND | 5.53 | 92.1 | 6.00 | 2.68 | |
| Total BTEX | <0.300 | 0.300 | 06/28/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 102 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 06/27/2019 | ND | 400 | 100 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/27/2019 | ND | 199 | 99.7 | 200 | 5.39 | |
| DRO >C10-C28* | 85.5 | 10.0 | 06/27/2019 | ND | 188 | 94.2 | 200 | 1.66 | |
| EXT DRO >C28-C36 | 33.3 | 10.0 | 06/27/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 97.6 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 104 9 | 37.6-14 | 7 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| Received: | 06/27/2019 | Sampling Date: | 06/26/2019 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 06/28/2019 | Sampling Type: | Soil |
| Project Name: | GILLESPIE STATE OIL BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: BTM - 10 4' (H902207-10)

| BTEX 8021B | mg/ | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.94 | 97.2 | 2.00 | 2.29 | |
| Toluene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.95 | 97.6 | 2.00 | 2.43 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.83 | 91.3 | 2.00 | 2.43 | |
| Total Xylenes* | <0.150 | 0.150 | 06/28/2019 | ND | 5.53 | 92.1 | 6.00 | 2.68 | |
| Total BTEX | <0.300 | 0.300 | 06/28/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 105 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 06/27/2019 | ND | 400 | 100 | 400 | 0.00 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/27/2019 | ND | 199 | 99.7 | 200 | 5.39 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/27/2019 | ND | 188 | 94.2 | 200 | 1.66 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/27/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 105 9 | % 41-142 | 2 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 107 9 | % 37.6-14 | - | | | | | | |

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*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| Received: | 06/27/2019 | Sampling Date: | 06/26/2019 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 06/28/2019 | Sampling Type: | Soil |
| Project Name: | GILLESPIE STATE OIL BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: BTM - 11 4' (H902207-11)

| BTEX 8021B | mg/ | ′kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.94 | 97.2 | 2.00 | 2.29 | |
| Toluene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.95 | 97.6 | 2.00 | 2.43 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.83 | 91.3 | 2.00 | 2.43 | |
| Total Xylenes* | <0.150 | 0.150 | 06/28/2019 | ND | 5.53 | 92.1 | 6.00 | 2.68 | |
| Total BTEX | <0.300 | 0.300 | 06/28/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | ′kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 06/27/2019 | ND | 400 | 100 | 400 | 0.00 | |
| TPH 8015M | mg/ | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/27/2019 | ND | 199 | 99.7 | 200 | 5.39 | |
| DRO >C10-C28* | 649 | 10.0 | 06/27/2019 | ND | 188 | 94.2 | 200 | 1.66 | |
| EXT DRO >C28-C36 | 251 | 10.0 | 06/27/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 103 9 | % 41-142 | 2 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 145 9 | % 37.6-14 | 7 | | | | | | |

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| Received: | 06/27/2019 | Sampling Date: | 06/26/2019 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 06/28/2019 | Sampling Type: | Soil |
| Project Name: | GILLESPIE STATE OIL BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: BTM - 12 4' (H902207-12)

| BTEX 8021B | mg | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.94 | 97.2 | 2.00 | 2.29 | |
| Toluene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.95 | 97.6 | 2.00 | 2.43 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/28/2019 | ND | 1.83 | 91.3 | 2.00 | 2.43 | |
| Total Xylenes* | <0.150 | 0.150 | 06/28/2019 | ND | 5.53 | 92.1 | 6.00 | 2.68 | |
| Total BTEX | <0.300 | 0.300 | 06/28/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 104 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 06/27/2019 | ND | 400 | 100 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/27/2019 | ND | 214 | 107 | 200 | 1.29 | |
| DRO >C10-C28* | 13.5 | 10.0 | 06/27/2019 | ND | 228 | 114 | 200 | 0.919 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/27/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 82.9 | % 41-142 | 2 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 84.9 | % 37.6-14 | 7 | | | | | | |

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

| 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. |
| 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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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

| Please fax written changes to 575-393-2476 | Sampler - UPS - Bus - Other: | Delivered By: (Circle One) | | Relinquished By: | Affiliates or suncessors arising out of or reduted to the performance of wave-wave and using without instation, business interruptions, loss of use, or less of profits incurred by client, is subsidiaries, Reclinquished By: Relinquished By: Date: Date: Received By: Phone Received Ry: | analyzes. At clarms including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after connection of the amount paid by the client for the service. In no event shall be deemed waived unless made in writing and received by Cardinal within 30 days after connection of the amount paid by the client for the amount paid by the client for the service. | PLEASE NOTE: Liability and Damagos, Cardina's liability and client's exe | - | S BTM-B | 2 BTM-7 | _ | S BTM. S | C BTX-4 | 30 BTM-2 | 1 BTM-1 | H902.207 | Lab I.D. Sample I.D. | | FOR LAB USE ONLY | Sampler Name: Dakota Neel | Project Location: | Filect Mame: SILLESTIZ | | Project #- | D N: | City: Artesia | 5 | 5 | Company Name: COG Operating 11C | Labor | CARE |
|--|------------------------------|----------------------------|-------|-------------------------------------|---|---|--|----------|---------|---------|----|----------|----------|----------|--------------------------|-----------------------------|--------------------------------------|--------------|------------------|---------------------------|-------------------|------------------------|--|---|---------------------|-------------------|------------------------------|-------------------|-----------------------------------|--|------|
| 393-2476 | 2.70 | | Time: | Time: a J/au Date: F | Date: 19 | ther cause whatseever shall be deep preservental damager inclusion and | 4 / | 4' | 5 | 5' | 91 | 4 1 | 4 | 4, | 4 | | | | | | | STATE | 1d | ŀax #: | State: NM | | 1 | | (575) 393-2326 FAX (575) 393-2476 | atorie | |
| 1 | Han Lares Lares | Sample Condition | | Received By: | mout imitation, business interruptions, log dinal, regardless of whether such claim is Received By: | scover shall be deemed waived unloss made in writing and received by Cardinal within 30 days after completion of the a | | | | | | | | | # GI W SC OI | CONT ROUN ASTE DIL | OR (C) AINER: IDWATER WATER | S ER R | MATRIX | 2 | | DIC BATTERY | and the second s | the second | Zip 88210 | | and the second second second | | -40 -76 | Л] | |
| | (Initials) | - | | Udatsie | loss of use, or loss of profits incurred by in busied upon any of the above stated re | tort, shall be limited to the amount pail ecoived by Cardinal within 30 days after | 1 | | | | | | | 6-26-X | AC ICE OT | HER ID/BA | SE: OL | | ESERV | Fax # | 許 (43) | State: TX Zip: 79701 | City: Midland | Address: 600 W | Attn: Robert McNeil | Company: COG Op | P.O. 拚 | BILL TO | | | |
| | Kus | 2 | | Fax Result: Yes I No REMARKS: No | | miliculator | A X X X X X X X X X X X X X X X X X X X | X X LOIX | X | 1× | X | ××× | X X DA:8 | 8.30 | BTE TPF | | | | | | | 701 | ind | 600 W Illinois | McNeill | COG Operating LLC | | 9 | | CHAIN-OF-CUSTOD | · |
| | shi! | | | Add'l Phone #: Add'l Fax #: | | | | | | | | | | | | - | | | | | | | - | | | | | ANALYSIS REDUIEST | | CHAIN-OF-CUSTODY AND ANALYSIS DEOLIEST | |
| | fan Ser | | | | | _ | | | | 1 | - | 1 | 7 | | | | | | | | | - | | | | | | | | 0 | |

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| Nace BILL TO State: NM ZIP 2010 Fax #: Project Owner: Company: COMPAND Company: COMPAND Address: Project Owner: Company: COMPAND Company: Company: Company: </th <th>Image: Company Name: COG OF Company Name: COG OF Project Manager: Dakota I Address: 2208 West Main City: Artesia Phone #: (575) 746- Project Name: Project Name: Sampler Name: For Lab I.D. Sampler Name: HAO Z ZOK N 12 811/1</th> <th>LEASE NOTE: Liability and Damago analyses. At datas including those fo service. In no oront shall Cardinal bo it affiliates or successors arising out of or Relinquished By:</th> | Image: Company Name: COG OF Company Name: COG OF Project Manager: Dakota I Address: 2208 West Main City: Artesia Phone #: (575) 746- Project Name: Project Name: Sampler Name: For Lab I.D. Sampler Name: HAO Z ZOK N 12 811/1 | LEASE NOTE: Liability and Damago analyses. At datas including those fo service. In no oront shall Cardinal bo it affiliates or successors arising out of or Relinquished By: |
|--|---|--|
| Vess No | Neel Project | Contrasts labelity and cleant's exclusive remody megligence and any other cause whatseve estal bio for inedental or consequential damages, ire statutes horeunder of services horeunder Date: |
| Vess No | # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL | for nry claim arising whother based in contract to demond walked unless made in whother based in contract by Cardinal, regardless of whother such alimp by Cardinal, regardless of whother such alimp Received By: |
| Vess No Chloride | ICE / COOL ISERV #: TX SS: P: TX OTHER : | protect, shall be limited to the amount per trockied by Cardinal with 30 days at trockied by Cardinal with 30 days at shaced upon any of the above stated to the above stated to |
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| The state of the s | ANALYSIS REQUE | |

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July 15, 2019

DAKOTA NEEL

COG OPERATING

P. O. BOX 1630

ARTESIA, NM 88210

RE: GILLESPIE STATE OIL BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 07/12/19 12:24.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| Received: | 07/12/2019 | Sampling Date: | 07/11/2019 |
|-------------------|-----------------------------|---------------------|---------------|
| Reported: | 07/15/2019 | Sampling Type: | Soil |
| Project Name: | GILLESPIE STATE OIL BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | NOT GIVEN | | |

Sample ID: BTM - 4 4.5' (H902404-01)

| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/12/2019 | ND | 196 | 97.8 | 200 | 1.52 | |
| DRO >C10-C28* | 27.8 | 10.0 | 07/12/2019 | ND | 192 | 95.9 | 200 | 0.132 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/12/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 75.7 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 84.7 | % 37.6-14 | 7 | | | | | | |

Sample ID: BTM - 6 5' (H902404-02)

| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/12/2019 | ND | 196 | 97.8 | 200 | 1.52 | |
| DRO >C10-C28* | 45.8 | 10.0 | 07/12/2019 | ND | 192 | 95.9 | 200 | 0.132 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/12/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 78.1 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 84.1 | 37.6-14 | 7 | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| Received: | 07/12/2019 | Sampling Date: | 07/11/2019 |
|-------------------|-----------------------------|---------------------|---------------|
| Reported: | 07/15/2019 | Sampling Type: | Soil |
| Project Name: | GILLESPIE STATE OIL BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | NOT GIVEN | | |

Sample ID: BTM - 7 5.5' (H902404-03)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: AC | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/12/2019 | ND | 196 | 97.8 | 200 | 1.52 | |
| DRO >C10-C28* | 52.2 | 10.0 | 07/12/2019 | ND | 192 | 95.9 | 200 | 0.132 | |
| EXT DRO >C28-C36 | 14.6 | 10.0 | 07/12/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 75.9 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 81.0 | % 37.6-14 | 7 | | | | | | |

Sample ID: BTM - 8 5.5' (H902404-04)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: AC | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/12/2019 | ND | 196 | 97.8 | 200 | 1.52 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/12/2019 | ND | 192 | 95.9 | 200 | 0.132 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/12/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 72.8 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 73.7 | % 37.6-14 | 7 | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| Received: | 07/12/2019 | Sampling Date: | 07/11/2019 |
|-------------------|-----------------------------|---------------------|---------------|
| Reported: | 07/15/2019 | Sampling Type: | Soil |
| Project Name: | GILLESPIE STATE OIL BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | NOT GIVEN | | |

Sample ID: BTM - 9 5' (H902404-05)

| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/12/2019 | ND | 196 | 97.8 | 200 | 1.52 | |
| DRO >C10-C28* | 45.9 | 10.0 | 07/12/2019 | ND | 192 | 95.9 | 200 | 0.132 | |
| EXT DRO >C28-C36 | 20.5 | 10.0 | 07/12/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 65.4 % | 6 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 71.7 % | 37.6-14 | 7 | | | | | | |

Sample ID: BTM - 11 5' (H902404-06)

| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/12/2019 | ND | 196 | 97.8 | 200 | 1.52 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/12/2019 | ND | 192 | 95.9 | 200 | 0.132 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/12/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 75.0 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 77.5 | 37.6-14 | 7 | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| Received: | 07/12/2019 | Sampling Date: | 07/11/2019 |
|-------------------|-----------------------------|---------------------|---------------|
| Reported: | 07/15/2019 | Sampling Type: | Soil |
| Project Name: | GILLESPIE STATE OIL BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | NOT GIVEN | | |

Sample ID: S 1 (H902404-07)

| TPH 8015M | mg/ | ′kg | Analyze | d By: MS | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/12/2019 | ND | 196 | 97.8 | 200 | 1.52 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/12/2019 | ND | 192 | 95.9 | 200 | 0.132 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/12/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 69.0 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 79.6 | % 37.6-14 | 7 | | | | | | |

Sample ID: S 2 (H902404-08)

| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/12/2019 | ND | 196 | 97.8 | 200 | 1.52 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/12/2019 | ND | 192 | 95.9 | 200 | 0.132 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/12/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 72.8 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 82.2 | % 37.6-14 | 7 | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| Received: | 07/12/2019 | Sampling Date: | 07/11/2019 |
|-------------------|-----------------------------|---------------------|---------------|
| Reported: | 07/15/2019 | Sampling Type: | Soil |
| Project Name: | GILLESPIE STATE OIL BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | NOT GIVEN | | |

Sample ID: S 3 (H902404-09)

| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/12/2019 | ND | 196 | 97.8 | 200 | 1.52 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/12/2019 | ND | 192 | 95.9 | 200 | 0.132 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/12/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 72.5 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 80.0 | % 37.6-14 | 7 | | | | | | |

Sample ID: S 4 (H902404-10)

| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/13/2019 | ND | 196 | 97.8 | 200 | 1.52 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/13/2019 | ND | 192 | 95.9 | 200 | 0.132 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/13/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 72.6 9 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 76.5 9 | 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| Received: | 07/12/2019 | Sampling Date: | 07/11/2019 |
|-------------------|-----------------------------|---------------------|---------------|
| Reported: | 07/15/2019 | Sampling Type: | Soil |
| Project Name: | GILLESPIE STATE OIL BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | NOT GIVEN | | |

Sample ID: S 5 (H902404-11)

| TPH 8015M | mg/ | ′kg | Analyze | d By: MS | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/13/2019 | ND | 196 | 97.8 | 200 | 1.52 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/13/2019 | ND | 192 | 95.9 | 200 | 0.132 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/13/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 76.3 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 81.2 | % 37.6-14 | 7 | | | | | | |

Sample ID: S 6 (H902404-12)

| TPH 8015M | mg/l | kg | Analyze | d By: MS | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/13/2019 | ND | 196 | 97.8 | 200 | 1.52 | |
| DRO >C10-C28* | 300 | 10.0 | 07/13/2019 | ND | 192 | 95.9 | 200 | 0.132 | |
| EXT DRO >C28-C36 | 75.1 | 10.0 | 07/13/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 62.5 % | 6 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 69.7 % | 6 37.6-14 | 7 | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| Received: | 07/12/2019 | Sampling Date: | 07/11/2019 |
|-------------------|-----------------------------|---------------------|---------------|
| Reported: | 07/15/2019 | Sampling Type: | Soil |
| Project Name: | GILLESPIE STATE OIL BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | NOT GIVEN | | |

Sample ID: S 9 (H902404-13)

| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/13/2019 | ND | 196 | 97.8 | 200 | 1.52 | |
| DRO >C10-C28* | 54.2 | 10.0 | 07/13/2019 | ND | 192 | 95.9 | 200 | 0.132 | |
| EXT DRO >C28-C36 | 17.5 | 10.0 | 07/13/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 72.8 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 79.5 | % 37.6-14 | 7 | | | | | | |

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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 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

| Page 10 of 11 | |
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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101 East Marland, Hobbs, NM 88240

| | (575) 393-2326 FAX (575) 393-2476 | 393-2476 | | | | |
|--|--|--|--|---|---------|--|
| Company Name: | COG Operating LLC | | BILL TO | | | ANALYSIS REQUEST |
| Project Manager: | Dakota Neel | | P.O. #: | | | |
| Address: 2208 V | 2208 West Main | | Company: COG Ope | COG Operating LLC | | |
| City: Artesia | State: NM | NM Zip 88210 | | IcNeill | | |
| Phone #: (| (575) 746-2010 Fax #: | | Address: 600 W | 600 W Illinois | | |
| Project #: | Project Owner: | Owner: | City: Midland | a. | | 1 |
| Project Name: | GILLESPIS STATE | OIL BATTERY | : TX Zip | 701 | | |
| Project Location: | | | (43) | 88 | | |
| Sampler Name: | Dakota Neel | | | | | |
| FOR LAB USE ONLY | | MATRIX | PRESERV. SAMPLING | LING | | |
| Lab I.D. | Sample I.D. | B)RAB OR (C)OMP. CONTAINERS ROUNDWATER ASTEWATER DIL | LUDGE THER : CID/BASE: E / COOL THER : | | PH | |
| - | - BTM - 4 4.5 | | (| 9:30 | - | |
| 12 | BTM-6 5' | 1 | 1 | 55:6 | × | |
| 5 | BTM-7 5.5 | | | 64:40 | × | |
| <u>م</u> ر | 00 | | ~ | 54:6 | × | |
| - 6 | BTN-9 5' | ~ | ~ | 9:50 | × | |
| 26 | BTM-11 5' | 1 | ~ | 2:55 | X | |
| 2- | 15 | 2 | • | 80:91 | × | |
| bd | 25 | / | | 20:01 | x | |
| 5- | 5.5 | | | 10:10 | × | |
| PLEASE NOTE: Liability and Dam | nages. Cardinal's liability and client's exclusive real | nedv for any claim arising whether haved in post- | | 10:15 | × | |
| analyses. All claims including thos service. In no event shall Cardinal affiliates or successors arising out | eregos, eviduata s identity and citerits exclusive re- se for negligence and any other cause whatsoeve- l be liable for incidental or consequental damage of or related to the performance of services here | de g w | act or tort, shall be limited to the amount p and received by Cardinal within 30 days af is, loss of use, or loss of profits incurred by im is based upon any of the above stated r | aid by the client for the ter completion of the appli- client, its subsidiaries, reasons or otherwise. | cable | |
| Relinquished By: | $\frac{\text{Date:}}{1 - 1 < 1 < 7}$ $\frac{\text{Time:}}{1 < 7 < 7}$ $\frac{1 < 7 < 7}{1 < 7 < 7}$ Date: | 4 Geceived By: | mson | Phone Result: Fax Result: REMARKS: | □ Yes □ | □ No Add'I Phone #: □ No Add'I Fax #: |
| | Time: | | | | | |
| | ircle One) 100 1407 | Sar | ition CHECKED BY: | | A | RUSH! |
| Sampler - OFS - DC | is - Other: | | No CAN | | | |

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s. Please fax written changes to 575-393-2476

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

| | (575) 393-2326 FAX (575) 393-2476 | -2476 | | |
|--|---|--|--|---|
| Company Name: | COG Operating LLC | | BILL TO | ANALYSIS REQUEST |
| Project Manager: | Dakota Neel | | P.O. #: | |
| Address: 2208 \ | 2208 West Main | 3 | Company: COG Operating LLC | |
| City: Artesia | State: NM | Zip 88210 | Attn: Robert McNeill | |
| Phone #: | (575) 746-2010 Fax #: | | Address: 600 W Illinois | |
| Project #: | Project Owner: | ner: | City: Midland | |
| Project Name: | GILLESPIE STATE OIL | L BATTERY | State: TX Zip: 79701 | |
| Project Location: | | | Phone #: (432) 221-0388 | |
| Sampler Name: | Dakota Neel | | Fax #: | |
| FOR LAB USE ONLY | | | PRESERV. SAMPLING | |
| Lab I.D. H9024D4 | Sample I.D. | (G)RAB OR (C)O # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE | OTHER : ACID/BASE: ICE / COOL OTHER : | BTEX TPH Chloride |
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| 17 | 56 | ~ ` | DE: C1 1 1 | × |
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| analyses. All claims including th service. In no event shall Cardin affiliates or successors arising o | nerregue, servatione a national since formants executions entered tose for negligence and any other cause whatsoever shall al be liable for incidental or consequental damages, inclu- ut of or related to the performance of services hereunder | b) any count analog whether subsect in counta be deemed waived unless made in writing a iding without limitation, business interruptions by Cardinal, regardless of whether such clair by Cardinal, regardless of whether such clair | analyses. All claims in a convergence container or access whethere you any source manager in contract or not, source or inclusion to an automating on a control of the applicable analyses. All claims including these for neighere and any other cause whatsbeerer shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be lable for incidental or concequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidianes, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. | the applicable anes, ise: |
| Relinquished By: | Date: 7 - /2-/7 Time: /2./2 /2./2 Date: | Received By: | Fax Result: REMARKS: | esult: □ Yes □ No Add'l Phone #: Ilt: □ Yes □ No Add'l Fax #: 'S: |
| | Time: | | | |
| Delivered By: (Circle One) | | | CHECKED BY: | 大しいたい |
| Sampler - UPS - Bus - Other: | Bus - Other: 2,9%/#97 | HQ7 TYes TYes | A | |
| s. Please fax writte | Please fax written changes to 575-393-2476 | | C | |

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July 17, 2019

DAKOTA NEEL

COG OPERATING

P. O. BOX 1630

ARTESIA, NM 88210

RE: GILLESPIE STATE OIL BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 07/16/19 10:17.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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



COG OPERATING DAKOTA NEEL P. O. BOX 1630 ARTESIA NM, 88210 Fax To: NONE

| Received: | 07/16/2019 | Sampling Date: | 07/16/2019 |
|-------------------|-----------------------------|---------------------|----------------|
| Reported: | 07/17/2019 | Sampling Type: | Soil |
| Project Name: | GILLESPIE STATE OIL BATTERY | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: S 6 (H902428-01)

| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/16/2019 | ND | 190 | 95.1 | 200 | 0.351 | |
| DRO >C10-C28* | 11.6 | 10.0 | 07/16/2019 | ND | 189 | 94.6 | 200 | 4.27 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/16/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 95.3 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 100 9 | 37.6-14 | 7 | | | | | | |

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

- ND
 Analyte NOT DETECTED at or above the reporting limit

 RPD
 Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| Company Name: | 602 | | BILL TO | | ANALYSIS REQUEST | |
|--|--|---|---|--|--------------------------------|--|
| Project Manager: | DNYOTA NEEL | | P.O. #: | | | |
| Address: | | | Company: | | | |
| City: | State: | Zip: | Attn: | | | |
| Phone #: | Fax #: | | Address: | | | |
| Project #: | Project Owner: | er: | City: | | | |
| Project Name: | LILLESPIE STATE OIL | KJ TTER | State: Zip: | | | |
| Project Location: | | | Phone #: | | | |
| Sampler Name: | | | Fax #: | | | |
| FOR LAB USE ONLY | | MATRIX | PRESERV. SAMPLING | G | | |
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE | | TPH | | |
| | 25 | / / | - 7 | X × 100.8 | | |
| | | | | | | |
| | | | | | | |
| | 2 Ø | | | | | |
| PLEASE NOTE: Liability and Da | PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis of the client for the client for the client for the client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the client for the client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the client for the client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the client for the client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the client's exclusive remedy for any client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the client's exclusive remedy for any client's exclusive rem | or any claim arising whether based in contrac | t or tort, shall be limited to the amount paid | any the client for the | | |
| service. In no event shall Cardina affiliates or successors arising our | any set, in neuronal meaning involve to magagemeet and any vine vector measures and and any measures including and the set of the se | ing without limitation, business interruptions, y Cardinal, regardless of whether such claim | In received by Cardinial within 30 days and o loss of use, or loss of profits incurred by cliv is based upon any of the above stated reas | ontripieuon o nite applicable int, its subsidiaries, ons or otherwise. | | |
| Relinquished By: | Date: 7-16-17 Time: 1-2:17 | Received By: | allatop | Phone Result: Fax Result: Yes No REMARKS: | Add'I Phone #: Add'I Fax #: | |
| Relinquished By: | Date: Time: | Received By: | (| | 2×1 | |
| Delivered By: (Circle One) | | Sample C Cool In | ion CHECKED BY: (Initials) | | Jun. | |
| Sampler - UPS - Bus - Other: | | 4.3c #97 TYPES FYPES | 4 | | | |

APPENDIX D

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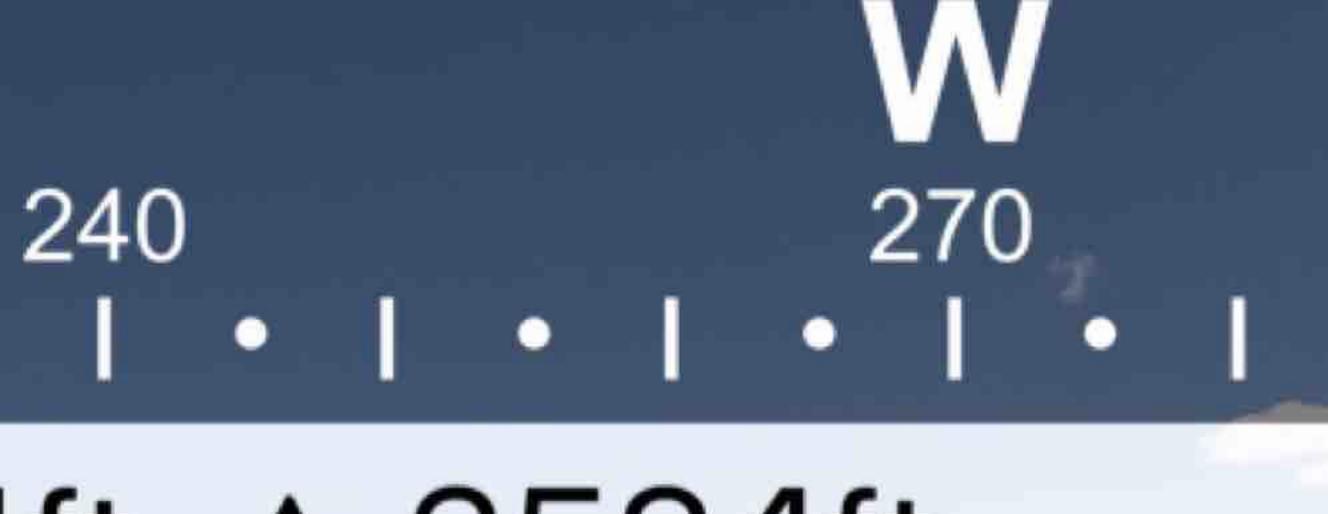




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