

EOG Resources, Inc. Artesia Division Office 104 S. 4th Street Artesia, N. M. 88210

January 17, 2020

NMOCD District II 811 S. First St. Artesia, NM 88210

Re:

Federal AB B Battery M-32-18S-25E Eddy County, NM 2RP-5701

EOG Resources, Inc. is submitting the enclosed Closure Report for the above referenced site. The report is being submitted accompanying the C-141 Final.

EOG Resources Inc. requests closure.

If you have any questions, feel free to call me at (575) 748-1471.

Respectfully,

Chase Settle

Rep Safety & Environmental II

EOG Resources, Inc.

Chan Settle



January 17, 2020

EOG Resources, Inc. Federal AB B Battery

Closure Report

M-32-18S-25E

Eddy County, NM

January 17, 2020

2RP-5701



January 17, 2020

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January 17, 2020

I. Location

From the intersection of Hwy 285 and West Kincaid Ranch Road (CR 38), head west for 8 miles, then take the lease road north and follow main lease road for 2,870 feet to the location.

II. Background

On October 18, 2019, EOG Resources, Inc. submitted to the NMOCD District II office a Form C-141 for the release of 1 B/CO and 19 B/PW with 1 B/CO recovered, which occurred on October 11, 2019. This release was caused by high winds breaking the water leg on a 40 barrel capacity 3-Phase Vertical Separator. A vacuum truck was called to recover the standing fluid and a backhoe crew was contracted to excavate visually impacted soils. Excavated soils were sent to a NMOCD approved disposal facility during the initial excavation activities. Initial soil sampling was conducted October 17, 2019, after providing notice of sampling to NMOCD and BLM on October 14, 2019. Based on sample results from the third party laboratory used for analysis, further excavation of the site was undertaken on November 14, 2019, with notification provided to NMOCD and BLM on November 12, 2019. Following this sampling event, the excavation depth and size was again increased based on the laboratory results. Sampling again occurred on December 12, 2019, with notification provided to NMOCD and BLM on December 9, 2019. Further excavation work was completed based on the results of the December 12, 2019, sampling activities. On January 7, 2020, notification of sampling was provided to NMOCD and BLM for January 9, 2020. Also on January 7, 2020, EOG requested an extension from NMOCD for the Closure Report, which was approved the same day. All soil samples were sent to a third party laboratory for analysis and laboratory reports are included as Appendix D.

III. Surface and Ground Water

Area geology is Cenozoic Quaternary. Based on information from the New Mexico Office of the State Engineer, there wasn't sufficient data from the United States Geological Survey National Water Information System (USGS), regarding this location (Section 32, T18S-R25E), depth to groundwater was determined to be 303 feet with the nearest water wells being approximately 0.85 mile to the north and 0.77 mile to the southeast. The site sits between the 2 water well sites, with the north well having a groundwater depth of 300 feet. The southeast well has a groundwater depth of 305 feet.

Watercourses in the area are dry except for infrequent flows in response to major precipitation events, with the nearest body of surface water being Brantley Lake at approximately 9.5 miles away. The site is located outside of critical karst areas and outside of the 100-year floodplain.

IV. NMOCD Assessment Criteria

The site assessment criteria is as follows:

Depth to ground water > 100'
Wellhead Protection Area > 1000'
Distance to surface water body > 1000'

Based on the assessment criteria, the NMOCD established RRALs for this site are:

 Benzene
 10 mg/kg

 BTEX
 50 mg/kg

 TPH
 2,500 mg/kg

 GRO + DRO
 1,000 mg/kg

 Chlorides
 20,000 mg/kg



January 17, 2020

V. Soils

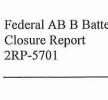
USDA Natural Resources Conservation Service (NRCS) classifies soil in the area as Upton-Reagan, with 0-9% slopes.

VII. Remediation Work

Initial excavation of the site began on October 11, 2019. Activities included the removal of saturated and visibly impacted soils with those soils being hauled to a NMOCD approved disposal facility. The site was excavated to a depth of two (2) to three (3) feet with initial horizontal edges also determined by the initial excavation. Vertical delineation sampling was then conducted within the release area, which provided further vertical excavation guidance, including the removal of the production tanks and equipment within the battery once staining was discovered re-emerging from below the tanks between excavation activities. Confirmation vertical and horizontal sampling was then conducted after those excavation activities were complete. These samples displayed that there was need for more excavation vertically, as well as horizontally. Sample activities conducted December 12, 2019, identified that only 2 areas required further excayation. One horizontal area had not met the guidance of 19.15.29.13 NMAC with a resulting chloride concentration of 656 mg/kg, and one area needed further vertical excavation due to DRO concentration of 1500 mg/kg. The sidewall excavation was extended an additional foot and the vertical area was excavated an additional half foot. The confirmation samples collected on January 9, 2020, confirmed that all vertical sample results had achieved the Table 1 standards, and horizontal sample results confirmed that all sidewalls were within the guidelines for 19.15.29.13. All horizontal samples were collected by way of 5-point composite samples, and no vertical or horizontal samples were representative of more than 200 square feet.

All excavated soils were hauled to an NMOCD approved facility for disposal and the backfill for the site consists of locally sourced, clean, non-contaminated caliche soils of a similar type as was removed. This release occurred within the berm of an active production facility, therefore no revegetation efforts will be undertaken in the remediation of this release.

The C-141 Final is included with this closure report, EOG Resources, Inc. requests closure.





eog resources



January 17, 2020

Soil Analytical Data

| Sample ID | Depth (ft. bgs) | Date | Benzene | Toluene | Ethylbenzene | Xylenes | BTEX | TPH (GRO) | TPH (DRO) | TPH EXT DRO | Total TPH | Chlorides |
|--------------|-----------------------|----------|---------|---------|--------------|---------|---------|--------------|--------------|-------------------|--------------|-----------|
| V1-2' | 2' | 10/17/19 | <2.00 | 11.5 | 38.3 | 90 | 140 | 2760 | 12900 | 2320 | 17980 | 112 |
| V1-3' | 3' | 10/17/19 | <2.00 | 15.7 | 43.6 | 117 | 176 | 2750 | 11800 | 2170 | 16720 | 208 |
| V1-4' | 4' | 10/17/19 | < 0.050 | < 0.050 | 0.057 | < 0.150 | <0.300 | <10.0 | 10.2 | 12.4 | 22.6 | 352 |
| V1C-3.5' | 3.5' | 11/14/19 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 32 |
| V2-3' | 3' | 10/17/19 | <0.500 | 1.74 | 8.51 | 23.9 | 34.2 | 1180 | 14400 | 5130 | 20710 | 1410 |
| V2-4' | 4' | 10/17/19 | <0.050 | <0.050 | <0.050 | 0.194 | <0.300 | 96.6 | 2960 | 1060 | 4116.6 | 128 |
| V3-1' | 11 | 10/17/19 | <0.050 | <0.050 | 0.219 | 1.26 | 1.48 | 82.3 | 3320 | 685 | 4087.3 | 2840 |
| V3-2' | 2' | 10/17/19 | <0.050 | < 0.050 | 0.544 | 0.620 | 1.16 | <10.0 | 398 | 105 | 503 | 240 |
| V3-2.5' | 2.5' | 10/17/19 | < 0.050 | < 0.050 | 0.171 | 0.340 | 0.511 | 29.8 | 554 | 165 | 748.8 | 48 |
| V4-1' | 1' | 10/17/19 | <0.500 | 4.38 | 10.1 | 25.1 | 39.5 | 746 | 17900 | 3510 | 22156 | 10800 |
| V4-1.25' | 1.25' | 10/17/19 | <0.500 | < 0.500 | 9.76 | 22.9 | 32.6 | 609 | 4060 | 599 | 5268 | 1330 |
| V5-2' | 2' | 10/17/19 | <0.500 | 7.97 | 19.2 | 41.9 | 69 | 933 | 11600 | 2060 | 14593 | 7360 |
| V5-2.25' | 2.25' | 10/17/19 | <0.050 | <0.050 | 0.071 | 0.173 | <0.300 | <10.0 | 27.4 | <10.0 | 27.4 | 80 |
| V6-2' | 2' | 10/17/19 | 9.29 | 189 | 158 | 274 | 631 | 3740 | 10100 | 1400 | 15240 | 5440 |
| V6-2.25' | 2.25 | 10/17/19 | 0.070 | 0.962 | 0.992 | 1.93 | 3.96 | 66.9 | 488 | 64.5 | 619.4 | 752 |
| | | | | | | | | | | | | |
| V1C-3.5' | 3.5' | 11/14/19 | < 0.050 | < 0.050 | <0.050 | < 0.150 | < 0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 32 |
| V2C-3.5' | 3.5' | 11/14/19 | < 0.050 | < 0.050 | 0.060 | 0.165 | <0.300 | 60.8 | 7360 | 1740 | 9160.8 | 96 |
| V2C-4' | 4' | 12/12/19 | < 0.050 | < 0.050 | <0.050 | < 0.150 | < 0.300 | <10.0 | 1500 | 572 | 2072 | 144 |
| V2C-4.5' | 4.5' | 01/09/20 | <0.050 | < 0.050 | < 0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 736 |
| V3C-2' | 2' | 11/14/19 | <0.050 | < 0.050 | < 0.050 | <0.150 | < 0.300 | <10.0 | 524 | 177 | 701 | 128 |
| V4C-1.5 | 1.5' | 11/14/19 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 277 | 127 | 404 | 448 |
| V5C-2.5' | 2.5' | 11/14/19 | < 0.050 | <0.050 | <0.050 | <0.150 | < 0.300 | <10.0 | 22.6 | <10.0 | 22.6 | 432 |
| V6C-2.5' | 2.5' | 11/14/19 | <0.100 | 1.28 | 3.19 | 9.88 | 14.3 | 253 | 1660 | 239 | 2152 | 720 |
| V6C-3' | 3' | 12/12/19 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 197 | 176 | 373 | 336 |
| V7C-7.5 | 7.5' | 11/14/19 | 9.83 | 93.1 | 85.0 | 192 | 379 | 4440 | 16200 | 2270 | 22910 | 80 |
| V7C-9' | 9' | 12/12/19 | <0.050 | <0.050 | <0.050 | < 0.150 | < 0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 416 |
| V8C-7.5' | 7.5' | 11/14/19 | <0.100 | 1.01 | 3.21 | 8.34 | 12.6 | 146 | 1190 | 167 | 1503 | 48 |
| V8C-9' | 9' | 12/12/19 | <0.050 | <0.050 | <0.050 | <0.150 | < 0.300 | <10.0 | 15.2 | <10.0 | 15.2 | 576 |
| | | | | | | | | | | | | |
| H1 | 0-7.5 | 11/14/19 | < 0.050 | < 0.050 | 0.089 | 0.290 | 0.379 | 13.1 | 1250 | 298 | 1561.1 | 480 |
| H1-2 | 0-9 | 12/12/19 | < 0.050 | < 0.050 | <0.050 | < 0.150 | < 0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 560 |
| H2 | 0-7.5 | 11/14/19 | <0.050 | <0.050 | <0.050 | <0.150 | < 0.300 | <10.0 | 10.2 | <10.0 | 10.2 | 224 |
| H3 | 0-3.5 | 11/14/19 | < 0.050 | < 0.050 | < 0.050 | < 0.150 | < 0.300 | <10.0 | 965 | 384 | 1349 | 720 |
| H3-2 | 0-4 | 12/12/19 | < 0.050 | < 0.050 | < 0.050 | < 0.150 | < 0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 432 |
| H4 | 0-1.5 | 11/14/19 | < 0.050 | < 0.050 | <0.050 | < 0.150 | < 0.300 | <10.0 | 149 | 74.8 | 223.8 | 1170 |
| H4-2 | 0-1.5 | 12/12/19 | < 0.050 | < 0.050 | <0.050 | < 0.150 | < 0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 32 |
| H5 | 0-2.5 | 11/14/19 | <0.050 | <0.050 | <0.050 | <0.150 | < 0.300 | <10.0 | 98.8 | 50.9 | 149.7 | 448 |
| H6 | 0-2.5 | 11/14/19 | <0.050 | <0.050 | <0.050 | <0.150 | < 0.300 | <10.0 | 150 | 36.9 | 186.9 | 384 |
| H7 | 0-2.5 | 11/14/19 | <0.050 | <0.050 | <0.050 | <0.150 | < 0.300 | <10.0 | 432 | 341 | 773 | 736 |
| H7-2 | 0-2.5 | 12/12/19 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 80 |
| H8 | 0-2 | 11/14/19 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 104 | 47.8 | 151.8 | 192 |
| H9 | 0-3.5 | 11/14/19 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 664 | 372 | 1036 | 624 |
| H9-2 | 0-4 | 12/12/19 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 656 |
| H9-3 | 0-4.5 | 01/09/20 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | <10.0 | 528 |
| H10 | 0-7.5 | 11/14/19 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 123 | 40.2 | 163.2 | 112 |





Figure 1 Site Map with Sample Points



January 17, 2020

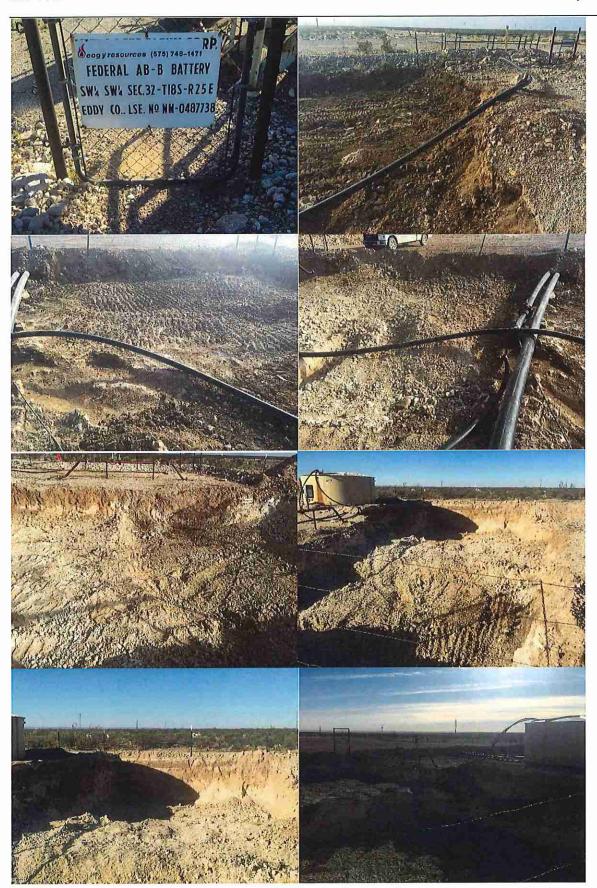




Photos



January 17, 2020

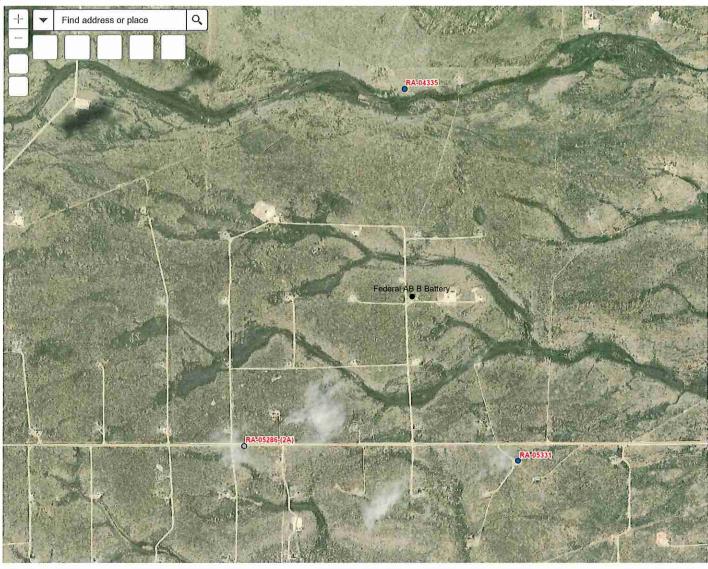


energy opportunity growth





Appendix ADepth to Groundwater Information







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

(A CLW#### in the POD suffix indicates the POD has been replaced & no longer serves a water right

(R=POD has been replaced, O=orphaned,

C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(NAD83 UTM in meters)

(In feet)

POD Sub-

QQQ

X

Water **DistanceDepthWellDepthWaterColumn**

POD Number RA 05331

Code basin County 6416 4 Sec Tws Rng 1 1 4 05 19S 25E RA ED

546308 3616955*

460

Average Depth to Water: Minimum Depth:

305 feet

0

305 feet

Maximum Depth:

305 feet

Record Count:

UTMNAD83 Radius Search (in meters):

Easting (X): 546308

Northing (Y): 3616955

Radius: 100

*UTM location was derived from PLSS - see Help

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

1/13/20 11:16 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



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

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

POD Number

RA 04335

(R=POD has been replaced, O=orphaned,

C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

400

POD Sub-

RA

QQQ

Code basin County 64 16 4 Sec Tws Rng CH 1 1 32 18S 25E

X γ 545580 3619275* Water

Distance DepthWellDepthWaterColumn

Average Depth to Water:

300 feet

Minimum Depth:

0

300 feet

Maximum Depth:

300 feet

Record Count:

UTMNAD83 Radius Search (in meters):

Easting (X): 545580

Northing (Y): 3619275

Radius: 100

*UTM location was derived from PLSS - see Help

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

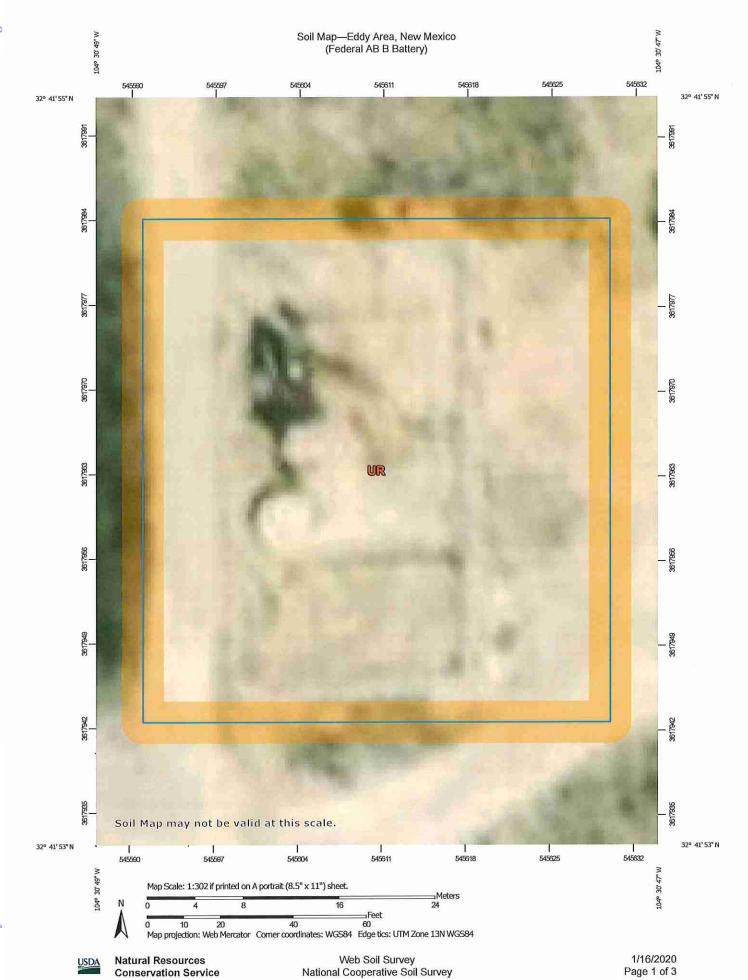
1/13/20 11:19 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

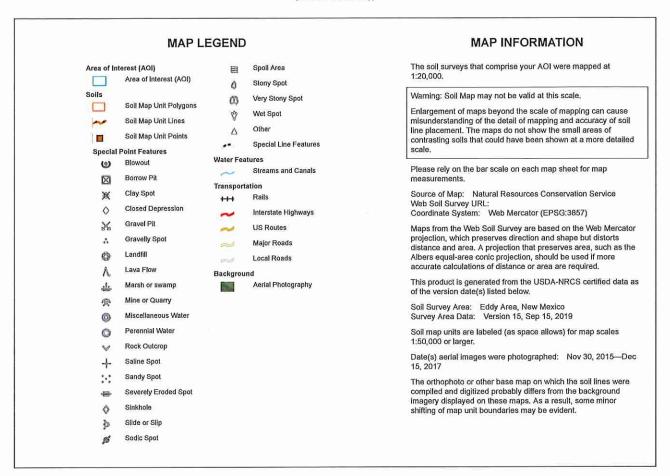


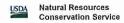
January 17, 2020

Appendix B NRCS Soil Classification



Soil Map—Eddy Area, New Mexico (Federal AB B Battery)





Map Unit Legend

| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI |
|-----------------------------|---|--------------|----------------|
| UR | Upton-Reagan complex, 0 to 9 percent slopes | 0.4 | 100.0% |
| Totals for Area of Interest | | 0.4 | 100.0% |





Appendix C 100 Year Floodplain Map



Navigation

Search

Languages

MSC Home (/portal/)

MSC Search by Address (/portal/search)

MSC Search All Products (/portal/advanceSearch)

MSC Products and Tools

Hazus (/portal/resources/hazus)

LOMC Batch Files (/portal/resources/lomc)

Product Availability (/portal/productAvailability)

MSC Frequently Asked Questions (FAQs) (/portal/resources/faq)

MSC Email Subscriptions (/portal/subscriptionHome)

Contact MSC Help (/portal/resources/contact)

FEMA Flood Map Service Center: Search By Address

Enter an address, place, or coordinates: 0

Enter an address, place, or coordinates

Search

Users may experience download failures on the Flood Map Service Center (MSC) website when working with large files. If you are working with files larger than 100Mb, try downloading during non-peak hours.

Whether you are in a high risk zone or not, you may need <u>flood insurance (https://www.ferna.gov/national-flood-insurance-program</u>) because most horreconners insurance deesn't cover flood damage. If you like in an area with low or moderate flood risk; you are 5 times more likely to experience flood than a fire in your home over the next 30 years. For many, a National Flood insurance Program's flood insurance policy could cost less than \$400 per year. Call your insurance agent today and protect what you've built.

Learn more about greps you can take (https://www.fema.gov/what-mitigation) to reduce flood risk damage.

Search Results—Products for EDDY COUNTY UNINCORPORATED AREAS

Show ALL. Products * (https://msc.fema.gov/portal/availability/Search?add.community=350120&.communityName=EDDY COUNTY UNINCORPORATED AREAS#searchresults anchor)

The flood map for the selected area is number 35015C0125D, effective on 06/04/2010 @

DYNAMIC MAP



MAP IMAGE



(https://msc.fema.gov/portal/downloadProduct?

filepath=/35/P/Firm/35015C0125D.tif&productTypeID=FINAL_PRODUCT&productSubTypeID=FIRM_PANEL&productID=35015C0125D)

Changes to this FIRM 1

Revisions (0) Amendments (0) Revalidations (0)

You can choose a new flood map or move the location pin by selecting a different location on the locator map below or by entering a new location in the search field above. It may take a minute or more during peak hours to generate a dynamic FiRMette. If you are a person with a disability, are blind, or have low vision, and need assistance, please contact a map specialist (https://msc.fema.gov/portal/resources/contact).

 $Go\ To\ NFHL\ Viewer\ * \ (https://hazards-fema.maps.arcgis.com/apps/webappviewer/index.html?id=8b0adb51996444d4879338b5529aa9cd&extent=-104.85707620620396,32.519038647$







Home (//www.fema,gov/) Download Plug-ins (//www.fema.gov/download-plug-ins) About Us (//www.fema.gov/about-agency) Privacy Policy (//www.fema.gov/privacy-policy) FOIA (//www.fema.gov/fola) Office of the Inspector General (//www.oig.dhs.gov/) Strategic Plan (//www.fema.gov/fema-strategic-plan) Whitehouse.gov (//www.whitehouse.gov) DHS.gov (//www.dhs.gov) Ready.gov (//www.ready.gov) USA.gov (//www.usa.gov) DisasterAssistance.gov (//www.disasterassistance.gov/)



(https://www.oig.dhs.gov/hotline)

Official website of the Department of Homeland Security





Appendix DLaboratory Soil Data



October 22, 2019

CHASE SETTLE
EOG Y RESOURCES, INC
105 SOUTH 4TH STREET
ARTESIA, NM 88210

RE: FEDERAL AB - B BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 10/17/19 14:53.

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/qa/lab accred certif.html.

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

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celeg D. Keena

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. Keene

Lab Director/Quality Manager



Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210 Fax To: (575) 748-4131

Received:

10/17/2019

Sampling Date:

10/17/2019

Reported:

10/22/2019

Sampling Type:

Soil

Project Name:

FEDERAL AB - B BATTERY

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

FEDERAL AB-B BATTERY

Sample ID: V 1 - 2' (H903558-01)

| BTEX 8021B | mg/kg | | Analyzed By: BF | | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <2.00 | 2.00 | 10/20/2019 | ND | 2.02 | 101 | 2.00 | 0.404 | |
| Toluene* | 11.5 | 2.00 | 10/20/2019 | ND | 2.09 | 104 | 2.00 | 0.633 | |
| Ethylbenzene* | 38.3 | 2.00 | 10/20/2019 | ND | 2.02 | 101 | 2.00 | 1.59 | |
| Total Xylenes* | 90.0 | 6.00 | 10/20/2019 | ND | 6.06 | 101 | 6.00 | 1.11 | |
| Total BTEX | 140 | 12.0 | 10/20/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 105 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 10/21/2019 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | S-06 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 2760 | 50.0 | 10/18/2019 | ND | 208 | 104 | 200 | 3.40 | |
| DRO >C10-C28* | 12900 | 50.0 | 10/18/2019 | ND | 200 | 100 | 200 | 4.71 | |
| EXT DRO >C28-C36 | 2320 | 50.0 | 10/18/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 457 | % 41-142 | 34 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 482 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by clernt, its subclidates, and interruptions, loss of use, or loss of use, or



Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210 (575) 748-4131 Fax To:

Received:

10/17/2019

Sampling Date:

10/17/2019

Reported:

10/22/2019

Sampling Type:

Soil

Project Name:

FEDERAL AB - B BATTERY

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

FEDERAL AB-B BATTERY

Sample ID: V 1 - 3' (H903558-02)

| BTEX 8021B | mg/kg | | Analyzed By: BF | | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <2.00 | 2.00 | 10/20/2019 | ND | 2.02 | 101 | 2.00 | 0.404 | |
| Toluene* | 15.7 | 2.00 | 10/20/2019 | ND | 2.09 | 104 | 2,00 | 0.633 | |
| Ethylbenzene* | 43,6 | 2.00 | 10/20/2019 | ND | 2.02 | 101 | 2.00 | 1.59 | |
| Total Xylenes* | 117 | 6.00 | 10/20/2019 | ND | 6.06 | 101 | 6.00 | 1.11 | |
| Total BTEX | 176 | 12.0 | 10/20/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 107 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg/kg | | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 10/21/2019 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | S-06 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 2750 | 50.0 | 10/18/2019 | ND | 208 | 104 | 200 | 3.40 | |
| DRO >C10-C28* | 11800 | 50.0 | 10/18/2019 | ND | 200 | 100 | 200 | 4.71 | |
| EXT DRO >C28-C36 | 2170 | 50,0 | 10/18/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 448 9 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 443 9 | % 37.6-14 | 7 | | | | | | |

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Celey D. Ken



Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210

Fax To:

(575) 748-4131

Received:

10/17/2019

Sampling Date:

10/17/2019

Reported:

10/22/2019

Sampling Type:

Soil

Project Name:

FEDERAL AB - B BATTERY

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

FEDERAL AB-B BATTERY

Sample ID: V 1 - 4' (H903558-03)

| BTEX 8021B | mg/kg | | Analyzed By: BF | | | | | | |
|--------------------------------------|-------------------------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/20/2019 | ND | 2.02 | 101 | 2.00 | 0.404 | |
| Toluene* | <0.050 | 0.050 | 10/20/2019 | ND | 2.09 | 104 | 2.00 | 0.633 | |
| Ethylbenzene* | 0.057 | 0.050 | 10/20/2019 | ND | 2.02 | 101 | 2.00 | 1.59 | |
| Total Xylenes* | <0.150 | 0.150 | 10/20/2019 | ND | 6.06 | 101 | 6.00 | 1.11 | |
| Total BTEX | <0.300 | 0.300 | 10/20/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 99.5 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | oride, SM4500Cl-B mg/kg | | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 352 | 16.0 | 10/21/2019 | 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 | 10/18/2019 | ND | 208 | 104 | 200 | 3.40 | |
| DRO >C10-C28* | 10.2 | 10.0 | 10/18/2019 | ND | 200 | 100 | 200 | 4.71 | |
| EXT DRO >C28-C36 | 12.4 | 10.0 | 10/18/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 76.9 | % 41-142 | N. | | | | | | |
| Surrogate: 1-Chlorooctadecane | 86.4 | % 37.6-14 | 7 | | | | | | |

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Celeg D. Keine



Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210 Fax To: (575) 748-4131

Received:

10/17/2019

Sampling Date:

10/17/2019

Reported:

10/22/2019

Sampling Type:

Soil

Project Name:

FEDERAL AB - B BATTERY

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

FEDERAL AB-B BATTERY

Sample ID: V 2 - 3' (H903558-04)

| BTEX 8021B | mg, | /kg | Analyze | d By: BF | | | | | |
|--------------------------------------|-------------------------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.500 | 0.500 | 10/20/2019 | ND | 2.02 | 101 | 2.00 | 0.404 | |
| Toluene* | 1.74 | 0.500 | 10/20/2019 | ND | 2.09 | 104 | 2.00 | 0.633 | |
| Ethylbenzene* | 8.51 | 0.500 | 10/20/2019 | ND | 2.02 | 101 | 2.00 | 1.59 | |
| Total Xylenes* | 23.9 | 1.50 | 10/20/2019 | ND | 6.06 | 101 | 6.00 | 1.11 | |
| Total BTEX | 34.2 | 3.00 | 10/20/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 108 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | oride, SM4500Cl-B mg/kg | | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1410 | 16.0 | 10/21/2019 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | S-06 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 1180 | 100 | 10/18/2019 | ND | 208 | 104 | 200 | 3,40 | |
| DRO >C10-C28* | 14400 | 100 | 10/18/2019 | ND | 200 | 100 | 200 | 4.71 | |
| EXT DRO >C28-C36 | 5130 | 100 | 10/18/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 293 | % 41-142 | 8 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 637 | % 37.6-14 | 7 | | | | | | |

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Celley D. Keine



Analytical Results For:

EOG Y RESOURCES, INC **CHASE SETTLE** 105 SOUTH 4TH STREET ARTESIA NM, 88210 Fax To: (575) 748-4131

Received:

10/17/2019

10/17/2019 Sampling Date:

Reported:

10/22/2019

Sampling Type:

Soil

Project Name:

FEDERAL AB - B BATTERY

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

FEDERAL AB-B BATTERY

Sample ID: V 2 - 4' (H903558-05)

| BTEX 8021B | mg/kg | | Analyze | Analyzed By: BF | | | | | |
|--------------------------------------|--------|-----------------|-----------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/20/2019 | ND | 2.02 | 101 | 2,00 | 0.404 | |
| Toluene* | <0.050 | 0.050 | 10/20/2019 | ND | 2.09 | 104 | 2.00 | 0.633 | |
| Ethylbenzene* | <0.050 | 0.050 | 10/20/2019 | ND | 2.02 | 101 | 2.00 | 1.59 | |
| Total Xylenes* | 0.194 | 0.150 | 10/20/2019 | ND | 6.06 | 101 | 6.00 | 1.11 | |
| Total BTEX | <0.300 | 0.300 | 10/20/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 111 9 | % 73.3-12 | 9 | | | _ | | | |
| Chloride, SM4500CI-B | mg/kg | | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 10/21/2019 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | S-04 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 96.6 | 10.0 | 10/19/2019 | ND | 208 | 104 | 200 | 3.40 | |
| DRO >C10-C28* | 2960 | 10.0 | 10/19/2019 | ND | 200 | 100 | 200 | 4.71 | |
| EXT DRO >C28-C36 | 1060 | 10.0 | 10/19/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 110 9 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 187 9 | % 37.6-14 | 7 | | | | | | |

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Celleg & Keene



Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210 Fax To: (575) 748-4131

Received:

10/17/2019

Sampling Date:

. 10/17/2019

Reported:

10/22/2019

Sampling Type:

Soil

Project Name:

FEDERAL AB - B BATTERY

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

FEDERAL AB-B BATTERY

Sample ID: V 3 - 1' (H903558-06)

| BTEX 8021B | mg/kg | | Analyzed By: BF | | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/20/2019 | ND | 2.02 | 101 | 2.00 | 0.404 | |
| Toluene* | <0.050 | 0.050 | 10/20/2019 | ND | 2.09 | 104 | 2.00 | 0.633 | |
| Ethylbenzene* | 0.219 | 0.050 | 10/20/2019 | ND | 2.02 | 101 | 2.00 | 1.59 | |
| Total Xylenes* | 1.26 | 0.150 | 10/20/2019 | ND | 6.06 | 101 | 6.00 | 1.11 | |
| Total BTEX | 1.48 | 0.300 | 10/20/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIE | 115 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2840 | 16.0 | 10/21/2019 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | S-06 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 82.3 | 50.0 | 10/18/2019 | ND | 208 | 104 | 200 | 3.40 | |
| DRO >C10-C28* | 3320 | 50.0 | 10/18/2019 | ND | 200 | 100 | 200 | 4.71 | |
| EXT DRO >C28-C36 | 685 | 50.0 | 10/18/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 141 9 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 222 | % 37.6-14 | 7 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210 Fax To: (575) 748-4131

Received:

10/17/2019

10/22/2019

Reported: Project Name:

FEDERAL AB - B BATTERY

Project Number:

Project Location:

NONE GIVEN

FEDERAL AB-B BATTERY

Sampling Date:

10/17/2019

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: V 3 - 2' (H903558-07)

| BTEX 8021B | mg/kg | | Analyzed By: BF | | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/20/2019 | ND | 2.02 | 101 | 2.00 | 0.404 | |
| Toluene* | <0.050 | 0.050 | 10/20/2019 | ND | 2.09 | 104 | 2.00 | 0.633 | |
| Ethylbenzene* | 0.544 | 0.050 | 10/20/2019 | ND | 2.02 | 101 | 2.00 | 1.59 | |
| Total Xylenes* | 0.620 | 0.150 | 10/20/2019 | ND | 6.06 | 101 | 6.00 | 1.11 | |
| Total BTEX | 1.16 | 0.300 | 10/20/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 120 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg/kg | | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 10/21/2019 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | î. | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/18/2019 | ND | 208 | 104 | 200 | 3.40 | |
| DRO >C10-C28* | 398 | 10.0 | 10/18/2019 | ND | 200 | 100 | 200 | 4.71 | |
| EXT DRO >C28-C36 | 105 | 10.0 | 10/18/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 100 | % 41-142 |) | | | | | | |
| Surrogate: 1-Chlorooctadecane | 119 | % 37.6-14 | 7 | | | | | | |

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Celey D. Keens



Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210 Fax To: (575) 748-4131

Received:

10/17/2019

Sampling Date:

10/17/2019

Reported:

10/22/2019

Sampling Type:

Soil

Project Name:

FEDERAL AB - B BATTERY

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

FEDERAL AB-B BATTERY

Sample ID: V 3 - 2.5' (H903558-08)

| 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 | 10/20/2019 | ND | 2.02 | 101 | 2.00 | 0.404 | |
| Toluene* | <0.050 | 0.050 | 10/20/2019 | ND | 2.09 | 104 | 2.00 | 0.633 | |
| Ethylbenzene* | 0.171 | 0.050 | 10/20/2019 | ND | 2.02 | 101 | 2.00 | 1.59 | |
| Total Xylenes* | 0.340 | 0.150 | 10/20/2019 | ND | 6.06 | 101 | 6.00 | 1.11 | |
| Total BTEX | 0.511 | 0.300 | 10/20/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 107 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | ride, SM4500Cl-B mg/kg | | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 10/21/2019 | 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* | 29.8 | 10.0 | 10/18/2019 | ND | 208 | 104 | 200 | 3.40 | |
| DRO >C10-C28* | 554 | 10,0 | 10/18/2019 | ND | 200 | 100 | 200 | 4.71 | |
| EXT DRO >C28-C36 | 165 | 10.0 | 10/18/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 93.2 9 | % 41-142 | ij | | | | | | |
| Surrogate: 1-Chlorooctadecane | 1129 | 6 37.6-14 | 7 | | | | | | |

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Celeg D. Keene



Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210 Fax To: (575) 748-4131

Received:

10/17/2019

Reported:

10/22/2019

Project Name: Project Number: FEDERAL AB - B BATTERY

Project Location:

NONE GIVEN

FEDERAL AB-B BATTERY

Sampling Date:

10/17/2019

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: V 4 - 1' (H903558-09)

| BTEX 8021B | mg/kg | | Analyzed By: BF | | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.500 | 0.500 | 10/20/2019 | ND | 2.02 | 101 | 2.00 | 0.404 | |
| Toluene* | 4.38 | 0.500 | 10/20/2019 | ND | 2.09 | 104 | 2.00 | 0.633 | |
| Ethylbenzene* | 10.1 | 0.500 | 10/20/2019 | ND | 2.02 | 101 | 2.00 | 1.59 | |
| Total Xylenes* | 25.1 | 1.50 | 10/20/2019 | ND | 6.06 | 101 | 6.00 | 1.11 | |
| Total BTEX | 39.5 | 3.00 | 10/20/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 106 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 10800 | 16.0 | 10/21/2019 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg, | 'kg | Analyze | d By: MS | | | | | S-06 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 746 | 50.0 | 10/18/2019 | ND | 208 | 104 | 200 | 3.40 | |
| DRO >C10-C28* | 17900 | 50.0 | 10/18/2019 | ND | 200 | 100 | 200 | 4.71 | |
| EXT DRO >C28-C36 | 3510 | 50.0 | 10/18/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 292 | % 41-142 | ļ. | | | | | | |
| Surrogate: 1-Chlorooctadecane | 686 | % 37.6-14 | 7 | | | | | | |

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Celey D. Keene





Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210 Fax To: (575) 748-4131

Received:

10/17/2019

Sampling Date:

10/17/2019

Reported:

10/22/2019

Sampling Type:

Soil

Project Name:

FEDERAL AB - B BATTERY

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

FEDERAL AB-B BATTERY

Sample ID: V 4 - 1.25' (H903558-10)

| BTEX 8021B | mg/kg | | Analyzed By: BF | | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifie |
| Benzene* | <0.500 | 0.500 | 10/20/2019 | ND | 2.02 | 101 | 2.00 | 0.404 | |
| Toluene* | <0.500 | 0.500 | 10/20/2019 | ND | 2.09 | 104 | 2.00 | 0.633 | |
| Ethylbenzene* | 9.76 | 0.500 | 10/20/2019 | ND | 2.02 | 101 | 2.00 | 1.59 | |
| Total Xylenes* | 22.9 | 1.50 | 10/20/2019 | ND | 6.06 | 101 | 6.00 | 1.11 | |
| Total BTEX | 32.6 | 3.00 | 10/20/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 112 % | 6 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg/kg | | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1330 | 16.0 | 10/21/2019 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/kg | | Analyzed By: MS | | | | | | S-06 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 609 | 50.0 | 10/19/2019 | ND | 214 | 107 | 200 | 1.79 | QM-07 |
| DRO >C10-C28* | 4060 | 50.0 | 10/19/2019 | ND | 209 | 104 | 200 | 0.107 | QM-07 |
| EXT DRO >C28-C36 | 599 | 50.0 | 10/19/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 152 % | 6 41-142 | 7 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 212 % | 37.6-14 | 7 | | | | | | |

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Celeg & Keene



Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210 Fax To: (575) 748-4131

Received:

10/17/2019

Sampling Date:

10/17/2019

Reported:

10/22/2019

Sampling Type:

Soil

Project Name:

FEDERAL AB - B BATTERY

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

FEDERAL AB-B BATTERY

Sample ID: V 5 - 2' (H903558-11)

| BTEX 8021B | mg, | /kg | Analyze | d By: BF | | | | | |
|--------------------------------------|--------|-----------------|-----------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.500 | 0.500 | 10/20/2019 | ND | 2.02 | 101 | 2.00 | 0.404 | |
| Toluene* | 7.97 | 0.500 | 10/20/2019 | ND | 2.09 | 104 | 2.00 | 0.633 | |
| Ethylbenzene* | 19.2 | 0.500 | 10/20/2019 | ND | 2.02 | 101 | 2,00 | 1.59 | |
| Total Xylenes* | 41.9 | 1.50 | 10/20/2019 | ND | 6.06 | 101 | 6.00 | 1.11 | |
| Total BTEX | 69.0 | 3.00 | 10/20/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 109 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/kg | | Analyze | Analyzed By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 7360 | 16.0 | 10/21/2019 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/kg | | Analyzed By: MS | | | | | | S-06 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 933 | 50.0 | 10/19/2019 | ND | 214 | 107 | 200 | 1.79 | |
| DRO >C10-C28* | 11600 | 50.0 | 10/19/2019 | ND | 209 | 104 | 200 | 0.107 | |
| EXT DRO >C28-C36 | 2060 | 50.0 | 10/19/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 200 | % 41-142 | ? | | | | | | |
| Surrogate: 1-Chlorooctadecane | 418 | % 37.6-14 | 7 | | | | | | |

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Celeg Ditreene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210 Fax To: (575) 748-4131

Received:

10/17/2019

Sampling Date:

10/17/2019

Reported:

10/22/2019

Sampling Type:

Soil

Project Name:

FEDERAL AB - B BATTERY

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

FEDERAL AB-B BATTERY

Sample ID: V 5 - 2.25' (H903558-12)

| BTEX 8021B | mg/kg | | Analyzed By: BF | | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 10/20/2019 | ND | 2.02 | 101 | 2.00 | 0.404 | |
| Toluene* | <0.050 | 0.050 | 10/20/2019 | ND | 2.09 | 104 | 2.00 | 0.633 | |
| Ethylbenzene* | 0.071 | 0.050 | 10/20/2019 | ND | 2.02 | 101 | 2.00 | 1.59 | |
| Total Xylenes* | 0.173 | 0.150 | 10/20/2019 | ND | 6.06 | 101 | 6.00 | 1.11 | |
| Total BTEX | <0.300 | 0.300 | 10/20/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 101 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg/kg | | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 10/21/2019 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/kg | | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 10/19/2019 | ND | 214 | 107 | 200 | 1.79 | |
| DRO >C10-C28* | 27.4 | 10.0 | 10/19/2019 | ND | 209 | 104 | 200 | 0.107 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 10/19/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 100 5 | % 41-142 | E' | | | | | | |
| Surrogate: 1-Chlorooctadecane | 107 | % 37.6-14 | 7 | | | | | | |

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Celeg D. Keine



Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210

Fax To:

(575) 748-4131

Received:

10/17/2019

Sampling Date:

10/17/2019

Reported:

10/22/2019

Sampling Type:

Soil

Project Name:

FEDERAL AB - B BATTERY

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

FEDERAL AB-B BATTERY

Sample ID: V 6 - 2' (H903558-13)

| BTEX 8021B | mg/kg | | Analyzed By: BF | | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | 9.29 | 2.00 | 10/20/2019 | ND | 2.02 | 101 | 2.00 | 0.404 | |
| Toluene* | 189 | 2.00 | 10/20/2019 | ND | 2.09 | 104 | 2.00 | 0.633 | |
| Ethylbenzene* | 158 | 2.00 | 10/20/2019 | ND | 2,02 | 101 | 2.00 | 1.59 | |
| Total Xylenes* | 274 | 6.00 | 10/20/2019 | ND | 6.06 | 101 | 6.00 | 1.11 | |
| Total BTEX | 631 | 12.0 | 10/20/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 103 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: AC | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 5440 | 16.0 | 10/21/2019 | ND | 432 | 108 | 400 | 0.00 | |
| TPH 8015M | mg/kg | | Analyzed By: MS | | | | | | S-06 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 3740 | 50.0 | 10/19/2019 | ND | 214 | 107 | 200 | 1.79 | |
| DRO >C10-C28* | 10100 | 50.0 | 10/19/2019 | ND | 209 | 104 | 200 | 0.107 | |
| EXT DRO >C28-C36 | 1400 | 50.0 | 10/19/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 282 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 358 | % 37.6-14 | 7 | | | | | | |

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Celey D. Keine



Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210 Fax To: (575) 748-4131

Received:

10/17/2019

Sampling Date:

10/17/2019

Reported:

10/22/2019

Sampling Type:

Soil

Project Name:

FEDERAL AB - B BATTERY

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Jodi Henson

Project Location:

FEDERAL AB-B BATTERY

Sample ID: V 6 - 2.25' (H903558-14)

| BTEX 8021B | mg | /kg | Analyze | d By: BF | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | 0.070 | 0.050 | 10/20/2019 | ND | 2.02 | 101 | 2.00 | 0.404 | |
| Toluene* | 0.962 | 0.050 | 10/20/2019 | ND | 2.09 | 104 | 2,00 | 0.633 | |
| Ethylbenzene* | 0.992 | 0.050 | 10/20/2019 | ND | 2.02 | 101 | 2.00 | 1.59 | |
| Total Xylenes* | 1.93 | 0.150 | 10/20/2019 | ND | 6.06 | 101 | 6.00 | 1.11 | |
| Total BTEX | 3.96 | 0.300 | 10/20/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 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 | 752 | 16.0 | 10/21/2019 | 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* | 66.9 | 10.0 | 10/19/2019 | ND | 214 | 107 | 200 | 1.79 | |
| DRO >C10-C28* | 488 | 10.0 | 10/19/2019 | ND | 209 | 104 | 200 | 0.107 | |
| EXT DRO >C28-C36 | 64.5 | 10.0 | 10/19/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 116 | % 41-142 | <u> </u> | | | | | | |
| Surrogate: 1-Chlorooctadecane | 122 | % 37.6-14 | 7 | | | | | | |

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Celeg D. Keen



Notes and Definitions

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

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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Celeg D. Keene

Received by PQD; 1/17/2020 12:37:30 PM

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Page 17 of 18

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|------------------------------|--|---|-------------------------|---|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|--|------------------|----------------|--------------------|-------------------|----------------------|---------------------------------------|--------------------|----------------------|--|
| Relinquished by: | Relinquished by: | Relinquisbed by: | | Special | 0 | 2 | B | 7 | 0 | S | 1, | w | | _ | LAB # (lab use only) | ORDER #: | (lab use only) | | | | | | | (K |
| shed by: | hed by: | bed by: | | Special Instructions: | V4-1.25' | V4-1' | V3-2.5' | V3-2' | V3-1' | V2-4' | V2-3' | V1.4. | V1-3' | V1-2' | FIELD CODE | 無にもしつうつの | | Sampler Signature: | Telephone No: 575 | City/State/Zip: Arte | Company Address: 104 South 4th Street | Company Name EOG | Project Manager: Cha | ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 |
| Date | Date | 10-17-19 | | TPH EXTENDED NEEDED | | | | | | | | | | | OD m | 0 | 0 | 1/2/ | 575-748-1471 | Artesia, NM 88210 | South 4th Street | EOG Resources Inc. | Chase Settle | ATORIES Hobbs, NM 88240 |
| _ | | 1 | | NEE | | | | | | | | | | | Beginning Depth | | | | | | | | | |
| Time | Time | Time | | DEC | | | | | | | | | | | Ending Depth | | | | | | | | | |
| Received by ELOT: | Received by: | Received by: | | | 10/17/2019 | 10/17/2019 | 10/17/2019 | 10/17/2019 | 10/17/2019 | 10/17/2019 | 10/17/2019 | 10/17/2019 | 10/17/2019 | 10/17/2019 | Date Sampled | | | | | | | | | (505) 393-2326 FAX (505) 393-2476 |
| 01: | | Hurson | | | 8:47 AM | 8:42 AM | 8:39 AM | 8:36 AM | 8:33 AM | 8:31 AM | 8:29 AM | 8:26 AM | 8:25 AM | 8:24 AM | Time Sampled | | | e-mail: | Fax No: | | | | | FAX (505) 393-2 |
| | | 8 | | | _ | L | Ļ | L | | | | | _ | _ | Field Filtered Total #. of Containers | - | | IO | 1 | | | | | 2476 |
| | | 7 | | | × | × | × | × | × | × | × | × | × | × | Ice | \dagger | | Chase | | | | | | |
| | | 1 | | | Ĥ | ^ | Ĥ | | | $\hat{}$ | | | | | HNO ₃ | Pres | | | | | | | | |
| | |) | | | \vdash | _ | | \vdash | | | | | | | HCI | Preservation & # | | Settle | | | | | | |
| | | | | | - | - | T | | | | | Ħ | | | H₂SO₄ | ion & | | E E | | | | | | |
| | | | | | | | T | | | | | | | | NaOH | 46 | | 0 | | | | | | |
| | | | | | | | 1 | | | | | | | | Na ₂ S ₂ O ₃ | Cont | | lö | | | | | | |
| | | 18 | | | | | Т | | | | | | | | None | of Containers | | leg ge | | | | 1 | | |
| Ç | , | - | | | | | | | | | | | | | Other (Specify) | | | lo D | | | | | | |
| Date | Date | 19 | | | S | s | s | ဟ | S | S | s | s | s | s | DW=Drinking Water SL=Sludge GW = Groundwater S=Soll/Solid NP=Non-Potable Specify Other | Matrix | | @eogresources.com | Report Format: | | 70 | | Proj | |
| ime | Time | 14:53 | | | × | × | × | × | × | × | × | × | × | × | TPH: 8015B EXTENDED | 2 | | B | Form | | Project Loc: | Project #: | Project Name: | |
| | | | | /O. F | _ | | - | _ | - | | ⊢ | - | - | 1 | TPH: TX 1005 TX 1006 | | | 1 | ar | PO #: | 5 | ect # | ame | |
| Tem | Sam | abe Sust | 00 | Sam | _ | _ | _ | | - | _ | _ | | _ | - | Cations (Ca, Mg, Na, K) | | _ | 1 | [V] | | 122 | 25 | 1 19 | |
| рега | ble l | ody ody | SFr | ple (| | - | - | - | - | - | ┝ | | - | - | Anions (CI, SO4, Alkalinity) SAR / ESP / CEC | | TCLP: | 1 | x Standard | 205-0750 | | 1 | | |
| ture | Han ampl ourie | n co sea sea | ee c | Con | _ | _ | - | <u> </u> | _ | - | - | <u> </u> | - | - | | | | 60 | tand | 750 | | | | |
| Temperature Upon Receipt 1.8 | Sample Hand Delivered by Sampler/Client Rep. ? by Courier? UPS | Labels on container(s) Custody seals on container(s) Custody seals on cooler(s) | VOCs Free of Headspace? | Laboratory Comments: Sample Containers Intact? | _ | - | - | - | | - | \vdash | - | - | - | Metals: As Ag Ba Cd Cr Pb Hg Volatiles | 9 00 | | Analyze | ard | | -77 | | 701 | |
| 9 7 | lient | 1 cor (s | ads | inei Inei | - | - | - | - | - | _ | - | - | - | - | Semivolatiles | | | 5 | | | ed | ı | ede | |
| ece | Pep | s) Itain Iler(s | pace | nts: | | U | J | - | V | × | V | × | × | × | BTEX: 8021B | | + | TI PI | П | | Federal AB-B | | eral | |
| add . | | er(s | :5 | :3 | × | × | × | × | × | ^ | × | <u> </u> | 1 | | RCI | | | | TRRP | | AB | | AB | |
| 00 | 무 | | | | _ | \vdash | - | - | | - | - | - | - | - | N.O.R.M. | | | | Ŕ | | ф | | Federal AB-B Battery | |
| | ת | | | 1 | × | × | × | × | × | × | × | × | × | × | Chlorides | | | | | | Battery | | Batt | |
| 17 | \$\f\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | P< -< | k | 3 | ^ | | | 1 | | - | | | 23 | | SAR | | | | | | ery | | ery | |
| | Ę V | | 1 | | | Г | | | | | | | | | | | | | NPDES | | | | | |
| ဂိ | N Lone Star | 308 |)4 | z | | | | | | | | | | | RUSH TAT (Pre-Schedule) 24, | , 48, 72 | hrs hrs | _ | SES | | | | | |
| | គ្ | | | | × | × | × | × | × | × | × | × | × | × | Standard TAT | | | | | | | | | |

Page 18 of 18

ARDINAL LABORATORIES
101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

| Page 40 | | Relinguished by: | Relinquished by: | Relinquished by: | opecial | | | | | 71 | 13 | 17 | = | LAB#(lab use only) | | ORDER # | (lab use only) | | | | | | |
|----------------------------|--------------------------|--|---|-------------------------|-----------------------|--------|----------|----|-----------------|------------|------------|------------|---------------|--|--|----------|----------------|-------------------------|----------------|-------------------|---------------------------------------|--------------------|----------------------|
| | 3, | hed by: | hed by: | hed by: | Special instructions: | | | | | V6-2.25' | 13 16-21 | V5-2.25' | V5-2' | | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | # | only) | Sampler Signature: | Telephone No: | City/State/Zip: | Company Addres | Company Name | Project Manager: |
| | | 2 5 | (0-17-14) | | IPH EXTENDED NEEDED | | | | | | | | - | FIELD CODE | | | | , C | 575-748-1471 | Artesia, NM 88210 | Company Address: 104 South 4th Street | EOG Resources Inc. | Chase Settle |
| | î | Date to | 17-19 Pate | Date | NDEL | | Ì | | | | | | | | T | | | 1/ | 1 | | e | č | |
| | | -1 : | Z:53 | - | NEE | | | | | | | | | Beginning Depth | | | |) | | | | | |
| | ā | 8 8 | 153. | 3 | DED | | | | | | | | | Ending Depth | | | | ' | | | | | |
| | Received by ELOT: | Description by. | PAL | Donalina ha | | | | | | 10/17/2019 | 10/17/2019 | 10/17/2019 | 10/17/2019 | Date Sampled | | | | | | | | | |
| | ă | | Sten | | | | | | | 8:57 AM | 8:50 AM | 9:12 AM | 8:58 AM | Time Sampled | | | | e-mail: | Fax No: | | | | |
| | | | \$ | | | | | | | | | | | Field Fillered | | | | | 1 | 1 | | | |
| | | | 4 | | | _ | Н | | _ | _ | | -7 | - | Total #, of Containers | 1 | 1 | | Chase | | | | | |
| | | | 1 | | | | \vdash | _ | \vdash | × | × | × | × | Ice | - - | | | ase | | | | | |
| | | l. | Ш | | | _ | \vdash | | + | _ | | | | HNO ₃ | Preservation & # of | | | | | | 1 | | |
| | | | 1.5 | | | | \vdash | | | - | | | | HCI H₂SO₄ | /ation | ı | | Settle@eogresources.com | | | | | |
| | | | | | | | Н | | + | \dashv | | _ | | NaOH | # % | | | ea | | | 1 | | |
| | | | | | | | \vdash | - | \vdash | | | | | Na ₂ S ₂ O ₃ | | | |)eo | | | | | |
| - | | | 10 | | | | \vdash | | | | | | | None | Containers | | | gre | | | | | |
| | D | Ö | | | | | \Box | | | \neg | 7 | | | Other (Specify) | S | | | OS | | | | | |
| | Date | Date | Date 17) Ju | | i | | | | | | | | | DW=Drinking Water SL=Sludge | Ţ | | | UTC | | i | | | (I) |
| - | | | 2 | | | | | | П | S | S | S | ഗ | GW = Groundwater S=SolVSolid | Matrix | | | es. | Report Format: | | | | |
| | ∄ | = | Time 14:53 | - | | | \vdash | | \vdash | - | | _ | SIA. | NP=Non-Polable Specify Other | Ľ | <u> </u> | | ဋ | e F | | Pr | | Project Name: |
| | Time | Time | Time | | 1 | | \vdash | | \vdash | × | × | × | × | TPH: 8015B EXTENDED TPH: TX 1005 TX 1006 | _ | П | | מן | orn | | ojec | Pro | <u>5</u> |
| | = | S | | < (| 0 5 | | - | | \vdash | \dashv | - | - | - | 1.0000000000000000000000000000000000000 | | | | | at: | PO #: 205-0750 | Project Loc: | Project #: | lam |
| 12:37:30 PM |) in | g g g | abel usto | 300 | abo | - | \vdash | - | 1 | \dashv | - | \dashv | - | Cations (Ca, Mg, Na, K) Anions (Cl, SO4, Alkalinity) | | _ | | | [J] | # 2 | l _U | .# | ë |
| 9 | erat | Sar | s on dy s | Fie | ato | | - | - | 1-1 | + | \dashv | - | - | SAR / ESP / CEC | \dashv | TOTAL: | 2 | | x Standard | 9 | | | |
| 1 | S. | and nple nier | eals eals | e of | 7 | + | - | + | | + | \dashv | \dashv | \dashv | Metals: As Ag Ba Cd Cr Pb Hg | | r. | 4- | | tano | 750 | | | |
| 2 | P. | Clie | 995 | Hea | 9 | -1- | | - | $\vdash \vdash$ | \dashv | | + | -1 | Volatiles | | + | Anal | | ard | | | | |
| 0 | Temperaturé Upon Receipt | Sample Hand Delivered by Sampler/Client Rep. ? by Courier? UPS | Labels on container(s) Custody seals on container(s) Custody seals on cooler(s) | VOCs Free of Headspace? | Laboratory Comments: | | \dashv | + | \vdash | + | \dashv | - | - | Semivolatiles | \dashv | - | Analyze | | | | Federal AB-B | | Federal AB-B Battery |
| 20 | Cej. | လွန်မှိ မ | aine er(s | ace | 1 is | 7 | | +- | Η, | × : | × ; | × | \rightarrow | BTEX: 8021B | -+ | + | For: | | П | | ега | | era |
| 177 | H | HE '? |) 3(S) | .0 | Ĭ | | | - | H | | | e 1 | | RCI | | _ | | | 그 | | AE | | I AE |
| 7 | | Ë | Z E | | 1 | | - | + | | \dashv | - | \dashv | _ | N.O.R.M. | | | 1 | | TRRP | | 6 | | 3-B |
| 8 | | TI O | | 1 - | | | \dashv | | , | × ; | × ; | × ; | - | Chlorides | _ | - | 11 | | 5.00 - | | Bat | | Bat |
| D | | CO T | ~ ~ ~ | k(- | 9 | 1 | - | | - l' | | - 1 | + | _ | SAR | | | 11 | | П | | Battery | | tery |
| -9 | | | | 1 | | | | | \vdash | \dashv | | + | \dashv | ac #Mi | | - | 11 | | Z | | | | |
| vea | റ് | Lone Star | 33(2) | k 2 | | | _ | _ | | + | 1 | | | RUSH TAT (Pre-Schedule) 24, 4 | 18, 72 | hrs | | | NPDES | | | | |
| Received by DCD: 1/17/2020 | | <u>r</u> | | | | \neg | _ | | - | < > | < > | ۲ ; | - | Standard TAT | | - 19B | | | S | | | | |
| R | | | | | | | | | | - 1 | -14 | | | | J. | | | | | 1 | _ | I. | 1 |



November 25, 2019

CHASE SETTLE
EOG Y RESOURCES, INC
105 SOUTH 4TH STREET
ARTESIA, NM 88210

RE: FEDERAL AB - B BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/18/19 13:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Wite Sough

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,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210 Fax To: (575) 748-4131

Received:

11/18/2019

Sampling Date:

11/14/2019

Reported:

11/25/2019

Sampling Type:

Soil

Project Name:

FEDERAL AB - B BATTERY

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Tamara Oldaker

Project Location:

FEDERAL AB-B BATTERY

Sample ID: V 1C - 3.5' (H903912-01)

| 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 | 11/20/2019 | ND | 1.80 | 90.1 | 2.00 | 2.37 | |
| Toluene* | <0.050 | 0.050 | 11/20/2019 | ND | 1.78 | 89.1 | 2.00 | 2.44 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/20/2019 | ND | 1.82 | 90.8 | 2.00 | 2.24 | |
| Total Xylenes* | <0.150 | 0.150 | 11/20/2019 | ND | 5.46 | 91.0 | 6.00 | 2.79 | |
| Total BTEX | <0.300 | 0.300 | 11/20/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIE | 101 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-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 | 11/22/2019 | 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 | 11/19/2019 | ND | 190 | 95.1 | 200 | 0.292 | |
| DRO >C10-C28* | <10.0 | 10.0 | 11/19/2019 | ND | 193 | 96.4 | 200 | 1.89 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/19/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 93.5 | % 41-142 |) | | | | | | |
| Surrogate: 1-Chlorooctadecane | 98.3 | % 37.6-14 | 7 | | | | | | |

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*=Accredited Analyte

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Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210 Fax To: (575) 748-4131

Received:

11/18/2019

11/25/2019

Sampling Date:

11/14/2019

Reported:

11/25/2019

Sampling Type:

Soil

Project Name:

FEDERAL AB - B BATTERY

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Tamara Oldaker

Project Location:

FEDERAL AB-B BATTERY

Sample ID: V 2C - 3.5' (H903912-02)

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | S-04 |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/20/2019 | ND | 1.80 | 90.1 | 2.00 | 2.37 | |
| Toluene* | <0.050 | 0.050 | 11/20/2019 | ND | 1.78 | 89.1 | 2.00 | 2.44 | |
| Ethylbenzene* | 0.060 | 0.050 | 11/20/2019 | ND | 1.82 | 90.8 | 2.00 | 2.24 | |
| Total Xylenes* | 0.165 | 0.150 | 11/20/2019 | ND | 5.46 | 91.0 | 6.00 | 2.79 | |
| Total BTEX | <0.300 | 0.300 | 11/20/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 134 % | % 73.3-12 | 9 | _ | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 11/22/2019 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | S-06 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 60.8 | 50.0 | 11/19/2019 | ND | 190 | 95.1 | 200 | 0.292 | |
| DRO >C10-C28* | 7360 | 50.0 | 11/19/2019 | ND | 193 | 96.4 | 200 | 1.89 | |
| EXT DRO >C28-C36 | 1740 | 50.0 | 11/19/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 129 9 | 6 41-142 | ĥ | | | | | | |
| | | | | | | | | | |

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*=Accredited Analyte

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Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210 (575) 748-4131 Fax To:

Received:

11/18/2019

Sampling Date:

11/14/2019

Reported:

11/25/2019

Sampling Type:

Soil

Project Name:

FEDERAL AB - B BATTERY

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Tamara Oldaker

Project Location:

FEDERAL AB-B BATTERY

Sample ID: V 3C - 2' (H903912-03)

| 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 | 11/20/2019 | ND | 1.80 | 90.1 | 2.00 | 2.37 | |
| Toluene* | <0.050 | 0.050 | 11/20/2019 | ND | 1.78 | 89.1 | 2.00 | 2.44 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/20/2019 | ND | 1.82 | 90.8 | 2.00 | 2.24 | |
| Total Xylenes* | < 0.150 | 0.150 | 11/20/2019 | ND | 5.46 | 91.0 | 6.00 | 2.79 | |
| Total BTEX | <0.300 | 0.300 | 11/20/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 103 % | 6 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 11/22/2019 | 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 | 11/20/2019 | ND | 199 | 99.7 | 200 | 1.53 | |
| DRO >C10-C28* | 524 | 10.0 | 11/20/2019 | ND | 198 | 98.9 | 200 | 2.26 | |
| EXT DRO >C28-C36 | 177 | 10.0 | 11/20/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 95.2 9 | % 41-142 | 16 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 117 % | 6 37.6-14 | 7 | | | | | | |

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Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210 Fax To: (575) 748-4131

Received:

11/18/2019

Sampling Date:

11/14/2019

Reported:

11/25/2019

Sampling Type:

Soil

Project Name:

FEDERAL AB - B BATTERY

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Tamara Oldaker

Project Number: Project Location:

FEDERAL AB-B BATTERY

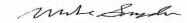
Sample ID: V 4C - 1.5' (H903912-04)

| 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 | 11/20/2019 | ND | 1.80 | 90.1 | 2,00 | 2.37 | |
| Toluene* | <0.050 | 0.050 | 11/20/2019 | ND | 1.78 | 89.1 | 2.00 | 2.44 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/20/2019 | ND | 1.82 | 90.8 | 2.00 | 2.24 | |
| Total Xylenes* | <0.150 | 0.150 | 11/20/2019 | ND | 5.46 | 91.0 | 6.00 | 2.79 | |
| Total BTEX | <0.300 | 0.300 | 11/20/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 99.8 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg/ | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 448 | 16.0 | 11/22/2019 | 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 | 11/20/2019 | ND | 199 | 99.7 | 200 | 1.53 | |
| DRO >C10-C28* | 277 | 10.0 | 11/20/2019 | ND | 198 | 98.9 | 200 | 2.26 | |
| EXT DRO >C28-C36 | 127 | 10.0 | 11/20/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 83.1 | % 41-142 | į: | | | | | | |
| Surrogate: 1-Chlorooctadecane | 100 9 | % 37.6-14 | 7 | | | | | | |

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Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210 Fax To: (575) 748-4131

Received:

11/18/2019

Sampling Date:

11/14/2019

Reported:

11/25/2019

Sampling Type:

Soil

Project Name:

FEDERAL AB - B BATTERY

Sampling Condition:

Cool & Intact

Project Number:

Sample Received By:

Tamara Oldaker

Project Location:

NONE GIVEN

FEDERAL AB-B BATTERY

Sample ID: V 5C - 2.5' (H903912-05)

| 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 | 11/20/2019 | ND | 1.79 | 89.3 | 2.00 | 7.20 | |
| Toluene* | <0.050 | 0.050 | 11/20/2019 | ND | 1.77 | 88.7 | 2.00 | 7.07 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/20/2019 | ND | 1.80 | 90.2 | 2.00 | 7.55 | |
| Total Xylenes* | <0.150 | 0.150 | 11/20/2019 | ND | 5.44 | 90.6 | 6.00 | 7.98 | |
| Total BTEX | <0.300 | 0.300 | 11/20/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 99.6 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 432 | 16.0 | 11/22/2019 | 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 | 11/20/2019 | ND | 199 | 99.7 | 200 | 1,53 | |
| DRO >C10-C28* | 22.6 | 10.0 | 11/20/2019 | ND | 198 | 98.9 | 200 | 2.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/20/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 84.9 | % 41-142 | X | | | | | | |
| Surrogate: 1-Chlorooctadecane | 90.0 | % 37.6-14 | 7 | | | | | | |

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Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210 Fax To: (575) 748-4131

Received:

11/18/2019

Sampling Date:

11/14/2019

Reported:

11/25/2019

Sampling Type:

Soil

Project Name:

FEDERAL AB - B BATTERY

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Tamara Oldaker

Project Location:

FEDERAL AB-B BATTERY

Sample ID: V 6C - 2.5' (H903912-06)

| BTEX 8021B | mg, | /kg | Analyze | d By: MS | | | | | S-04 |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.100 | 0.100 | 11/20/2019 | ND | 1.79 | 89.3 | 2.00 | 7.20 | |
| Toluene* | 1.28 | 0.100 | 11/20/2019 | ND | 1.77 | 88.7 | 2.00 | 7.07 | |
| Ethylbenzene* | 3.19 | 0.100 | 11/20/2019 | ND | 1.80 | 90.2 | 2.00 | 7.55 | |
| Total Xylenes* | 9.88 | 0.300 | 11/20/2019 | ND | 5.44 | 90.6 | 6.00 | 7.98 | |
| Total BTEX | 14.3 | 0.600 | 11/20/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 140 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 720 | 16.0 | 11/22/2019 | 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* | 253 | 10.0 | 11/20/2019 | ND | 199 | 99.7 | 200 | 1.53 | |
| DRO >C10-C28* | 1660 | 10.0 | 11/20/2019 | ND | 198 | 98.9 | 200 | 2.26 | |
| EXT DRO >C28-C36 | 239 | 10.0 | 11/20/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 126 | % 41-142 | 6 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 142 | % 37.6-14 | 7 | | | | | | |

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*=Accredited Analyte

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with South



Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210 (575) 748-4131 Fax To:

Received:

11/18/2019

Reported:

11/25/2019

Project Name:

FEDERAL AB - B BATTERY

Project Number: Project Location: NONE GIVEN

FEDERAL AB-B BATTERY

Sampling Date:

11/14/2019

Sampling Type: Sampling Condition: Soil

Sample Received By:

Cool & Intact

Tamara Oldaker

Sample ID: V 7C - 7.5' (H903912-07)

| BTEX 8021B | mg | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | 9.83 | 2.00 | 11/20/2019 | ND | 1.79 | 89.3 | 2.00 | 7.20 | |
| Toluene* | 93.1 | 2.00 | 11/20/2019 | ND | 1.77 | 88.7 | 2.00 | 7.07 | |
| Ethylbenzene* | 85.0 | 2.00 | 11/20/2019 | ND | 1.80 | 90.2 | 2.00 | 7.55 | |
| Total Xylenes* | 192 | 6.00 | 11/20/2019 | ND | 5.44 | 90.6 | 6.00 | 7.98 | |
| Total BTEX | 379 | 12.0 | 11/20/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 119 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 11/22/2019 | ND | 400 | 100 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | S-06 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 4440 | 50.0 | 11/20/2019 | ND | 199 | 99.7 | 200 | 1.53 | |
| DRO >C10-C28* | 16200 | 50.0 | 11/20/2019 | ND | 198 | 98.9 | 200 | 2.26 | |
| EXT DRO >C28-C36 | 2270 | 50.0 | 11/20/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 334 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 502 | % 37.6-14 | 7 | | | | | | |

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Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210 (575) 748-4131 Fax To:

Received:

11/18/2019

Reported:

11/25/2019

Project Name: Project Number: FEDERAL AB - B BATTERY

Project Location:

NONE GIVEN

FEDERAL AB-B BATTERY

Sampling Date:

11/14/2019 Soil

Sampling Type: Sampling Condition:

Sample Received By:

Cool & Intact

Tamara Oldaker

Sample ID: V 8C - 7.5' (H903912-08)

| BTEX 8021B | mg, | /kg | Analyze | d By: MS | | | | | S-04 |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.100 | 0.100 | 11/20/2019 | ND | 1.79 | 89.3 | 2,00 | 7.20 | |
| Toluene* | 1.01 | 0.100 | 11/20/2019 | ND | 1.77 | 88.7 | 2.00 | 7.07 | |
| Ethylbenzene* | 3.21 | 0.100 | 11/20/2019 | ND | 1.80 | 90.2 | 2.00 | 7.55 | |
| Total Xylenes* | 8.34 | 0.300 | 11/20/2019 | ND | 5.44 | 90.6 | 6.00 | 7.98 | |
| Total BTEX | 12.6 | 0.600 | 11/20/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 138 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 11/22/2019 | 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* | 146 | 10.0 | 11/20/2019 | ND | 199 | 99.7 | 200 | 1.53 | |
| DRO >C10-C28* | 1190 | 10.0 | 11/20/2019 | ND | 198 | 98.9 | 200 | 2.26 | |
| EXT DRO >C28-C36 | 167 | 10.0 | 11/20/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 122 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 132 | % 37.6-14 | 7 | | | | | | |

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*=Accredited Analyte

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Notes and Definitions

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

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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ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

| (505) 393-2326 FAX (505) 393-2476 | |
|-----------------------------------|--|
| | CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST |

| ; | Z) | 3 | | 70 | | Ø | | | | Т | Т | 1 | 1 | Г | Г | | | 0 | - 7 | <u>S</u> | 1 | | | | | | |
|--------------------------|------------------|---|--|--------------|-------------------------|-----------------------------|-----|------------|------------|------------|------------|------------|------------|------------|------------|---|------------|---------------------|-----------|----------------|---------|--------------------|----------------------------|-----------------------------------|---------------------------------------|-----------------------------------|-------------------------------|
| Ciii da | Relinguished by | Relinquished by: | | Relinquished | | pecial | | 00 | 1 | 0 | 5 | 4 | CI | 12 | _ | LAB # (lab use only) | | ORDER #: | | (lab use only) | | | | | | | |
| ica aj. | hed by: | hed by: |) \ | | | Special Instructions: TPH E | | V8C-7.5' | V7C-7.5' | V6C-2.5' | V5C-2.5' | V4C-1.5' | V3C-2' | V2C-3.5' | V1C-3.5' | FIELD CODE | | 2.# エンのんと1 7 | . / | only) | (| Sampler Signature: | Telephone No: 575-748-1471 | City/State/Zip: Artesia, NM 88210 | Company Address: 104 South 4th Street | Company Name EOG Y Resources Inc. | Project Manager: Chase Settle |
| C | Date | Date | 11-18-19 | Date | | TPH EXTENDED needed | | | | | | | | | | | | 1 | | | | | | 8210 | Street | ces Inc. | |
| | | | 11. | | | ee. | | | | | | | | | | Beginning Depth | | | | | | | 1 | | | | |
| į | Time I | Time | 11.30 | Time | | eded. | | + | | | T | | | | | Ending Depth | | | | | | | | | | | |
| Necessary Dy ELOI. | Received by EI C | Received by: | 0 | Received by: | | | | 11/14/2019 | 11/14/2019 | 11/14/2019 | 11/14/2019 | 11/14/2019 | 11/14/2019 | 11/14/2019 | 11/14/2019 | Date Sampled | | | | | | | | | | | |
| ì |)Ţ, | | to the | | | | | 1:05 PM | 1:04 PM | 1:23 PM | 1:28 PM | 1:17 PM | 1:15 PM | 1:02 PM | 1:00 PM | Time Sampled | | | | | | e-mail: | Fax No: | | | | |
| | | | 61 | 1 | | | | | Т | | | | | | | Field Fillered | 1 | | | | | 5.05 | | | | | |
| | 1 | | 2 | \ | | | | > | - | - | -7 | - | 7 | - | - | Total #. of Containers | | | | | | Q | | | | | |
| | | | W. | | | | | × | × | × | × | × | × | × | × | Ice | | | | | | Chase | | | | | |
| | | | 1 | 7 | | | | | | | | | | | | HNO ₃ | | Pres | | | | | | | | | |
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| | | | | П | | | | | | | | | | | | NaOH | 1 | # 95 | | | | 8 | | | 1 | | |
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| ç | 2 | Ď | 78-14 | D | | | | | | | | | | | | Other (Specify) | 1 | (c) | | | | SOL | | | | | |
| Cale | 5 | Date | 30 | Date | | | | | | | | | | | | DW=Drinking Water SL=Sludge | Ī | ~ | | | 1 | TC | | | | | 118.4 |
| | \perp | | 0 | 4 | | | | ဟ | ဟ | ဟ | ဟ | တ | ဟ | ഗ | ഗ | GW = Groundwater S=Soll/Solid | ١ | Matrix | | | | S. | ζep | | | | 70 |
| . 2 | 4 | _ | ii | - | | | | - | | | _ | | _ | | | NP=Non-Polable Specify Other | _ | 4 | _ | _ | | cor | ă, | | Pro | | joj. |
| ā | 3 | me | n n | ime | | | | × | × | × | × | × | × | × | × | TPH: 8015B | | 4 | 1 | | | 3 | Report Format: | | Project Loc: | Project #: | Project Name: |
| | | | 7 | | - 10 | | | - | | | | | _ | | | TPH: TX 1005 TX 1006 | - | _ | 1 | | | | nat | PO # | ţ٢ | ect | lam |
| em | | - Sam | Strate | abe | | abo | | +- | _ | _ | _ | | | | | Cations (Ca, Mg, Na, K) | _ | 4 | | | | | | | ι υ | .# 1 | , P. |
| per | S, | ple S | 줮 | ls o | א היי | orat | | _ | _ | _ | _ | | | _ | | Anions (CI, SO4, Alkalinily) | | 4 | TOTAL: | TCLP: | ١ | | x Standard | 205-0750 | | | |
| NE SE | ounie | Han | sea | 00 0 | 100 | No. | _ _ | - | | | _ | | | | | SAR / ESP / CEC | 7.2 | \neg | <u>r.</u> | Ġ. | 1 | | Stan | 075 | | | |
| 두 | Ž | er/C | ls o | ntai | f H | Con | | _ | | _ | | | | | | Metals: As Ag Ba Cd Cr Pb Hg | 9 S | e | 4 | 4 | An | | darc | 0 | | 1 | |
| 9 | | elive | 8 8 | ner | e d | nme | | _ | | _ | | | | | | Volatiles | | 4 | 4 | _ | Analyze | | | | Fe | | Fe |
| Temperature Upon Receipt | by Courier? UPS | Sample Hand Delivered by Sampler/Client Rep | Custody seals on container(s) Custody seals on cooler(s) | (8) | VOCs Free of Headsnace? | Laboratory Comments: | | | | | | | | | | Semivolaliles | | _ | 4 | \perp | e For: | | | | Federal AB | | Federal AB B Battery |
| A. | | | s) ner(| 1 | 5 | 5 | | × | × | × | × | × | × | × | × | BTEX: 8021B | _ | | | 4 | ח | | Ц | | A IE | | al A |
| 011 | 무 | | S | | 1 | | | | | | | | | | | RCI | | | | | | | TRRP | | BB | | 8 |
| 5,5 | V. | | | NIV. | 1 | | | | | | | | | | | N.O.R.M. | | | _ | | | | Ü | | Bo | | Ba |
| 3.40 | Fed | 30 | N | 7 | ~ | \ | | × | × | × | × | × | × | × | × | Chlorides | | | | | | | _ | | Battery | | itte |
| ù | ×/ | 3K) | 4 | X | St |) | | | | | | | | | | SAR | | | | | | | Ц | | Y | | 7 |
| റ്റ് | Lon | | | | | | | | | | | | | | | | | | | | | | NPDES | | | | |
| റ് | Lone Star | zz | ZZ | ZZ | Z Z | | | | | | | | | | | RUSH TAT (Pre-Schedule) 24, | 48 | , 72 | hrs | | | | SES | | | | |
| | 의 | - 1 | 74 | a i | 1 | N P | | × | × | × | × | × | × | × | × | Standard TAT | T | | | | | | 4.50 | | | | |



November 25, 2019

CHASE SETTLE
EOG Y RESOURCES, INC
105 SOUTH 4TH STREET
ARTESIA, NM 88210

RE: FEDERAL AB - B BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/18/19 13:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited 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)

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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,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210 Fax To: (575) 748-4131

Received:

11/18/2019

11/25/2019

Sampling Date:

11/14/2019

Reported: Project Name:

FEDERAL AB - B BATTERY

Sampling Type:

Soil

Project Number:

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Location:

NONE GIVEN

FEDERAL AB-B BATTERY

Sample ID: H 1 (H903913-01)

| 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 | 11/20/2019 | ND | 1.79 | 89.3 | 2.00 | 7.20 | |
| Toluene* | <0.050 | 0.050 | 11/20/2019 | ND | 1.77 | 88.7 | 2.00 | 7.07 | |
| Ethylbenzene* | 0.089 | 0.050 | 11/20/2019 | ND | 1.80 | 90.2 | 2.00 | 7.55 | |
| Total Xylenes* | 0.290 | 0.150 | 11/20/2019 | ND | 5.44 | 90.6 | 6.00 | 7.98 | |
| Total BTEX | 0.379 | 0.300 | 11/20/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 106 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg/ | 'kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 480 | 16.0 | 11/22/2019 | 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* | 13.1 | 10.0 | 11/20/2019 | ND | 199 | 99.7 | 200 | 1.53 | |
| DRO >C10-C28* | 1250 | 10.0 | 11/20/2019 | ND | 198 | 98.9 | 200 | 2.26 | |
| EXT DRO >C28-C36 | 298 | 10.0 | 11/20/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 103 | % 41-142 | 0 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 142 9 | % 37.6-14 | 7 | | | | | | |

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Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210 Fax To: (575) 748-4131

Received:

11/18/2019

Sampling Date:

11/14/2019

Reported:

11/25/2019

Sampling Type:

Soil

Project Name:

FEDERAL AB - B BATTERY

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Tamara Oldaker

Project Location:

FEDERAL AB-B BATTERY

Sample ID: H 2 (H903913-02)

| 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 | 11/20/2019 | ND | 1.79 | 89.3 | 2.00 | 7.20 | |
| Toluene* | <0.050 | 0.050 | 11/20/2019 | ND | 1.77 | 88.7 | 2.00 | 7.07 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/20/2019 | ND | 1.80 | 90,2 | 2.00 | 7.55 | |
| Total Xylenes* | <0.150 | 0.150 | 11/20/2019 | ND | 5.44 | 90.6 | 6.00 | 7.98 | |
| Total BTEX | <0.300 | 0.300 | 11/20/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 109 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 224 | 16.0 | 11/22/2019 | 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 | 11/20/2019 | ND | 199 | 99.7 | 200 | 1.53 | |
| DRO >C10-C28* | 10.2 | 10.0 | 11/20/2019 | ND | 198 | 98.9 | 200 | 2.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 11/20/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 101 9 | % 41-142 | h | | | | | | |
| Surrogate: 1-Chlorooctadecane | 105 9 | % 37.6-14 | 7 | | | | | | |

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Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210 Fax To: (575) 748-4131

Received:

11/18/2019

Sampling Date:

11/14/2019

Reported:

11/25/2019

Sampling Type:

Soil

Project Name:

FEDERAL AB - B BATTERY

FEDERAL AB-B BATTERY

Sampling Condition:

Cool & Intact

Project Number:

Sample Received By:

Tamara Oldaker

Project Location:

NONE GIVEN

Sample ID: H 3 (H903913-03)

| 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 | 11/20/2019 | ND | 1.79 | 89.3 | 2.00 | 7.20 | |
| Toluene* | <0.050 | 0.050 | 11/20/2019 | ND | 1.77 | 88.7 | 2.00 | 7.07 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/20/2019 | ND | 1.80 | 90.2 | 2.00 | 7.55 | |
| Total Xylenes* | <0.150 | 0.150 | 11/20/2019 | ND | 5.44 | 90.6 | 6.00 | 7.98 | |
| Total BTEX | <0.300 | 0.300 | 11/20/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 104 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 720 | 16.0 | 11/22/2019 | 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 | 11/20/2019 | ND | 199 | 99.7 | 200 | 1.53 | |
| DRO >C10-C28* | 965 | 10.0 | 11/20/2019 | ND | 198 | 98.9 | 200 | 2.26 | |
| EXT DRO >C28-C36 | 384 | 10.0 | 11/20/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 96.1 | % 41-142 | 6 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 132 | % 37.6-14 | 7 | | | | | | |
| | | | | | | | | | |

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Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210

Fax To:

(575) 748-4131

Received:

11/18/2019

Sampling Date:

11/14/2019

Reported:

11/25/2019

Sampling Type:

Soil

Project Name:

FEDERAL AB - B BATTERY

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Tamara Oldaker

Project Location:

FEDERAL AB-B BATTERY

Sample ID: H 4 (H903913-04)

| 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 | 11/20/2019 | ND | 1.79 | 89.3 | 2.00 | 7.20 | |
| Toluene* | <0.050 | 0.050 | 11/20/2019 | ND | 1.77 | 88.7 | 2,00 | 7.07 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/20/2019 | ND | 1.80 | 90.2 | 2.00 | 7.55 | |
| Total Xylenes* | <0.150 | 0.150 | 11/20/2019 | ND | 5.44 | 90.6 | 6.00 | 7.98 | |
| Total BTEX | <0.300 | 0.300 | 11/20/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 103 9 | 6 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1170 | 16.0 | 11/22/2019 | 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 | 11/20/2019 | ND | 199 | 99.7 | 200 | 1.53 | |
| DRO >C10-C28* | 149 | 10.0 | 11/20/2019 | ND | 198 | 98.9 | 200 | 2.26 | |
| EXT DRO >C28-C36 | 74.8 | 10.0 | 11/20/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 101 9 | 6 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 1199 | 6 37.6-14 | 7 | | | | | | |

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Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210 (575) 748-4131 Fax To:

Received: Reported: 11/18/2019

11/25/2019

Project Name:

FEDERAL AB - B BATTERY

FEDERAL AB-B BATTERY

Project Number:

NONE GIVEN

Project Location:

Sampling Date:

11/14/2019

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: H 5 (H903913-05)

| 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 | 11/20/2019 | ND | 1.79 | 89.3 | 2.00 | 7.20 | |
| Toluene* | <0.050 | 0.050 | 11/20/2019 | ND | 1.77 | 88.7 | 2.00 | 7.07 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/20/2019 | ND | 1.80 | 90.2 | 2.00 | 7.55 | |
| Total Xylenes* | <0.150 | 0.150 | 11/20/2019 | ND | 5.44 | 90.6 | 6.00 | 7.98 | |
| Total BTEX | <0.300 | 0.300 | 11/20/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 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 | 448 | 16.0 | 11/22/2019 | 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 | 11/20/2019 | ND | 199 | 99.7 | 200 | 1.53 | |
| DRO >C10-C28* | 98.8 | 10.0 | 11/20/2019 | ND | 198 | 98.9 | 200 | 2.26 | |
| EXT DRO >C28-C36 | 50.9 | 10.0 | 11/20/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 86.3 | % 41-142 | 8 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 98.1 | % 37.6-14 | 7 | | | | | | |

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Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210 (575) 748-4131 Fax To:

Received:

11/18/2019

Sampling Date:

11/14/2019

Reported:

11/25/2019

Sampling Type:

Soil

Project Name:

FEDERAL AB - B BATTERY

Sampling Condition:

Cool & Intact

Project Number: Project Location: NONE GIVEN

FEDERAL AB-B BATTERY

Sample Received By:

Tamara Oldaker

Sample ID: H 6 (H903913-06)

| 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 | 11/20/2019 | ND | 1.79 | 89.3 | 2.00 | 7.20 | |
| Toluene* | <0.050 | 0.050 | 11/20/2019 | ND | 1.77 | 88.7 | 2.00 | 7.07 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/20/2019 | ND | 1.80 | 90.2 | 2.00 | 7.55 | |
| Total Xylenes* | <0.150 | 0.150 | 11/20/2019 | ND | 5.44 | 90.6 | 6.00 | 7.98 | |
| Total BTEX | <0,300 | 0.300 | 11/20/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 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 | 384 | 16.0 | 11/22/2019 | 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 | 11/20/2019 | ND | 199 | 99.7 | 200 | 1.53 | |
| DRO >C10-C28* | 150 | 10.0 | 11/20/2019 | ND | 198 | 98.9 | 200 | 2.26 | |
| EXT DRO >C28-C36 | 36.9 | 10.0 | 11/20/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 93.7 | % 41-142 | 8 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 109 9 | % 37.6-14 | 7 | | | | | | |

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Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210

Fax To:

(575) 748-4131

Received:

11/18/2019

Sampling Date:

11/14/2019

Reported:

11/25/2019

Sampling Type:

Soil

Project Name:

FEDERAL AB - B BATTERY

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Tamara Oldaker

Project Location:

FEDERAL AB-B BATTERY

Sample ID: H 7 (H903913-07)

| BTEX 8021B | mg/ | mg/kg | | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 11/20/2019 | ND | 1.79 | 89.3 | 2,00 | 7.20 | |
| Toluene* | <0.050 | 0.050 | 11/20/2019 | ND | 1.77 | 88.7 | 2.00 | 7.07 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/20/2019 | ND | 1.80 | 90.2 | 2.00 | 7.55 | |
| Total Xylenes* | <0.150 | 0.150 | 11/20/2019 | ND | 5.44 | 90.6 | 6.00 | 7.98 | |
| Total BTEX | <0.300 | 0.300 | 11/20/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 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 | 736 | 16.0 | 11/22/2019 | 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 | 11/20/2019 | ND | 199 | 99.7 | 200 | 1.53 | |
| DRO >C10-C28* | 432 | 10.0 | 11/20/2019 | ND | 198 | 98.9 | 200 | 2.26 | |
| EXT DRO >C28-C36 | 341 | 10.0 | 11/20/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 93.2 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 131 9 | % 37.6-14 | 7 | | | | | | |

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Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210 Fax To: (575) 748-4131

Received: Reported: 11/18/2019

11/25/2019

FEDERAL AB - B BATTERY

FEDERAL AB-B BATTERY

Project Name: Project Number:

Project Location:

NONE GIVEN

Sampling Date:

11/14/2019

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: H 8 (H903913-08)

| 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 | 11/20/2019 | ND | 1.79 | 89.3 | 2.00 | 7.20 | |
| Toluene* | <0.050 | 0.050 | 11/20/2019 | ND | 1.77 | 88.7 | 2.00 | 7.07 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/20/2019 | ND | 1.80 | 90.2 | 2.00 | 7.55 | |
| Total Xylenes* | <0.150 | 0.150 | 11/20/2019 | ND | 5.44 | 90.6 | 6.00 | 7.98 | |
| Total BTEX | <0.300 | 0.300 | 11/20/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 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 | 192 | 16.0 | 11/22/2019 | 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 | 11/20/2019 | ND | 199 | 99.7 | 200 | 1.53 | |
| DRO >C10-C28* | 104 | 10.0 | 11/20/2019 | ND | 198 | 98.9 | 200 | 2.26 | |
| EXT DRO >C28-C36 | 47.8 | 10.0 | 11/20/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 90.8 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 106 9 | % 37.6-14 | 7 | | | | | | |

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Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210 Fax To: (575) 748-4131

Received:

11/18/2019

Sampling Date:

11/14/2019

Reported: Project Name: 11/25/2019

Sampling Type:

Soil

FEDERAL AB - B BATTERY

Sampling Condition:

Cool & Intact

Project Number: Project Location: NONE GIVEN

FEDERAL AB-B BATTERY

Sample Received By:

Tamara Oldaker

Sample ID: H 9 (H903913-09)

| 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 | 11/20/2019 | ND | 1.79 | 89.3 | 2.00 | 7.20 | |
| Toluene* | <0.050 | 0.050 | 11/20/2019 | ND | 1.77 | 88.7 | 2.00 | 7.07 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/20/2019 | ND | 1.80 | 90.2 | 2.00 | 7.55 | |
| Total Xylenes* | <0.150 | 0.150 | 11/20/2019 | ND | 5.44 | 90.6 | 6.00 | 7.98 | |
| Total BTEX | <0.300 | 0.300 | 11/20/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 100 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 624 | 16.0 | 11/22/2019 | 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 | 11/20/2019 | ND | 199 | 99.7 | 200 | 1,53 | |
| DRO >C10-C28* | 664 | 10.0 | 11/20/2019 | ND | 198 | 98.9 | 200 | 2.26 | |
| EXT DRO >C28-C36 | 372 | 10.0 | 11/20/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 89.7 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 136 | % 37.6-14 | 7 | | | | | | |

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Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210 Fax To: (575) 748-4131

Received:

11/18/2019

11/10/2013

Sampling Date:

11/14/2019

Reported:

11/25/2019

Sampling Type:

Soil

Project Name:

FEDERAL AB - B BATTERY

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Tamara Oldaker

Project Location:

FEDERAL AB-B BATTERY

Sample ID: H 10 (H903913-10)

| 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 | 11/20/2019 | ND | 1.79 | 89.3 | 2.00 | 7.20 | |
| Toluene* | <0.050 | 0.050 | 11/20/2019 | ND | 1.77 | 88.7 | 2.00 | 7.07 | |
| Ethylbenzene* | <0.050 | 0.050 | 11/20/2019 | ND | 1.80 | 90.2 | 2.00 | 7.55 | |
| Total Xylenes* | < 0.150 | 0.150 | 11/20/2019 | ND | 5.44 | 90.6 | 6.00 | 7.98 | |
| Total BTEX | <0.300 | 0.300 | 11/20/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 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 | 112 | 16.0 | 11/22/2019 | 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 | 11/20/2019 | ND | 199 | 99.7 | 200 | 1.53 | |
| DRO >C10-C28* | 123 | 10.0 | 11/20/2019 | ND | 198 | 98.9 | 200 | 2.26 | |
| EXT DRO >C28-C36 | 40.2 | 10.0 | 11/20/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 75.9 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 82.2 | % 37.6-14 | 7 | | | | | | |

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Notes and Definitions

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 SM4500CI-B does not require samples be received at or below 6°C

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

Cardinal Laboratories *=Accredited Analyte

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CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST



Page 13 of 13

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

| Pack | Company Name EOG Y Resources Inc. Company Address: 104 South 4th Street | g | ò | CTA . | 8 | 5 | ORDER #- | 1.5 | | 王 | H2 | 품 | 工4 | | 유 | H7 | H8 | H9 | 10 H10 | stra | r | Neillight Street | Relinquished by: | Kelinquished by: | Page 64 |
|--|---|----------------------|-----------------|---------------|--------------------|------|----------|--------|---|------------|------------|---------------|------------|-------------|------------|------------|------------------|------------|------------|----------|-------|----------------------|------------------|------------------|---------|
| ## Received by ELOT: Page | EOG Y Resourc | any Address: | tate/Zip: | Telephone No: | Sampler Signature: | 0 | HARRY | 11100. | FEL | | | | | | | | | | | actions: | | ,/, | * | ኧ | |
| Pose Percentage Percentag | 1# M | 104 South 4th Street | Artesia, NM 882 | 575-748-1471 | | (| ú | C | D CODE | | | | | | | | | | | TPH EX | | //- | | | |
| Fax No: Fax No: Fax No: Chase Settle@leogresources.com Preservation & # of Containers Time Chase Settle@leogresources.com Till/4/2019 Time Chase Settle@leogresources.com Till/4/2019 | s Inc. | reet | 10 | . | "\ | 1 | | - | _ | | | | | | | | | | | TENDED | Par | 18-19 | Date | Date | |
| Fax No: Chase Settle@eogresources.com Report Format: Chase Settle@eogresources.com Preservation & # of Containers Time Sampled Time Chase Settle@eogresources.com Time Chase Settle@eogresources.com Time Chase Settle@eogresources.com Time Chase Settle@eogresources.com Received by ELOT: Chase Settle@eogresources.com Received by ELOT: Time Chase Settle@eogresources.com Received by ELOT: Time Chase Settle@eogresources.com Time Chase Settle@eogresources.com Time Chase Settle@eogresources.com Report Format: Time Chase Settle@eogresources.com Report Format: Time Chase Settle@eogresources.com Time | | | | | | | | | Beginning Depth | | | | | | | | | | | need | 1 | 11: | a a | = | |
| Fax No: | | | | | | | | | Ending Depth | | | | | | | | | | | red. | | 30 1 | me | ne | |
| Fax No: Fax No: Fax No: Preservation & Feld Filtered | | | | | | | | | Date Sampled | 11/14/2019 | 11/14/2019 | 11/14/2019 | 11/14/2019 | 11/14/2019 | 11/14/2019 | 11/14/2019 | 11/14/2019 | 11/14/2019 | 11/14/2019 | | | Received by: | Received by: | Received by ELC | |
| Chase Settle @eogresources Com Chase Settle @eogresources Com Chase Settle @eogresources Com Chase Settle @eogresources Com Chase Settle @eogresources Com Chase Settle @eogresources Com Chase Settle @eogresources Com Chase Settle @eogresources Com Chase Settle @eogresources Com Comparison of the Co | | | | Fax No: | e-mail: | | | | Time Sampled | 1:07 PM | 1:09 PM | 1:11 PM | 1:13 PM | 1:30 PM | 1:31 PM | 1:33 PM | 1:35 PM | 1:37 PM | 1:39 PM | | | ra della | | Ħ | |
| PO # TIME Cations (Ca, Mg, Na, K) Custots (Ca, Mg, Na, K) Custo | | | | ï | 10 | | | | | | | | | | | | | | | | | 1 | ٠, | | |
| PO TIME Sammer Course of Containing Services | | | | | ha | | 7 | ╁ | 1 | - | - | - | _ | - | - | \vdash | - | ┿ | _ | | | K. | | | |
| Date | | | | | Se | | | Pres | | \cap | _ | Ê | | | | ^ | | | ^ | | | 10 | | | |
| Date Date Time X X X X X X X X X X X X X X X X X X X | | | | ĺ | လွ | | | ervat | | П | | | | | | | | | | | | | | 12 | |
| Date | | | | | #e | | | ion & | H₂SO₄ | | | | | | | | | | | | | | | | |
| Date Date Time X X X X X X X X X X X X X X X X X X X | | | | | 0 | | | # 95 | NaOH | | | | | | | | | | | | | | | 1 | |
| TPH: TX 1005 TX 1006 Cations (Ca, Mg, Na, K) # **PRODUCTION OF THE TY 1005 TX 1006 **PRODUCTION OF TY 1005 TX 1 | | | | | DO | | | Conta | Na ₂ S ₂ O ₃ | | | | | | | | | | | | | | | | |
| TPH: TX 1005 TX 1006 Cations (Ca, Mg, Na, K) # Appendix of the control of the c | | | | | es | | | iners | None | | | | | | | | | | | | | 11 | | - | |
| TPH: TX 1005 TX 1008 Cations (Ca, Mg, Na, K) # Approx (Cl SO4 Alkaliality) | 1 1 1 | | | | 011 | | - | Ļ | | | | _ | | | | | | | | | | Date | Date | Date | |
| TPH: TX 1005 TX 1008 Cations (Ca, Mg, Na, K) # Approx (Cl SO4 Alkaliality) | | | | Z, | eg Ceg | | | Ma | | | | (0 | (0 | " | , a | | ,, | (0 | m | | | 19 | w | to | |
| TPH: TX 1005 TX 1008 Cations (Ca, Mg, Na, K) ################################### | T 7 | *** | | Ď Or | S.CC | | | ž | | " | 0, | 0, | 0, | " | 0, | 0, | 0 | 0, | 0, | | | | | | ŀ |
| Cations (Ca, Mg, Na, K) | Project Name: Project #: Project Loc: | joj. | | 동 | B | П | \top | _ | TPH: 8015B | × | × | ×. | × | × | × | × | × | × | × | | | CV H | 井 | 井 | |
| Cations (Ca, Mg, Na, K) | ect Name: Project#: oject Loc: | ŭ | P | rma | | П | 1 | | TPH: TX 1005 TX 1006 | | | | | | | | | | | | | C " | æ | Ф | - 1 |
| De production of the second of | oc: ## me: | 00 | # | L) | | П | 1 | | Cations (Ca, Mg, Na, K) | | | | | | | | | | | Sal | 8 | 5 CE | လ္ဆ | E E | |
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| The dial is a sound of the second of the sec | | | 5 | nda | | 1.1 | | Se | Metals: As Ag Ba Cd Cr Pb Hg | | | | | | | | | | | ntai | of I | ont als | pler/ | Te U | :30 |
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| Recorded the second to the sec | ede ede | ede | | | | Ze F | | | Semivolatiles | | | | | | | | | | | int int | dspa | 00 tr (s) | F P P P | Re | 2 |
| PR de le la | Federal AB B | ral | | | | 9 | | | BTEX: 8021B | × | × | × | × | × | × | × | × | × | × | s: | JCE ? | aine er(s) | လမ်ာင | SE. | 25 |
| P P S S No.R.M. | AB | | | H H | | 1 | | | RCI | | | | | | | | | | | | | r(s) | | 14 | |
| RO.R.M. | w w | œ | | P | | H | | _ | N.O.R.M. | | | | | | | | | П | | W | | | ř | | 1 |
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| XXXXXX Chlorides | ery | ery | | П | | H | | | | 5 7 | | | | , | | N. C | | , | 5.51 | | BE | <(3/3 | BOD. | 60 | 3 |
| Ch 5 | | | | Z | | П | | | easoNS | - | | | - | | | | | | | | | | | | 0 |
| RUSH TAT (Pre-Schedule) 24, 46, 72 hrs | | | | ğ | | Ч | 2 hrs | 48, 72 | RUSH TAT (Pre-Schedule) 24. 4 | 1 | | | | | \dashv | \dashv | _ | | | z | ZZ | zzz | ZZZ | Ç _o | 100 |
| ××××××× Standard TAT | | | | S | | _ | | Π | | _ | >< | >/ | 52 | > | 24 | 5 | >/ | 7 | <u>۲</u> | | | | ă | 0 | vei |
| Analyze For: An | | | | | | | | 1 | | | <u> </u> | 31 S | 2 1 | | EAITH IN | 5 5 | - 1 | 2.5 | 6 3 I | | | 50 | | | ece |



December 20, 2019

CHASE SETTLE
EOG Y RESOURCES, INC
105 SOUTH 4TH STREET
ARTESIA, NM 88210

RE: FEDERAL AB - B BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 12/16/19 11:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accred certif.html.

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

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celeg D. Keena

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. Keene

Lab Director/Quality Manager



Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210

Fax To:

(575) 748-4131

Received:

12/16/2019

Sampling Date:

12/12/2019

Reported:

12/20/2019

Sampling Type:

Soil

Project Name:

FEDERAL AB - B BATTERY

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Tamara Oldaker

Project Location:

FEDERAL AB-B BATTERY

Sample ID: V 2 C - 4' (H904193-01)

| BTEX 8021B | mg, | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|------------------------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/19/2019 | ND | 1.71 | 85.5 | 2.00 | 10.4 | |
| Toluene* | <0.050 | 0.050 | 12/19/2019 | ND | 1.71 | 85.4 | 2.00 | 10.3 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/19/2019 | ND | 1.67 | 83.7 | 2.00 | 12.1 | |
| Total Xylenes* | <0.150 | 0.150 | 12/19/2019 | ND | 4.97 | 82.8 | 6.00 | 11.6 | |
| Total BTEX | <0.300 | 0.300 | 12/19/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 111 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 | 144 | 16.0 | 12/17/2019 | 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 | 12/18/2019 | ND | 231 | 115 | 200 | 1.66 | |
| DRO >C10-C28* | 1500 | 10.0 | 12/18/2019 | ND | 227 | 113 | 200 | 2.47 | |
| EXT DRO >C28-C36 | 572 | 10.0 | 12/18/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 95.6 | % 41-142 | 6 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 142 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keine



Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210

Fax To:

(575) 748-4131

Received:

12/16/2019

Sampling Date:

12/12/2019

Reported:

12/20/2019

Sampling Type:

Soil

Project Name:

FEDERAL AB - B BATTERY

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Tamara Oldaker

Project Location:

FEDERAL AB-B BATTERY

Sample ID: V 6 C - 3' (H904193-02)

| BTEX 8021B | mg/ | kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/19/2019 | ND | 1.71 | 85.5 | 2.00 | 10.4 | |
| Toluene* | <0.050 | 0,050 | 12/19/2019 | ND | 1.71 | 85.4 | 2.00 | 10.3 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/19/2019 | ND | 1.67 | 83.7 | 2.00 | 12.1 | |
| Total Xylenes* | <0.150 | 0.150 | 12/19/2019 | ND | 4.97 | 82.8 | 6.00 | 11.6 | |
| Total BTEX | <0.300 | 0.300 | 12/19/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 110 9 | 6 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-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 | 12/17/2019 | 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 | 12/18/2019 | ND | 231 | 115 | 200 | 1.66 | |
| DRO >C10-C28* | 197 | 10.0 | 12/18/2019 | ND | 227 | 113 | 200 | 2.47 | |
| EXT DRO >C28-C36 | 176 | 10.0 | 12/18/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 101 % | 6 41-142 | | | 11 | | | | |
| Surrogate: 1-Chlorooctadecane | 119 9 | 6 37.6-14 | 7 | | | | | | |

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*=Accredited Analyte

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Celey D. Keene



Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210 Fax To: (575) 748-4131

Received:

12/16/2019

Reported:

12/20/2019

Project Name:

FEDERAL AB - B BATTERY

Project Number: Project Location: NONE GIVEN

NONE G

FEDERAL AB-B BATTERY

Sampling Date:

npling Date:

Sampling Type: Soil

Sampling Condition: Sample Received By: Cool & Intact

12/12/2019

Tamara Oldaker

Sample ID: V 7 C - 9' (H904193-03)

| BTEX 8021B | mg, | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|------------------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/19/2019 | ND | 1.71 | 85.5 | 2.00 | 10.4 | |
| Toluene* | <0.050 | 0.050 | 12/19/2019 | ND | 1.71 | 85.4 | 2.00 | 10.3 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/19/2019 | ND | 1.67 | 83.7 | 2.00 | 12.1 | |
| Total Xylenes* | <0.150 | 0.150 | 12/19/2019 | ND | 4.97 | 82.8 | 6.00 | 11.6 | |
| Total BTEX | <0.300 | 0.300 | 12/19/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 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 | 416 | 16.0 | 12/17/2019 | 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 | 12/18/2019 | ND | 231 | 115 | 200 | 1.66 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/18/2019 | ND | 227 | 113 | 200 | 2.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/18/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 102 9 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 109 9 | % 37.6-14 | 7 | | | | | | |

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Celey D. Keine



Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210 Fax To: (575) 748-4131

Received:

12/16/2019

Sampling Date:

12/12/2019

Reported:

12/20/2019

Sampling Type:

Soil

Project Name:

FEDERAL AB - B BATTERY

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Tamara Oldaker

Project Location:

FEDERAL AB-B BATTERY

Sample ID: V 8 C - 9' (H904193-04)

| BTEX 8021B | mg, | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|------------------------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/19/2019 | ND | 1.71 | 85.5 | 2.00 | 10.4 | |
| Toluene* | <0.050 | 0.050 | 12/19/2019 | ND | 1.71 | 85.4 | 2.00 | 10.3 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/19/2019 | ND | 1.67 | 83.7 | 2.00 | 12.1 | |
| Total Xylenes* | <0.150 | 0.150 | 12/19/2019 | ND | 4.97 | 82.8 | 6.00 | 11.6 | |
| Total BTEX | <0.300 | 0.300 | 12/19/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 107 | % 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 | 576 | 16.0 | 12/17/2019 | 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 | 12/18/2019 | ND | 231 | 115 | 200 | 1.66 | |
| DRO >C10-C28* | 15.2 | 10.0 | 12/18/2019 | ND | 227 | 113 | 200 | 2.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/18/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 94.8 | % 41-142 | K S | | | | | | |
| Surrogate: 1-Chlorooctadecane | 102 9 | % 37.6-14 | 7 | | | | | | |

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Celeg D. Keene



Notes and Definitions

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 SM4500CI-B does not require samples be received at or below 6°C

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

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Celeg D. Keine

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

| Page 71 | . Complete by | Relinquished by: | Relinquis | | Special | | | | | 4 | w | 2 | 1 | LAB # (lab use only) | ORDER #: | (lab use only) | | | | | | |
|--|--------------------------|---|--|---------------------------|-----------------------|---|----------|---------|---|----------------------|------------|------------|---------------|---|-------------------------|----------------|--------------------|----------------|-------------------|---------------------------------------|----------------------|----------------------|
| I | icu by. | ned by: | | | Special Instructions: | | | | | V8C-9' | V7C-9' | V6C-3' | V2C-4' | 2 | I | | Sampler Signature: | Telephone No: | City/State/Zip: | Company Address: 104 South 4th Street | Company Name | Project Manager: |
| | | | | | TPHE | | | | | | | | | FIELD CODE | 404193 | | | 575-748-1471 | Artesia, NM 88210 | s: 104 South 4th | EOG Y Resources Inc. | Chase Settle |
| | Cale | Date | Date 17-16-19 | | TPH EXTENDED needed. | | | | | | | | | | | | | | 8210 | Street | rces Inc. | |
| | = | | //: //: | | need | | | | | | | | | Beginning Depth | | | 11 | | | | | |
| | i | Time | Time //: 30 (| | ded. | | | | | | | | | Ending Depth | | | | | | | | |
| | Received by ELOT: | Received by: | Received by: | | | | | | | 12/12/2019 | 12/12/2019 | 12/12/2019 | 12/12/2019 | Date Sampled | | | | | | | | |
| | 01: | | ara d | | | | | | | 8:53 AM | 8:50 AM | 8:48 AM | 8:46 AM | Time Sampled | | | e-mail: | Fax No: | | | | |
| | | | Ch | | - | | | - | - | _ | _ | | | Field Filtered Total #. of Containers | - | | 10 | 1 | | | | |
| | | | do | | ŀ | + | \vdash | - | - | × | × | × | × | Ice | \vdash | | Chase | | | 1 | | |
| | | | 1.0 | | ŀ | _ | \vdash | - | + | | <u> </u> | _ | | HNO ₃ | Pag | | Se | | | | | |
| | | Ų. | 1/ | | ŀ | + | \vdash | + | + | | | | | HCI | serva | | S | | | 1 | | |
| | | | 1, | | ŀ | | | | | | | | | H₂SO4 | Preservation & # of Cor | | Settle@eo | | | | | |
| | | | 0 | | Ī | | | | | | | | | NaOH | # 0 | | Ö | | 1 | | l | |
| | | | | | | | | | | | | | | Na ₂ S ₂ O ₃ | | | 900 | | | | | 1 |
| | | | R | | | | | | | | | | | None | tainers | | reg | | 1 | | | 1 |
| | Date | Date | Date 12-16-1 | | Ļ | 4 | \vdash | _ | _ | | _ | | | Other (Specify) | Ц | | ü | | 1 | | l. | |
| | w | 10 | Ž., | | 1 | | | | | s | S | s | S | DW=Drinking Water SL=Sludge GW = Groundwater S=Soil/Solid | Ma | | gresources.com | Z | | | | |
| - | | | 40 | | | | | | | 0, | " | ٠, | ٠, | NP=Non-Potable Specify Other | Matrix | | S.C | ppor | | | | P |
| | Time | Time | Time | | T | | | | | × | × | × | × | TPH: 8015B | | П | | Report Format: | | Project Loc: | ō | Project Name: |
| L | (0 | | _ | | | | | | | | | | | TPH: TX 1005 TX 1006 | | П | | mai | P | ğ | Project #: | t Na |
| * | F | Sample Hand Delivered by Sampler/Client Rep by Courier? UPS | Cus | San | Lab | | | | | | | | | Calions (Ca, Mg, Na, K) | | П | | | PO #: 205-0750 | ŝ | # | me: |
| X | Sar Sar | S S S S | tody | ple S | orat | | | \perp | | | | | - | Anions (CI, SO4, Alkalinity) | TOTAL: | z | 1 | × | 205 | | | |
| 0.0 | o ature | Han ampl | Labels on container(s) Custody seals on cont | , co | aboratory Comments: | - | | - | _ | | | | - " | SAR / ESP / CEC | | TCLP: | | × Standard | 075 | | | |
| 2.0 | Ę. | 200 | ntair Is or | taine | | | | - | | | \dashv | _ | - | Metals: As Ag Ba Cd Cr Pb Hg | Se | LI≩ | Ž | darc | 0 | | | |
| 28 | Z | liver ient | ner(s | 200 | | + | \vdash | + | - | | - | - | \rightarrow | Volatiles | - | Hyze | | _ | | Fec | | Fec |
| 2020 1 | Temperature Upon Receipt | nple Hand Delivered by Sampler/Client Rep. ? by Courier? UPS | Labels on container(s) Custody seals on cooler(s) Custody seals on cooler(s) | Sample Containers Intact? | ų. – | _ | | + | - | × | × | × | - | Semivolatiles BTEX: 8021B | + | Analyze For | | П | | ederal AB | | lera |
| 200 | H | 뭐 |) er(s) | 3 .3 | H | + | | + | - | $\stackrel{\sim}{+}$ | \exists | | | RCI | | 4 | | 井 | | AB | | AE |
| | 1.0 | ř | | | - | + | | | | | \dashv | | _ | N.O.R.M. | | | | TRRP | | W | | Federal AB B Battery |
| | 100 | TI CO | | | | | | | | × | × | × | × | Chlorides | | | | | | Battery | | Satt |
| W OCD | U | | < BE | 33 | | | | | | | | | | SAR | | | | | | ery | | ery |
| 300 | N | Lone | | | | | | | | | | | | | | | | NPDES | | | | |
| pa | ° ဂိ | Lone X Z Z | ZZZZ | ZZ | | | | | | | | | - | RUSH TAT (Pre-Schedule) 24, 41 | 8, 72 hrs | | 1 | SEC | | | | |
| Received by OCD: 1/17/2020 12:37:30 PM | | 7 | | | | | | | | × | × | × | × | Standard TAT | | | - | | | | | |
| Rea | | | | | | | | | | | | | | | | | | | | | | |



December 20, 2019

CHASE SETTLE
EOG Y RESOURCES, INC
105 SOUTH 4TH STREET
ARTESIA, NM 88210

RE: FEDERAL AB - B BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 12/16/19 11:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accred certif.html.

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

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)

Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Celeg D. Keena

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. Keene

Lab Director/Quality Manager





Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210 Fax To: (575) 748-4131

Received: Reported: 12/16/2019

12/20/2019

Project Name:

FEDERAL AB - B BATTERY

Project Number:

NONE GIVEN

Project Location:

FEDERAL AB-B BATTERY

Sampling Date:

12/12/2019

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: H 1 - 2 (H904192-01)

| BTEX 8021B | mg, | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/18/2019 | ND | 1.93 | 96.7 | 2.00 | 6.24 | |
| Toluene* | <0.050 | 0.050 | 12/18/2019 | ND | 1.88 | 93.9 | 2.00 | 5.85 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/18/2019 | ND | 1.91 | 95.5 | 2.00 | 6.58 | |
| Total Xylenes* | <0.150 | 0.150 | 12/18/2019 | ND | 5.58 | 93.0 | 6.00 | 6.58 | |
| Total BTEX | <0.300 | 0.300 | 12/18/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 98.2 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 560 | 16.0 | 12/17/2019 | 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 | 12/18/2019 | ND | 231 | 115 | 200 | 1.66 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/18/2019 | ND | 227 | 113 | 200 | 2.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/18/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 85.7 | % 41-142 | F. | | | | | | |
| Surrogate: 1-Chlorooctadecane | 90.4 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

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Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210 Fax To: (575) 748-4131

Fax To:

Received: Reported: 12/16/2019

12/20/2019

Project Name:

FEDERAL AB - B BATTERY

Project Number: Project Location: NONE GIVEN

FEDERAL AB-B BATTERY

Sampling Date:

12/12/2019

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: H 3 - 2 (H904192-02)

| BTEX 8021B | mg | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/18/2019 | ND | 1.93 | 96.7 | 2.00 | 6.24 | |
| Toluene* | <0.050 | 0.050 | 12/18/2019 | ND | 1.88 | 93.9 | 2.00 | 5.85 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/18/2019 | ND | 1.91 | 95.5 | 2.00 | 6.58 | |
| Total Xylenes* | <0.150 | 0.150 | 12/18/2019 | ND | 5.58 | 93.0 | 6.00 | 6.58 | |
| Total BTEX | <0.300 | 0.300 | 12/18/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 98.0 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 432 | 16.0 | 12/17/2019 | 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 | 12/18/2019 | ND | 231 | 115 | 200 | 1.66 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/18/2019 | ND | 227 | 113 | 200 | 2.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/18/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 95.0 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 99.9 | % 37.6-14 | 7 | | | | | | |

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Celey D. Keene



Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210 Fax To: (575) 748-4131

Received:

12/16/2019

Sampling Date:

12/12/2019

Reported:

12/20/2019

Sampling Type:

Soil

Project Name:

FEDERAL AB - B BATTERY

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number:

NONE GIVEN

Project Location:

FEDERAL AB-B BATTERY

Sample ID: H 4 - 2 (H904192-03)

| BTEX 8021B | mg/ | 'kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/19/2019 | ND | 1.71 | 85.5 | 2.00 | 10.4 | |
| Toluene* | <0.050 | 0.050 | 12/19/2019 | ND | 1.71 | 85.4 | 2.00 | 10.3 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/19/2019 | ND | 1.67 | 83.7 | 2.00 | 12.1 | |
| Total Xylenes* | <0.150 | 0.150 | 12/19/2019 | ND | 4.97 | 82.8 | 6.00 | 11.6 | |
| Total BTEX | <0.300 | 0.300 | 12/19/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 109 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-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 | 12/17/2019 | 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 | 12/18/2019 | ND | 231 | 115 | 200 | 1.66 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/18/2019 | ND | 227 | 113 | 200 | 2.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/18/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 90.3 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 94.6 | % 37.6-14 | 7 | | | | | | |

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*=Accredited Analyte

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Celleg D. Keene



Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210 Fax To: (575) 748-4131

Received:

12/16/2019

12/20/2019

Reported: Project Name:

FEDERAL AB - B BATTERY

Project Number:

NONE GIVEN

Project Location:

FEDERAL AB-B BATTERY

Sampling Date:

12/12/2019

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

Sample ID: H 7 - 2 (H904192-04)

| BTEX 8021B | mg, | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/19/2019 | ND | 1.71 | 85.5 | 2.00 | 10.4 | |
| Toluene* | <0.050 | 0.050 | 12/19/2019 | ND | 1.71 | 85.4 | 2.00 | 10.3 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/19/2019 | ND | 1.67 | 83.7 | 2.00 | 12.1 | |
| Total Xylenes* | <0.150 | 0.150 | 12/19/2019 | ND | 4.97 | 82.8 | 6.00 | 11.6 | |
| Total BTEX | <0.300 | 0.300 | 12/19/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 106 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-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 | 12/17/2019 | 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 | 12/18/2019 | ND | 231 | 115 | 200 | 1.66 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/18/2019 | ND | 227 | 113 | 200 | 2.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/18/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 91.6 | % 41-142 | (i) | | | | | | |
| Surrogate: 1-Chlorooctadecane | 93.9 | % 37.6-14 | 7 | | | | | | |

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Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210 (575) 748-4131 Fax To:

Received:

12/16/2019

Sampling Date:

12/12/2019

Reported:

12/20/2019

Sampling Type:

Soil

Project Name:

FEDERAL AB - B BATTERY

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Tamara Oldaker

Project Location:

FEDERAL AB-B BATTERY

Sample ID: H 9 - 2 (H904192-05)

| 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 | 12/19/2019 | ND | 1.71 | 85.5 | 2.00 | 10.4 | |
| Toluene* | <0.050 | 0.050 | 12/19/2019 | ND | 1.71 | 85.4 | 2.00 | 10.3 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/19/2019 | ND | 1.67 | 83.7 | 2.00 | 12.1 | |
| Total Xylenes* | <0.150 | 0.150 | 12/19/2019 | ND | 4.97 | 82.8 | 6.00 | 11.6 | |
| Total BTEX | <0.300 | 0.300 | 12/19/2019 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 106 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-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 | 12/17/2019 | 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 | 12/18/2019 | ND | 231 | 115 | 200 | 1.66 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/18/2019 | ND | 227 | 113 | 200 | 2.47 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/18/2019 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 97.0 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 102 9 | % 37.6-14 | 7 | | | | | | |

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*=Accredited Analyte

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Celleg & Keene-



Notes and Definitions

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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Celeg D. Keene

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Page 8 of 8

ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240

(505) 393-2326 FAX (505) 393-2476

| Relinquished by: | Relinquished by: | Relinguished by: | : | Special Instructions: | | | | | | | | | LAB # (lab use only) | ORDER #: | (lab use only) | | | | | | | |
|-------------------------------|--|---|-------------------------|-----------------------|---|----------|---|------------|------------|------------|------------|------------|---|-------------------------|----------------|--------------|-----------------------------|----------------|-------------------|----------------------|----------------------|----------------------|
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| led b |) je | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | | nstr | | | | H9-2 | H7. | H4-2 | H3-2 | H1-2 | | # | nly) | | Sampler Signature; | Telephone No: | City/State/Zip: | Company Address: | Company Name | Project Manager: |
| Y. | Š | / his | | LCLi | | 1 1 | | 10 | N | 12 | 10 | N | | 1 | | | nple | pho | Sts/ | npa | npa | ect |
| | | | | ons: | | | | | | | | | | 2 | | | S | one | ite/ | ų, | ny l | Ma |
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| | | | | | | | | | | | | | FIELD CODE | 2 | | 13 | 11. | 575-748-1471 | Artesia, NM 88210 | 104 South 4th Street | EOG Y Resources Inc. | Chase Settle |
| | | | | d | | | | | | | | | DE | | | | $U_{I_{I}}$ | 44 | ja Z | out | Ϋ́R | e Se |
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| | | Sec. | | | | | | 9:0 | 9 | 00 | 00 | 8:55 AM | | | | | | | | | | П |
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| | | 1 | | | | | | | | | | | HNO ₃ | reser | | | (0 | | | | | |
| | | K/ | | | | | | | | _ | | | HCI | Preservation & # of Cor | | | Settle@eogresources.com | | | | | 1 |
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| Date | | -16-1 | | | | - | | + | ┝ | - | _ | _ | Other (Specify) DW=Drinking Water SL=Sludge | Н | | | E C | l | ı | ı | 1 | Į. |
| | " | 7 | | | | | | S | S | S | S | S | GW = Groundwater S=Soil/Solid | Matrix | | | Ses | Re | | | | |
| | | 18 | | | | 1.1 | | | | | (435) | | NP=Non-Polable Specify Other | 랏 | | | 8 | port | | 70 | | Pro |
| Time | Time | 1:30 | | | | | | × | × | × | × | >< | TPH: 8016B | | T | Π | Ĕ | Report Format: | | Project Loc: | Pro | Project Name: |
| ō | TO TO | gn . | | | | | | | | | | | TPH: TX 1005 TX 1006 | | 1 | L | | mat | В | 단 | Project #: | Nan |
| T E | Sar | Cris | 5 | Tat | | | | | | | | | Callons (Ca, Mg, Na, K) | | 1 | П | | _ | # | ္ပို | # | JE: |
| ₽ E | by co | stody | Cs F | ora | | | | | | | | | Anions (CI, SO4, Alkalinity) | _ | TOTAL: | | | × | 205 | | | |
| | E Har | Labels on container(s) Custody seals on container Custody seals on coole | ree | tory | | | | | | | | | SAR / ESP / CEC | i | ÷ 5 | | | x Standard | PO #: 205-0750 | | | |
| e U | oler/C | onta als o als o | of H | Co | | | | | | | | | Metals: As Ag Ba Cd Cr Pb Hg | Se | | Ą | | ıdarı | 0 | | 4 | |
| 600 | Slien | n co | ead | эши | | \sqcup | | | ļ | | | _ | Volatiles | _ | - | alyze | | | | Fee | | Fee |
| Temperature Upon Receipt 1,9c | Sample Hand Delivered by Sampler/Client Rep. ? by Courier? UPS | Labels on container(s) Custody seals on container(s) Custody seals on cooler(s) | VOCs Free of Headspace? | Laboratory Comments: | | | | | | 20.77 | | | Semivolatiles | _ | + | Analyze For: | | | | Federal AB | | Federal AB B Battery |
| E P | | ner(s | , e3 | 5 | | - | | × | × | × | × | × | BTEX: 8021B | | _ | | | \Box | | H AE | | AF II |
| gi- | 몯 | S | | 1 | | \vdash | | - | _ | - | _ | _ | N.O.R.M. | | | $\ \ $ | | TRRP | | w | | B |
| 100 | 711 | | | | | | | L 2 | 52 | 50 | , , , | - | N.O.R.M. Chlorides | | _ | | | 9 | | Battery | | Bat |
| U | # (P) (P) | KRE | KIE | 1 | | \vdash | | × | × | × | × | × | SAR | | | H | | П | | tery | | eny |
| N U | 00 | U | | J | | + | | - | | _ | - | | 72.00 | | | 11 | | ₽ N | | 12 | | |
| င် | N N Lone Star | zzz | ZZ | | | + | | + | \vdash | _ | | | RUSH TAT (Pre-Schedule) 24, | 48, 72 1 | hrs | - | | NPDES | | | | |
| 7 |) Tar | | | | _ | + | | × | × | × | × | × | Standard TAT | T | | | | (i) | | | | |







January 10, 2020

CHASE SETTLE EOG Y RESOURCES, INC 105 SOUTH 4TH STREET ARTESIA, NM 88210

RE: FEDERAL AB - B BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 01/09/20 15:16.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accred certif.html.

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

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celeg D. Keena

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. Keene

Lab Director/Quality Manager



Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210

Fax To:

(575) 748-4131

Received:

01/09/2020

Sampling Date:

01/09/2020

Reported:

01/10/2020

Sampling Type:

Soil

Project Name:

FEDERAL AB - B BATTERY

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Tamara Oldaker

Project Location:

FEDERAL AB-B BATTERY

Sample ID: V 2 C - 4.5' (H000084-01)

| BTEX 8021B | mg/ | kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/10/2020 | ND | 2.04 | 102 | 2.00 | 2.52 | |
| Toluene* | <0.050 | 0.050 | 01/10/2020 | ND | 2.04 | 102 | 2.00 | 3.01 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/10/2020 | ND | 2.04 | 102 | 2.00 | 2.48 | |
| Total Xylenes* | <0.150 | 0.150 | 01/10/2020 | ND | 6.11 | 102 | 6.00 | 1.58 | |
| Total BTEX | <0.300 | 0.300 | 01/10/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 1189 | 6 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 736 | 16.0 | 01/10/2020 | ND | 400 | 100 | 400 | 7.69 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/10/2020 | ND | 219 | 109 | 200 | 8.19 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/10/2020 | ND | 236 | 118 | 200 | 3.78 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/10/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 91.4 | % 41-142 | | | | | | | |
| Surrogate: 1-Chlorooctadecane | 98.0 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine



Analytical Results For:

EOG Y RESOURCES, INC CHASE SETTLE 105 SOUTH 4TH STREET ARTESIA NM, 88210 (575) 748-4131 Fax To:

Received:

01/09/2020

Reported:

01/10/2020

Project Name: Project Number: FEDERAL AB - B BATTERY

Project Location:

NONE GIVEN

FEDERAL AB-B BATTERY

Sampling Date:

01/09/2020

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

Sample ID: H 9 - 3 (H000084-02)

| BTEX 8021B | mg, | kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/10/2020 | ND | 2.04 | 102 | 2.00 | 2.52 | |
| Toluene* | <0.050 | 0.050 | 01/10/2020 | ND | 2.04 | 102 | 2.00 | 3.01 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/10/2020 | ND | 2.04 | 102 | 2.00 | 2.48 | |
| Total Xylenes* | <0.150 | 0.150 | 01/10/2020 | ND | 6.11 | 102 | 6.00 | 1.58 | |
| Total BTEX | <0.300 | 0.300 | 01/10/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PIL | 117 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | kg | Analyze | d By: AC | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 528 | 16.0 | 01/10/2020 | ND | 400 | 100 | 400 | 7.69 | |
| TPH 8015M | mg, | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/10/2020 | ND | 219 | 109 | 200 | 8.19 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/10/2020 | ND | 236 | 118 | 200 | 3.78 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/10/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 85.8 | % 41-142 | K. | | | | | | |
| Surrogate: 1-Chlorooctadecane | 92.3 | % 37.6-14 | 7 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

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Notes and Definitions

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 SM4500CI-B does not require samples be received at or below 6°C

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

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Celey D. Keene

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

| Project Manager: | ARDINAL LA 101 East Mark |
|------------------|---|
| Chase Settle | ARDINAL LABORATORIES 101 East Marland, Hobbs, NM 88240 |
| | (505) 393-2326 FAX (505) 393-2476 |
| Project Name: | |
| Federal AB B | |

Page 5 of 5

| | | (| \ | | | | | | | 7 | | | | | | | | | | | - | | | | | | |
|------|-------------------|------------------|--------|--------------|--|-----------------------|--|---|---|---|---|---|---|---|----------|-------------|------------------------|---|---------|----------------|---|-------------------------------|-------------------|----------------------|----------------------|----------------------|----------------------|
| 0666 | Relinquished by: | Relinquished by: | | Relinquished | | Special Instructions: | | | | | | | | | N | \ \ \ | LAB # (lab use only) | באטווא #: | | (lab use only) | | S | 4 | C | 0 | C | ס־ |
| , | d by: | by: | 1 | J PK | | structions: | | | | | | | | | H9-3 | V2C-4.5' | FIELD CODE | TIL | Herecon | 8 | 0 | Sampler Signature: | Telephone No: 575 | City/State/Zip: Arte | Company Address: 104 | Company Name EO | Project Manager: Cha |
| | | | | | | TP. | | | | | | | | | | | ÖDE | 7 | | , | (| N | 575-748-1471 | Artesia, NM 88210 | South 4 | G Y Res | Chase Settle |
| | Date | Date | 1-4-10 | Date | | TPH EXTENDED needed | | | | | | | | | | | | | | | | | 71 | 88210 | 104 South 4th Street | EOG Y Resources Inc. | Ф |
| | | | V | | | nee | | | | | | | | | | | Beginning Depth | | | | | / | | | | | |
| | Time | Time | 16 | Time | | eded. | | | | | | | | | | | Ending Depth | | | | | | | | | | |
| | Received by ELOT: | Received by: | laur | Received by: | | | | | | | | | | | 1/9/2020 | 1/9/2020 | Date Sampled | | | | | | | | | | |
| | OT: | , | and h | | | | | | | | | | | | 9:33 AM | 9:30 AM | Time Sampled | | | | | e-mail: | Fax No: | | | | |
| | | | B | 1 | | | | | | | | | | | | | Field Fillered |] | | | | | | | | | |
| | | | B | | | | | | - | | | | | | _ | 1 | Total #. of Containers | L | - | | | $\frac{2}{2}$ | | 1 | l | | |
| | 1 | (| 1. | 1 | | | | | | | | | | | × | × | Ice | ٦, | | | | ase | | | | | |
| | 1 | 1 | KV | 1 | | | | | | | _ | | | | | | HNO ₃ | Preservation & # of C | l | | | Chase Settle@eogresources.com | | | | | |
| | | | 1 |) | | | | | | | | | _ | _ | | | HCI | vatio | l | | | èett | | | | | |
| | | | | | | ļ | | _ | | | _ | _ | _ | _ | | | H₂SO₄ | 1 &#</td><td></td><td></td><td></td><td>le(</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td>_</td><td></td><td>_</td><td>\dashv</td><td>_</td><td></td><td>NaOH</td><td></td><td>1</td><td></td><td></td><td>Dec</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td>+</td><td></td><td>1</td><td>_</td><td></td><td>ŀ</td><td></td><td></td><td></td><td>_</td><td></td><td>-</td><td>_</td><td>\dashv</td><td></td><td></td><td>Na₂S₂O₃</td><td>ontainers</td><td>l</td><td></td><td>7</td><td>ogr</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td>555</td><td>1</td><td>410</td><td></td><td>ŀ</td><td></td><td>-</td><td></td><td>-</td><td></td><td>\dashv</td><td>-</td><td>-</td><td>-</td><td></td><td>None Other (Specify)</td><td>Ers</td><td>ı</td><td></td><td></td><td>esc</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td>Date</td><td>Date</td><td>9-20</td><td>Date</td><td></td><td>ŀ</td><td></td><td></td><td>-</td><td>-</td><td>-</td><td>_</td><td>-</td><td>-</td><td>-</td><td>-</td><td>DW=Drinking Water SL=Sludge</td><td>╁</td><td>ł</td><td></td><td></td><td>urc</td><td>ļ</td><td>ļ</td><td>J</td><td>, I</td><td>1</td></tr><tr><td></td><td></td><td></td><td>8</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>S</td><td>S</td><td>GW = Groundwater S=Soil/Solid</td><td>Matrix</td><td></td><td></td><td></td><td>es</td><td>Re</td><td></td><td></td><td></td><td></td></tr><tr><td></td><td>1</td><td></td><td>-</td><td>٦</td><td></td><td>ı</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>NP=Non-Potable Specify Other</td><td>×</td><td></td><td></td><td></td><td>.00</td><td>DOT.</td><td></td><td>ש</td><td></td><td>Pro</td></tr><tr><td></td><td>Time</td><td>Time</td><td>516</td><td>Time</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>×</td><td>×</td><td>TPH: 8015B</td><td></td><td></td><td></td><td></td><td>3</td><td>Report Format:</td><td></td><td>Project Loc:</td><td>Pro</td><td>Project Name:</td></tr><tr><td></td><td></td><td></td><td></td><td>()</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>TPH: TX 1005 TX 1006</td><td></td><td>]</td><td></td><td>П</td><td></td><td>mat</td><td>PO#</td><td>Ë</td><td>Project#:</td><td>Nan</td></tr><tr><td>T_{en}</td><td></td><td>San</td><td>Cus</td><td>Lab</td><td>San</td><td>Lab</td><td></td><td></td><td>_</td><td>_</td><td>_</td><td></td><td></td><td></td><td></td><td></td><td>Cations (Ca, Mg, Na, K)</td><td></td><td></td><td>П</td><td>П</td><td></td><td>_</td><td>#</td><td>ក្ត</td><td>#</td><td>E.</td></tr><tr><td>per</td><td>Dy C</td><td>hple by S</td><td>tody</td><td>els c</td><td>)ple</td><td>orat</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Anions (CI, SO4, Alkalinity)</td><td></td><td>TOTAL:</td><td>7</td><td>П</td><td></td><td>x Standard</td><td>205-0750</td><td></td><td></td><td></td></tr><tr><td>atur</td><td>ò</td><td>Har</td><td>Sea</td><td>n c</td><td>Cor</td><td>ÿ.</td><td></td><td></td><td></td><td>_</td><td>_</td><td></td><td></td><td></td><td></td><td></td><td>SAR / ESP / CEC</td><td></td><td>1.</td><td>TCLP:</td><td></td><td></td><td>Stan</td><td>075</td><td></td><td></td><td></td></tr><tr><td>e U</td><td>er.</td><td>ler/C</td><td>ls o</td><td>onta</td><td>of H</td><td>Col</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Metals: As Ag Ba Cd Cr Pb Hg</td><td>Se</td><td></td><td></td><td>An</td><td></td><td>dar</td><td>0</td><td></td><td></td><td></td></tr><tr><td>Temperature Upon Receipt 28</td><td></td><td>Sample Hand Delivered by Sampler/Client Rep. ?</td><td>Custody seals on cooler(s)</td><td>Labels on container(s)</td><td>Sample Containers Intact? VOCs Free of Headspace?</td><td>Laboratory Comments:</td><td></td><td></td><td></td><td></td><td>_</td><td></td><td></td><td></td><td></td><td></td><td>Volatiles</td><td></td><td>L</td><td>Ц</td><td>Analyze</td><td></td><td></td><td></td><td>Fe</td><td></td><td>Fe</td></tr><tr><td>Rec</td><td>270</td><td>ered t Re</td><td>oler</td><td>(S)</td><td>Inta</td><td>nts</td><td></td><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Semivolatiles</td><td></td><td>L</td><td>Ц</td><td>e For:</td><td></td><td>_</td><td></td><td>der</td><td>1</td><td>dera</td></tr><tr><td>eipt</td><td>0,</td><td></td><td>(S)</td><td></td><td>3</td><td>**</td><td></td><td></td><td>\perp</td><td></td><td></td><td></td><td></td><td></td><td>×</td><td></td><td>BTEX: 8021B</td><td></td><td></td><td></td><td>ñ</td><td></td><td>Ļ</td><td></td><td>Federal AB</td><td></td><td>al A</td></tr><tr><td>1</td><td>H</td><td>2</td><td>S</td><td></td><td></td><td></td><td>\perp</td><td>\Box</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>_</td><td>RCI</td><td></td><td></td><td></td><td></td><td></td><td>TRRP</td><td></td><td>88</td><td></td><td>(D)</td></tr><tr><td>Q</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>_ </td><td></td><td></td><td>_ </td><td></td><td>_</td><td></td><td>_</td><td>N.O.R.M.</td><td></td><td></td><td>_</td><td></td><td></td><td>U</td><td></td><td></td><td></td><td>Ba</td></tr><tr><td>00</td><td>redex</td><td>\sim</td><td>Y</td><td>N</td><td>20</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>×</td><td></td><td>Chlorides</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Battery</td><td></td><td>Federal AB B Battery</td></tr><tr><td></td><td>×</td><td></td><td>4</td><td>N</td><td>30</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>SAR</td><td></td><td>_</td><td></td><td></td><td></td><td></td><td></td><td>Y</td><td></td><td>Y</td></tr><tr><td>1520</td><td>Lone Star</td><td>المامورية</td><td></td><td></td><td></td><td>-</td><td></td><td>_</td><td></td><td></td><td>_</td><td></td><td>4</td><td>_</td><td>_</td><td></td><td></td><td></td><td></td><td>\sqcup</td><td></td><td></td><td>NPDES</td><td></td><td></td><td></td><td></td></tr><tr><td>ဂံ</td><td>Sta</td><td>zz</td><td>ZZ</td><td>z</td><td>ZZ</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>4</td><td>_</td><td>×</td><td>×</td><td>RUSH TAT (Pre-Schedule) 24,</td><td>18, 7</td><td>2 hr</td><td>5</td><td></td><td></td><td>S</td><td></td><td></td><td></td><td></td></tr><tr><td>7</td><td>4</td><td></td><td></td><td></td><td>6.4</td><td></td><td></td><td></td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Standard TAT</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td><td></td></tr></tbody></table> | | | | | | | | | |

January 17, 2020

Appendix E

Form C-141 (Initial and Closure)

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

EOG Resources, Inc.

State of New Mexico Energy Minerals and Natural Resources Department

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

| Incident ID | |
|----------------|----------|
| District RP | 2RP-5701 |
| Facility ID | |
| Application ID | |

Release Notification

Responsible Party

7377

| Chase Settle | | | | | 575-748-1 | 471 | |
|-------------------------------|----------------|-----------------------------------|---------------------------------|------------|---------------------------------|------------------|--|
| Chase_Settle | e@eogresour | ces.com | | | Incident # | (assigned by OCL | D) |
| 104 S. 4 th Stı | reet, Artesia, | NM 88210 | | | | | |
| | | | Location | n of R | Release S | ource | |
| Latitude <u>32,6</u> | 9853 | | (NAD 83 in a | lecimal de | Longitude : grees to 5 decin | | |
| Site Name Fe | ederal AB B | Battery | ., , | | Site Type | Battery | |
| Date Release | Discovered | October 11, 2019 |) | | API# (if app | olicable) | |
| Unit Letter | Section | Township | Range | | Cour | nty | |
| M | 32 | 18S | 25E | Edd | у | | |
| Crude Oil | I | Volume Release | ed (bbls) 1 | ch calcula | tions or specific | Volume Rec | ne volumes provided below) overed (bbls) 1 |
| ☐ Produced | | Volume Release | | · | | | overed (bbls) 0 |
| | | Is the concentrate produced water | tion of dissolved >10,000 mg/l? | chloride | e in the | ⊠ Yes □ 1 | No |
| Condensa | ite | Volume Release | | | | Volume Rec | overed (bbls) |
| ☐ Natural G | as | Volume Release | ed (Mcf) | | | Volume Rec | overed (Mcf) |
| Other (de | scribe) | Volume/Weight | Released (provi | de units |) | Volume/Wei | ight Recovered (provide units) |
| Cause of Rele High winds c | | l vc water leg to bre | ak on a 40 Bbl 3 | -phase v | vertical separ | ation tank that | was half full at the time of the release. |

| Incident ID | | |
|----------------|----------|--|
| District RP | 2RP-5701 | |
| Facility ID | | |
| Application ID | | |

| Was this a major release as defined by | If YES, for what reason(s) does the respon | nsible party consider this a major release? |
|--|--|---|
| 19.15.29.7(A) NMAC? | | |
| ☐ Yes ⊠ No | | |
| | | |
| If VES, was immediate no | tice given to the OCD? By whom? To wh | hom? When and by what means (phone, email, etc)? |
| 11 1125, was immediate no | tion given to the OCD? By whom: To wh | iom. When and by what means (phone, email, etc). |
| | | |
| | Initial Ro | esponse |
| The responsible p | arty must undertake the following actions immediatel | ly unless they could create a safety hazard that would result in injury |
| ☐ The source of the relea | ase has been stonned | |
| | been secured to protect human health and | the environment. |
| _ | | dikes, absorbent pads, or other containment devices. |
| All free liquids and red | coverable materials have been removed and | d managed appropriately. |
| If all the actions described | above have <u>not</u> been undertaken, explain v | 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: Chase S | ettle | Title: Rep Safety & Environmental II |
| Signature: Chan Si | | |
| email: Chase_Settle@ | eogresources.com | Telephone: 575-748-1471 |
| | | - |
| OCD Only | | |
| | | Date: |
| 1000110d by. | | |

| Incident ID | |
|----------------|----------|
| District RP | 2RP-5701 |
| Facility ID | |
| Application ID | |

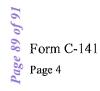
Site Assessment/Characterization

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? | | |
|---|------------|--|
| Did this release impact groundwater or surface water? | | |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | | |
| 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? | | |
| Are the lateral extents of the release overlying a subsurface mine? | | |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | | |
| Are the lateral extents of the release within a 100-year floodplain? | | |
| Did the release impact areas not on an exploration, development, production, or storage site? | | |
| 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 ½-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 | | |

Received by OCD: 1/17/2020 12:37:30 PM

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.



| Incident ID | |
|----------------|----------|
| District RP | 2RP-5701 |
| Facility ID | |
| Application ID | |

| 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: Chase Settle | Title: Rep Safety and Environmental II |
| Signature: Chan Settle | Date: 01/17/2020 |
| email: Chase_Settle@eogresources.com | Telephone: 575-748-1471 |
| | |
| OCD Only | |
| Received by: | Date: |

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

Remediation Plan

| Daniel Die Classiff E. J. C.J. C.H. S. M. C.J. | * 7 7 7 7 | |
|--|--|--|
| Remediation Plan Checklist: Each of the following items must be | e included in the plan. | |
| ☐ Detailed description of proposed remediation technique ☐ Scaled sitemap with GPS coordinates showing delineation points ☐ Estimated volume of material to be remediated ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) | | |
| | | |
| <u>Deferral Requests Only</u> : Each of the following items must be con | firmed as part of any request for deferral of remediation. | |
| Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction. | | |
| Extents of contamination must be fully delineated. | | |
| Contamination does not cause an imminent risk to human health | , the environment, or groundwater. | |
| | | |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. | | |
| Printed Name: | Title: | |
| Signature: | Date: | |
| email: | Telephone: | |
| OCD Only | | |
| Received by: | Date: | |
| Approved Approved with Attached Conditions of | Approval | |
| Signature: | Date: | |

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

| Incident ID | |
|----------------|----------|
| District RP | 2RP-5701 |
| 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.

| 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 | ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) | | |
| □ Description of remediation activities | | | |
| | | | |
| and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of a should their operations have failed to adequately investigate and rem human health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regulat restore, reclaim, and re-vegetate the impacted surface area to the con accordance with 19.15.29.13 NMAC including notification to the OC Printed Name: Chase Settle Signature: Signature | ediate contamination that pose a threat to groundwater, surface water, C-141 report does not relieve the operator of responsibility for ions. The responsible party acknowledges they must substantially ditions that existed prior to the release or their final land use in | | |
| 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: | | |