

SITE INFORMATION

Report Type: Work Plan 2RP-5417

General Site Information:

| | | | | | | |
|-----------------------------|---|---------|-------|------------|--|--|
| Site: | RJ Unit #108 | | | | | |
| Company: | COG Operating LLC | | | | | |
| Section, Township and Range | Unit F | Sec. 27 | T 17S | R 29E | | |
| Lease Number: | | | | | | |
| County: | Eddy County | | | | | |
| GPS: | 32.808046 | | | -104.06373 | | |
| Surface Owner: | Federal | | | | | |
| Mineral Owner: | | | | | | |
| Directions: | From the intersection of Lovington Hwy and Valley Gas Rd turn South on Valley Gas Rd and go .59 miles and turn east and go .57 miles and turn south and go .40 miles and arrive on site | | | | | |
| | | | | | | |
| | | | | | | |
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| | | | | | | |

Release Data:

| | |
|--------------------------|-----------------------------|
| Date Released: | 4/17/2019 |
| Type Release: | Produced Water |
| Source of Contamination: | Braden Head blowout |
| Fluid Released: | >13,690 bbls Produced water |
| Fluids Recovered: | 13,690 bbls produced water |

Official Communication:

| | | | |
|---------------|--|--|--|
| Name: | Ike Tavaréz | | Clair Gonzales |
| Company: | COG Operating, LLC | | Tetra Tech |
| Address: | One Concho Center | | 901 West Wall Street |
| | 600 W. Illinois Ave. | | Suite 100 |
| City: | Midland Texas, 79701 | | Midland, Texas |
| Phone number: | (432) 686-3023 | | (432) 687-8110 |
| Fax: | (432) 684-7137 | | |
| Email: | itavarez@concho.com | | Clair.Gonzales@tetrattech.com |

Site Characterization

| | |
|-----------------------|-------------------|
| Depth to Groundwater: | 76' bgs |
| Floodplain: | Within Floodplain |

Recommended Remedial Action Levels (RRALs)

| Benzene | Total BTEX | TPH (GRO+DRO+MRO) | Chlorides |
|----------|------------|-------------------|-----------|
| 10 mg/kg | 50 mg/kg | 100 mg/kg | 600 mg/kg |

304DR-190924-C-1410



TETRA TECH

September 10, 2019

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

Re: Work Plan for the COG Operating, LLC, RJ Unit #108, Unit F, Section 27, Township 17 South, Range 29 East, Eddy County, New Mexico. 2RP-5417

Mr. Bratcher:

Tetra Tech, Inc. (Tetra Tech) was contacted by COG Operating, LLC (COG) to assess a release that occurred at the RJ Unit #108, Unit F, Section 27, Township 17 South, Range 29 East, Eddy County, New Mexico (Site). The spill site coordinates are 32.808046°, -104.063730°. The site location is shown on **Figures 1 and 2**.

Background

According to the State of New Mexico C-141 Initial Report, the release was discovered on April 17, 2019 and released greater than 13,690 barrels of produced water due to a fitting on the Braden head blowing out. A vacuum truck was dispatched to remove all freestanding fluids, recovering approximately 13,690 barrels of produced water. As shown on **Figure 3**, the release occurred on pad and pasture impacting an area measuring approximately 400' x 1,500'. The C-141 form is included in Appendix A.

Site Characterization

A site characterization was performed for the site and no watercourses, lakebeds, sinkholes, playa lakes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, springs, wetlands, incorporated municipal boundaries, or subsurface mines are located within the specified distances. However, the site is located within a floodplain area and is in a low karst potential area.

The nearest water well is reported in Section 22 on the New Mexico Office of the State Engineer's (NMOSE) database, approximately 0.90 miles North of the site, and has a reported depth to groundwater of 79 feet below surface. The USGS database lists one well located in Section 35, approximately 1.25 miles to the southeast, has a reported depth to groundwater of 152 feet below surface. The USGS database also lists one well in Section 29, approximately 1.60 miles to the southwest of the site, with a reported depth to groundwater of 210 feet below

Tetra Tech

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Tel 432.682.4559 Fax 432.682.3946 www.tetrattech.com



surface. Additionally, two monitor wells (2" and 4") were found approximately 2.85 miles east of the site (32.813690, -104.018250), that were not listed with the USGS or NMOSE database. COG personnel gauged the monitor wells and found that the 2" well was dry with a total depth of 157' below surface. The 4" monitor well gauged showed a static water level of 266' below surface but could not measure the total depth of the well. The site characterization data is shown in Appendix B.

Regulatory

A risk-based evaluation was performed for the Site in accordance with the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills, and Releases, updated August 14, 2018. The guidelines require a risk-based evaluation of the site to determine recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. The proposed RRAL for benzene was determined to be 10 parts per million (ppm) or milligrams per kilogram (mg/kg) and 50 ppm for total BTEX (sum of benzene, toluene, ethylbenzene, and xylene). Based on the site characterization, the proposed RRAL for TPH is 100 mg/kg (GRO + DRO + MRO). Additionally, based on the site characterization, the proposed RRAL for chlorides is 600 mg/kg.

Initial Soil Assessment

Geo-Probe Installation and Sampling

On May 9-10, 2019, Talon personnel were onsite to evaluate and sample the release area. A total of twenty (20) Geoprobe bores (BH-1 through BH-20) were installed in the release footprint to total depths ranging from 0-1' and 12' below surface. Selected soil samples were collected and submitted to the laboratory for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B, and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix D. The sampling results are summarized in Table 1. The sample locations are shown on **Figure 4**.

Referring to Table 1, none of the samples collected showed benzene, total BTEX, or TPH concentrations above the laboratory reporting limits, with the exception of BH-13, which showed a TPH concentration of 539 mg/kg at 2.0' below surface. However, all boreholes showed elevated chloride concentrations. The areas of BH-12, BH-14, and BH-19 were not vertically defined at 600 mg/kg chlorides at depths ranging from 7.0' to 11.0' below surface. The remaining boreholes were vertically defined to 600 mg/kg at depths ranging from 2.0' to 12.0' below surface.

Horizontal and Overspray Sampling

On May 15, 2019, Talon personnel returned to the site to collect additional samples to assess the overspray area and establish horizontal delineation of the release footprint. A total of twenty (20) auger holes (S-1 through S-20) were installed to total depths 0-1' and 2.0' below surface. Auger holes (S-1 through S-8) were installed in the overspray area to the northeast of the pad and auger holes (S-9 through S-20) were installed around the perimeter of the release footprint for horizontal delineation. The soil samples were collected and submitted to the laboratory for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B,



and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix D. The sampling results are summarized in Table 1. The sample locations are shown on **Figure 5**.

Referring to Table 1, none of the samples collected showed benzene, total BTEX, or TPH concentrations above the laboratory reporting limits. Additionally, none of the samples showed any significant chloride concentrations, with concentrations ranging from <16.0 mg/kg to 160 mg/kg and the release footprint was horizontally defined.

Additional Soil Assessment and Re-Evaluation

Borehole Installation and Sampling

Due to recent heavy rains, Tetra Tech personnel returned to the site between June 1-12, 2019 to install boreholes at the site. The additional assessment was performed in order to re-evaluate the subsurface soils to determine if the heavy rains affected the chlorides distribution or concentrations in the subsurface soils.

A total of twenty-four (24) boreholes (BH-1 through BH-24) were installed in the release footprint to total depths ranging from 0-1' to 40.0' below surface. The soil samples were collected and submitted to the laboratory for chloride by EPA method 300.0. The drilling logs are included in Appendix C. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix D. The sampling results are summarized in Table 2. The sample locations are shown on **Figure 4 and 6**.

North and South Draw Areas

As shown in Figure 4, a total of seven (7) boreholes (BH-12, BH-13, BH-17, BH-18, BH-19, BH-20, and BH-24) were installed along the north draw area and eight (8) boreholes (BH-5, BH-6, BH-7, BH-8, BH-9, BH-10, BH-11, and BH-22) were installed along the south draw area. A chloride concentration distribution Cross-Section (A-A') of these areas are shown on **Figure 7A**.

The north draw area shows the heaviest chloride load, with concentrations exceeding 5,000 mg/kg, in the areas of BH-12, BH-13, BH-17, BH-18, BH-19, and BH-20 in the subsurface soils at depths ranging between 4.0' and 12.0' below surface. However, the areas of BH-12 and BH-13 showed chloride concentrations below 600 mg/kg in the shallow soils from surface to 3.0'-4.0' below surface before increasing with depth to chloride highs of 9,800 mg/kg at 5.0' and 8,660 mg/kg at 6.0' below surface, respectively. The area of BH-24 did not show any chloride concentrations above the RRLs. All of the boreholes in this north draw area were vertically defined to below 600 mg/kg at depths ranging from 9.0' to 35.0' below surface.

The south draw area showed the heaviest chloride loads, with concentrations above 5,000 mg/kg, in the areas of BH-5, BH-6, BH-8, BH-9, and BH-10 in the subsurface soils at depths ranging from surface to 12.0' below surface. The areas of BH-7, BH-8, BH-9, BH-10, and BH-11 did not show a significant chloride impact in the shallow soil from approximately 3.0' to 4.0' below surface before increasing with depth. The area of BH-22 did not show any elevated chloride concentrations above the RRLs. All of the boreholes in the south area were vertically defined to below 600 mg/kg at depths ranging from 6.0' to 25.0' below surface



Pad Area

A total of five (5) boreholes (BH-1, BH-2, BH-3, BH-4, and BH-23) were installed on the pad area. A chloride concentration distribution Cross-Section (B-B') of these areas is shown on **Figure 8A**.

Referring to Figure 8A, the heaviest chloride loads, with chloride concentrations exceeding 5,000 mg/kg, are in the shallow soils in the areas of BH-2, BH-3, and BH-23 at depths ranging from surface to 3.0' below surface. The areas of BH-1 and BH-4 showed chloride highs of 1,620 mg/kg at 4.0' and 3,280 mg/kg at 0-1', respectively, before declining with depth to below the RRALs at 5.0' below surface. All boreholes were vertically defined to below 600 mg/kg at depths ranging from 4.0' and 8.0' below surface.

South Pad Area/Pasture

A total of four (4) boreholes (BH-14, BH-15, BH-16, and BH-21) were installed in the south pad/pasture area. A chloride concentration distribution Cross-Section (C-C') of these areas is also shown on **Figure 8A**.

Referring to Figure 8A, the heaviest chloride loads, with concentrations exceeding 5,000 mg/kg, are in the area of BH-21 to a depth of 20.0' below surface. Upon further review, the historical aerial photographs appear to show a closed reserve pit in the area. The area of BH-14 showed a chloride high of 4,320 mg/kg at surface and was vertically defined to below 600 mg/kg at 8.0' below surface. The areas of BH-14 and BH-16 did not show any elevated chloride concentrations above the RRALs.

Proposed Work Plan

North and South Draw Areas

In the north draw area, COG proposes to excavate the areas as shown on **Figures 7B and 9A**. To remove some of elevated chlorides, the areas of boreholes (BH-12, BH-13 and, BH-17) will be excavated to a depth of approximately 7.0'-8.0' below surface and 4.0' in the areas of boreholes (BH-18, BH-19, and BH-20). Once excavated to the appropriate depth, the north area will be capped with a 20-mil liner and backfilled with clean soil. All of the material will be hauled to proper disposal.

In the south draw area, COG proposes to excavate the areas as shown on **Figures 7B and 9A**. The areas of boreholes (BH-5 and BH-6) will be excavated to an approximate depth of 7.0'-8.0' below surface and transported to proper disposal. In addition, the areas of boreholes (BH-7, BH-8, BH-9, BH-10, BH-11, and BH-12) will be excavated to a depth of approximately 4.0' below surface. The south draw area will be capped with a 20-mil liner at 4.0' below surface.



South Draw Area - Stockpile Sampling and Evaluation

As shown in **Figure 7B**, the top 4.0' of material did not show a significant chloride impact to the shallow soils in the areas of boreholes (BH-7, BH-8, BH-9, BH-10, BH-11, and BH-12). This area will be excavated to a depth of approximately 4.0' below surface. The excavated material will be segregated into approximately 50-75 cubic yard stockpiles and sampled for chloride analysis evaluation. Based on the sampling results, the stockpile material will be placed back into the excavated areas, if chloride concentrations are below 600 mg/kg. If the material exceeds 600 mg/kg, the excavated soil will be transported to proper disposal and the excavation will be backfilled with clean soil.

Pad Area

Based on the laboratory results, COG proposes to excavate the areas as shown on the on **Figure 8B and 9B**. The areas of BH-1, BH-2, BH-4, and BH-23 will be excavated to a depth of 1.0' below surface. The area of BH-3 will be excavated to a depth of 4.0' below surface. The excavated areas will be backfilled with clean soil. All of the material will be hauled to proper disposal.

South Pad Area/Pasture

In the south pad area, COG proposes to excavate the areas as shown on **Figure 8B and 9B**. The area of BH-21, which appears to be in the area of a closed reserve pit, will be excavated to a depth of 4.0' below surface and capped with a 20-mil liner to prevent further vertical migration of the deeper impacts. The area of BH-15 will be excavated to a depth of 4.0' below surface. The excavated areas will be backfilled with clean soil. All of the material will be hauled to proper disposal.

Liner Variance and Alternative Sampling Plan

Per rule 19.15.29.14, COG requests a variance to install a 20-mil liner at 4.0' in the closed reserve pit for the area of BH-21 and in the North and South Draw areas (BH-5, BH-6, BH-7, BH-8, BH-9, BH-11, BH-12, BH-13, and BH-17, BH-18, BH-19, and BH-20) to prevent vertical migration of the deeper chloride concentrations detected. Composite sidewall samples will be collected every 2,500 square feet (50' x 50' areas) in the North and South Draw areas. In addition, composite sidewall and bottom hole samples will be collected every 900 square feet (30' x 30') on the Pad and South Pad/Pasture areas. All of the composite samples will be analyzed for chlorides by EPA method 300.0.

An active Plains Pipeline (buried line) is located along the North and South Draw release areas. For proper capping of the impacted areas, the 20-mil liner will be placed underneath the Plains Pipeline. The location of the Plains Pipeline is shown on **Figure 4 and 9A**.

The proposed excavation depths may not be reached due to wall cave ins and safety concerns for onsite personnel. Also, impacted soil around oil and gas equipment, structures or lines may not be feasible or practicable to be removed due to safety concerns for onsite personnel. As such, COG will excavate the impacted soils to the maximum extent practicable.



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Once the excavation is complete, the areas will be backfilled with clean material to surface grade. COG estimates approximately 27,000 cubic yards will be excavated, and the remediation to be implemented 90 days after the work plan is approved.

Conclusion

Once the remediation activities have been completed, a final report will be submitted. If you have any questions or comments concerning the assessment or remediation activities for this site, please call at (432) 682-4559.

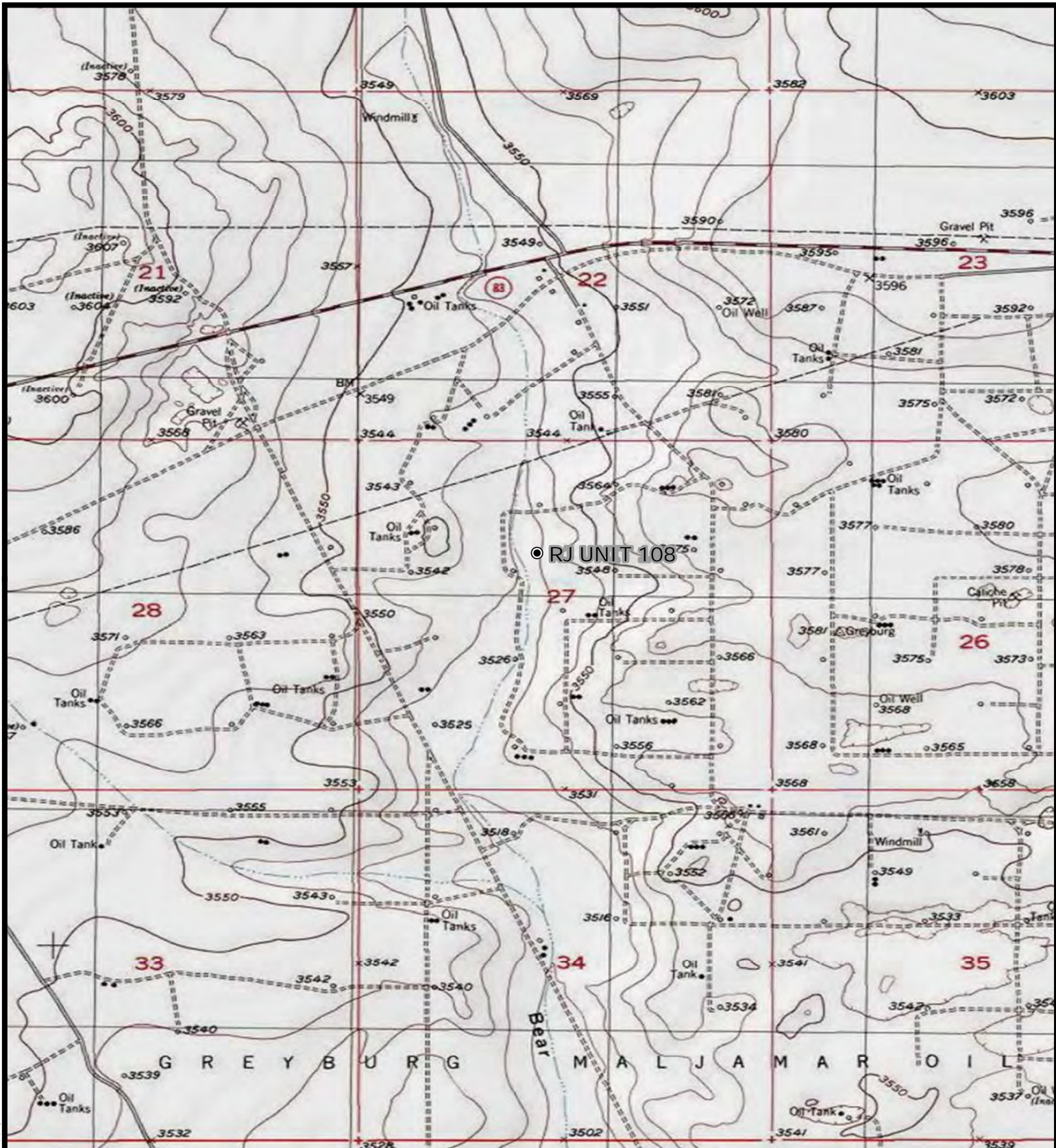
Respectfully submitted,
TETRA TECH

Clair Gonzales, P.G.
Project Manager

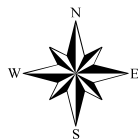
cc:
Ike Tavaréz - COG

Figures

Date: 7/24/2019 Document Path: C:\Users\MISTI\MORGAN\Desktop\project folder\212C-HN-01821 COG RUJ 808 CROSS SECTION\MDX212C-MD-01821 COG RUJ CROSS SECTION FIG. 2.mxd



● SITE LOCATION



0 1,000 2,000

Approximate Scale in Feet



TOPOGRAPHIC MAP

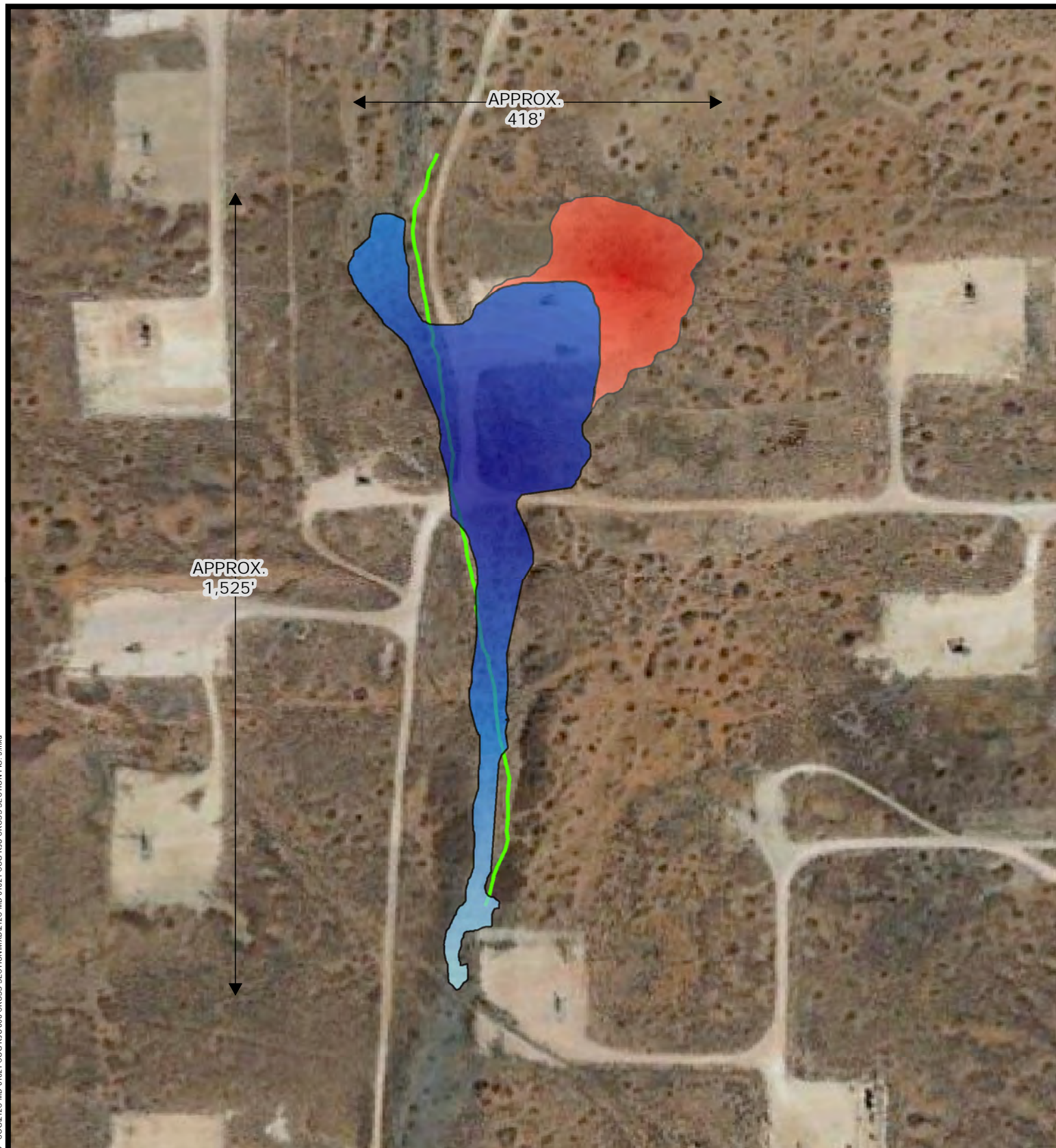
RJ UNIT 108

PROPERTY LOCATED AT 32.808046°,-104.063730°
EDDY COUNTY, NEW MEXICO

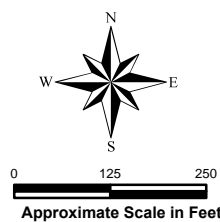


Project #:
212C-HN-01821

FIGURE
2



- PLAINS PIPELINE
- AFFECTED SPILL AREA
- OVERSPRAY SPILL AREA



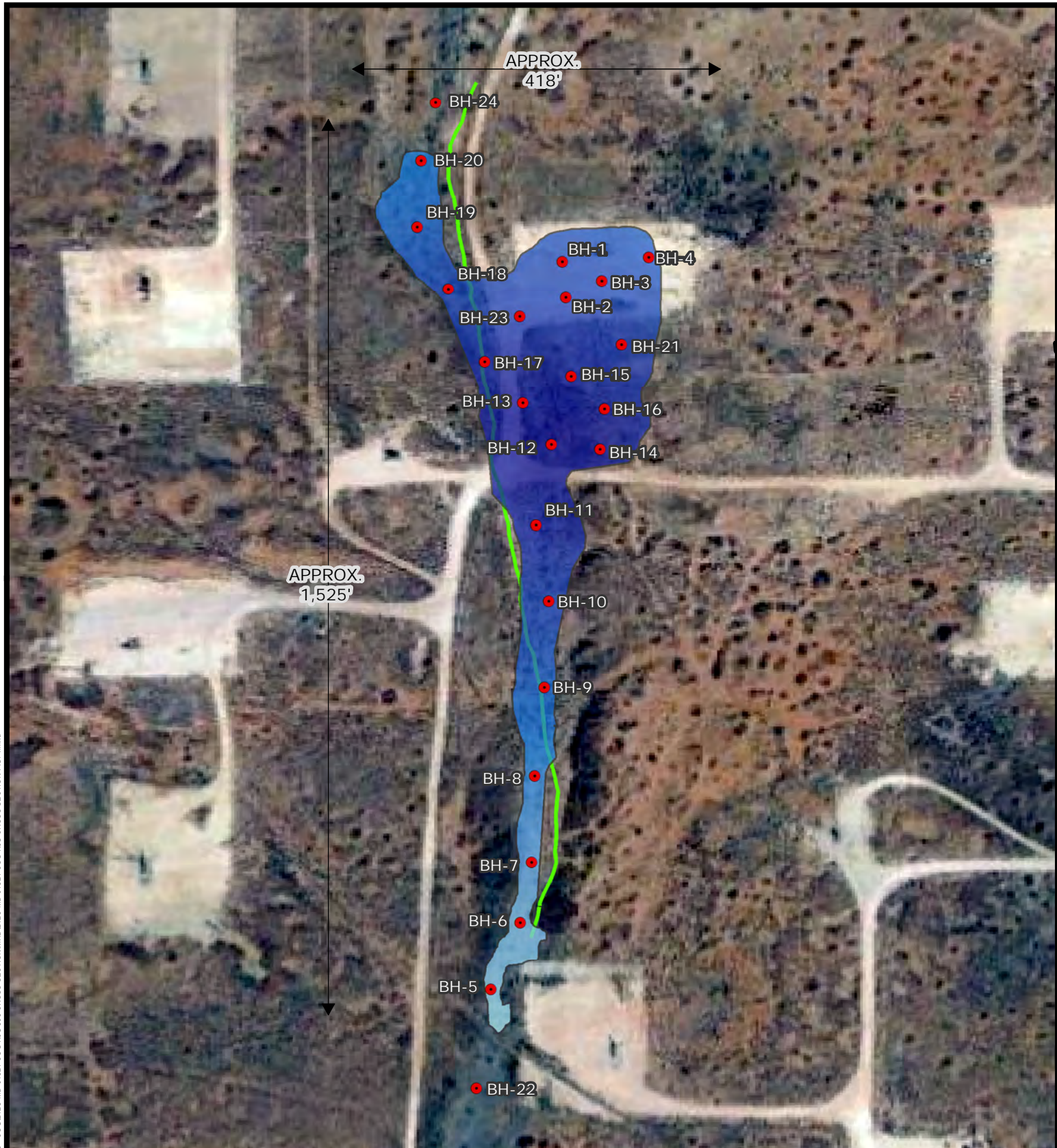
Source: "New Mexico", 32°48'28.97"N, 104° 3'49.43"W. GOOGLE EARTH.
December 2016, July 23, 2019

Approximate Scale in Feet

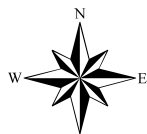
SITE MAP
RJ UNIT 108
PROPERTY LOCATED AT 32.808046°,-104.063730°
EDDY COUNTY, NEW MEXICO



FIGURE
3



- BOREHOLE SAMPLE LOCATION
- PLAINS PIPELINE
- AFFECTED SPILL AREA

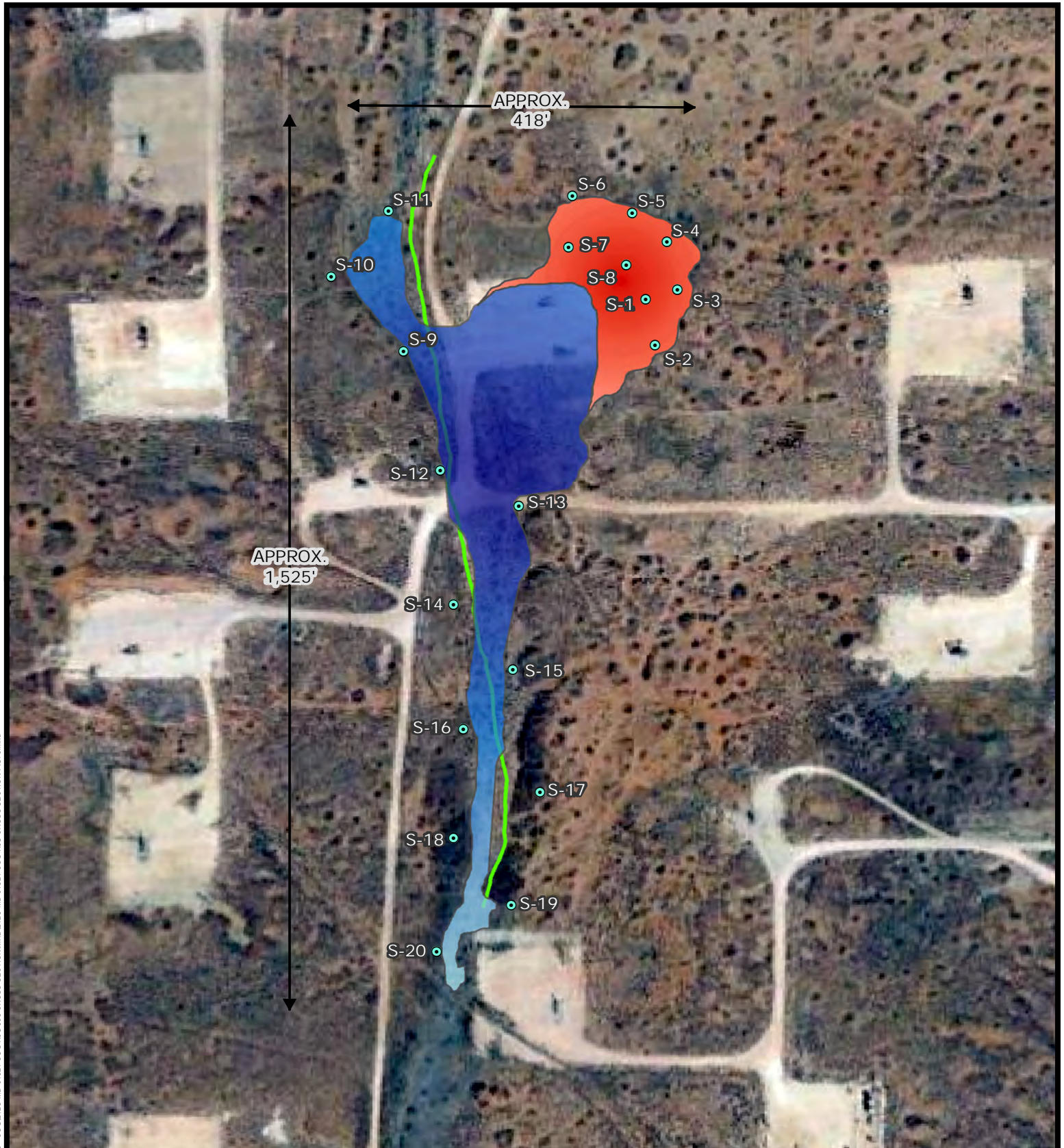


0 125 250
Approximate Scale in Feet

SPILL ASSESSMENT MAP - BOREHOLE LOCATIONS
RJ UNIT 108
PROPERTY LOCATED AT 32.808046°,-104.063730°
EDDY COUNTY, NEW MEXICO



FIGURE
4



● HORIZONTAL SAMPLE LOCATIONS

— PLAINS PIPELINE

OVERSPRAY AFFECTED AREA

AFFECTED SPILL AREA



0 125 250

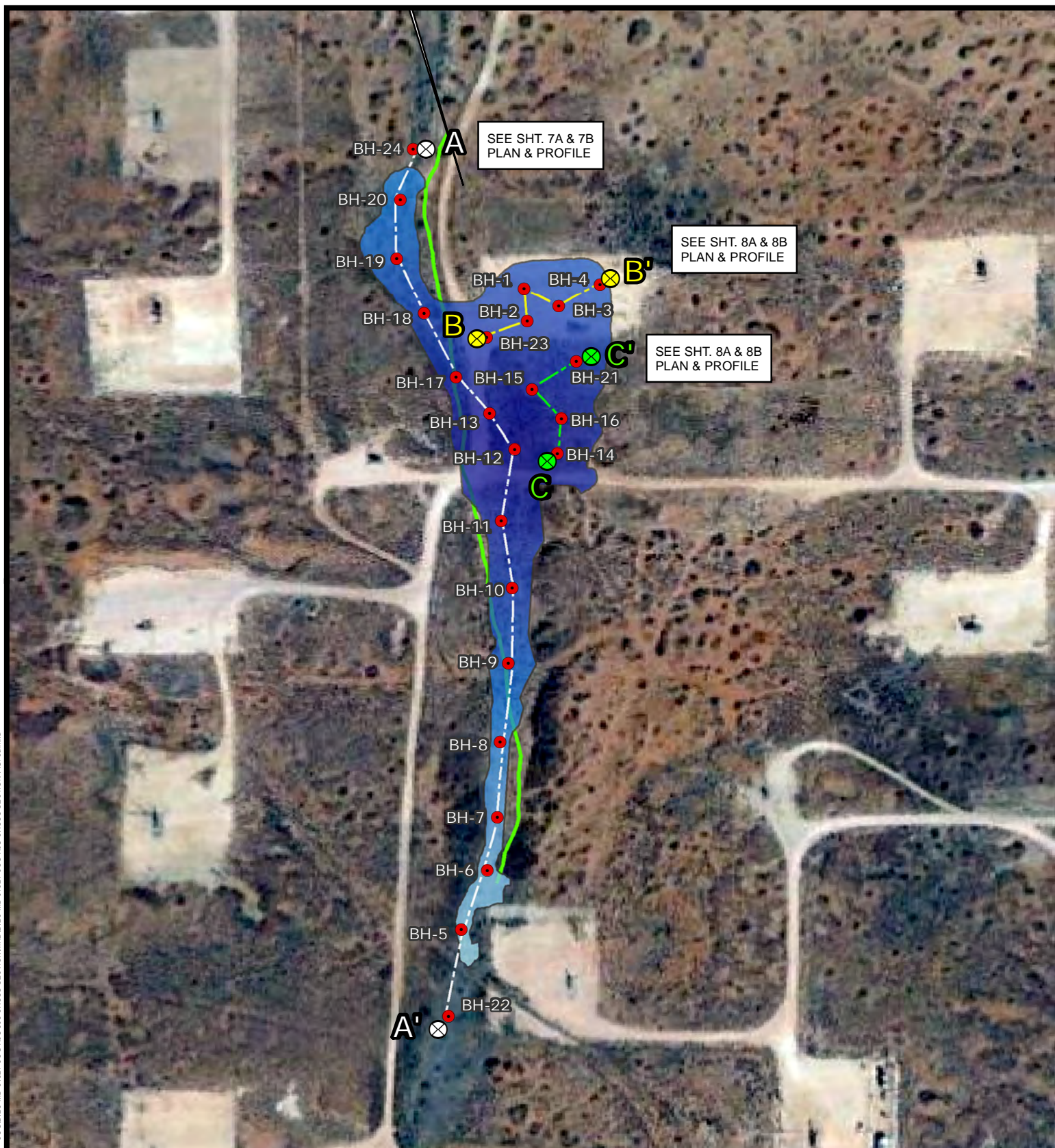
Approximate Scale in Feet

SPILL ASSESSMENT MAP-HORIZONTAL SAMPLE LOCATIONS
RJ UNIT 108
PROPERTY LOCATED AT 32.808046°,-104.063730°
EDDY COUNTY, NEW MEXICO



Project #:
212C-MD-01821

FIGURE
5



- BOREHOLE SAMPLE LOCATIONS
- DENOTES CROSS SECTION LINE
- PLAINS PIPELINE
- AFFECTED SPILL AREA



0 125 250

Approximate Scale in Feet

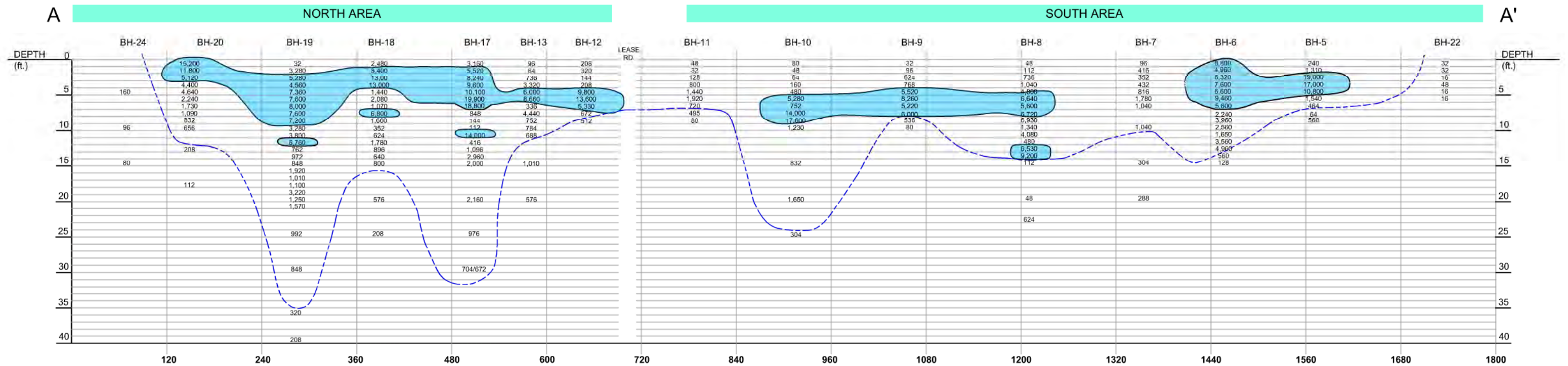
SITE MAP- BOREHOLE LOCATIONS A-A', B-B' & C-C'
RJ UNIT 108
PROPERTY LOCATED AT 32.808046°,-104.063730°
EDDY COUNTY, NEW MEXICO



Project #:
212C-MD-01821



FIGURE
6

CROSS SECTION
A-A'



HORIZ. SCALE 1"=120'

LEGEND

 >5000 PPM CHLORIDE
 >600 PPM CHLORIDE

NOTES:



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(432) 682-4559



NORTH

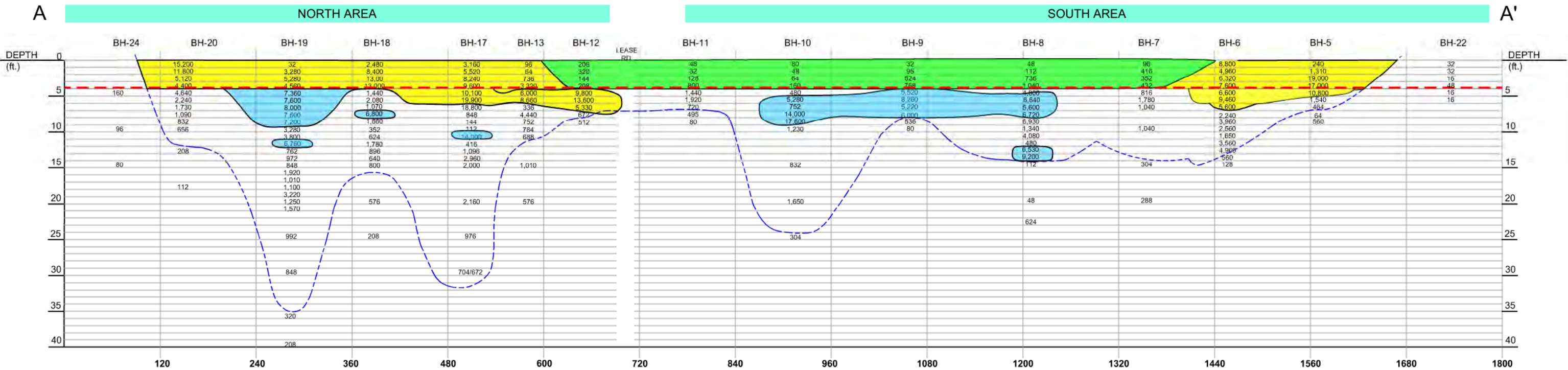


FIGURE 7A
CROSS SECTION A-A'
CHLORIDE CONCENTRATION DISTRIBUTION(mg/kg)
RJ UNIT 108
PROPERTY LOCATED AT 32.808046°,-104.063730°
EDDY COUNTY, NEW MEXICO

| |
|------------------------|
| Project: 212C-MD-01821 |
| Date: 8/20/2019 |



CROSS SECTION
A-A'



HORIZ. SCALE 1"=120'

- LEGEND**
- PROPOSED EXCAVATION
 - PROPOSED EXCAVATION / SAMPLE / PLACE MATERIAL BACK INTO EXCAVATED AREA
 - >5000 PPM CHLORIDE
 - >600 PPM CHLORIDE
 - LINER

NOTES:

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CONCHO

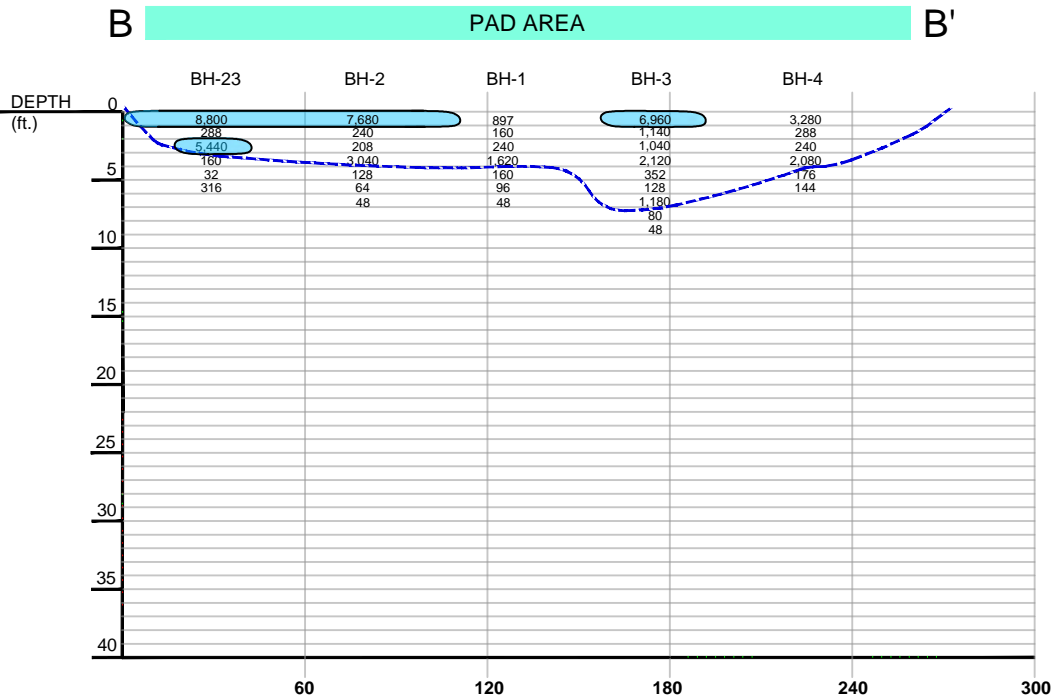
NORTH

0 40 120ft

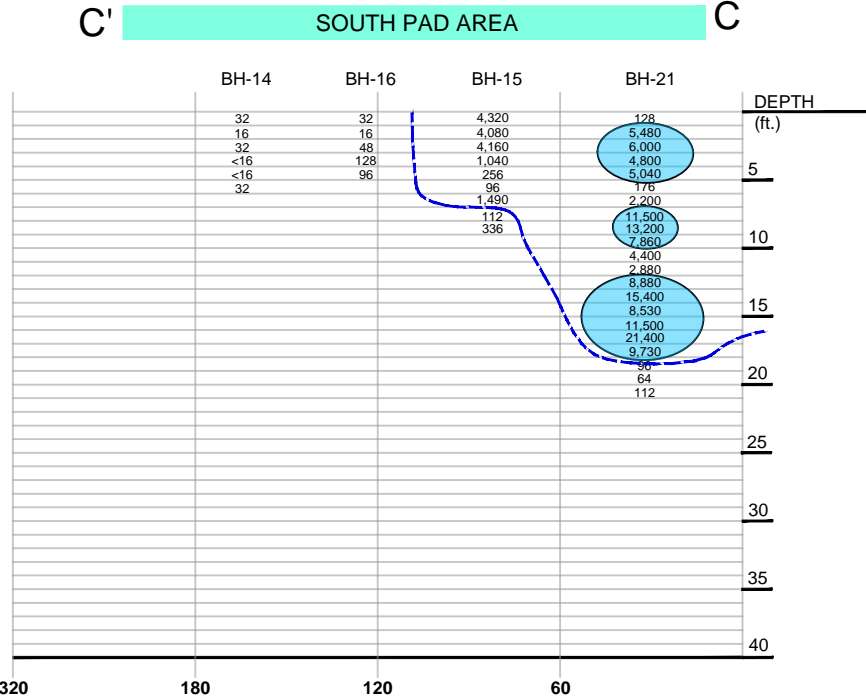
FIGURE 7B
CROSS SECTION A-A'
PROPOSED EXCAVATION MAP
RJ UNIT 108
PROPERTY LOCATED AT 32.808046°,-104.063730°
EDDY COUNTY, NEW MEXICO

Project: 212C-MD-01821
Date: 8/20/2019
File: FIGURE 7B

CROSS SECTION
B-B'



CROSS SECTION
C-C'



LEGEND

- >5000 PPM CHLORIDE
- >600 PPM CHLORIDE

NOTES:

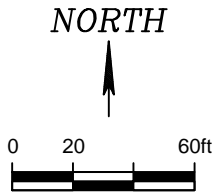
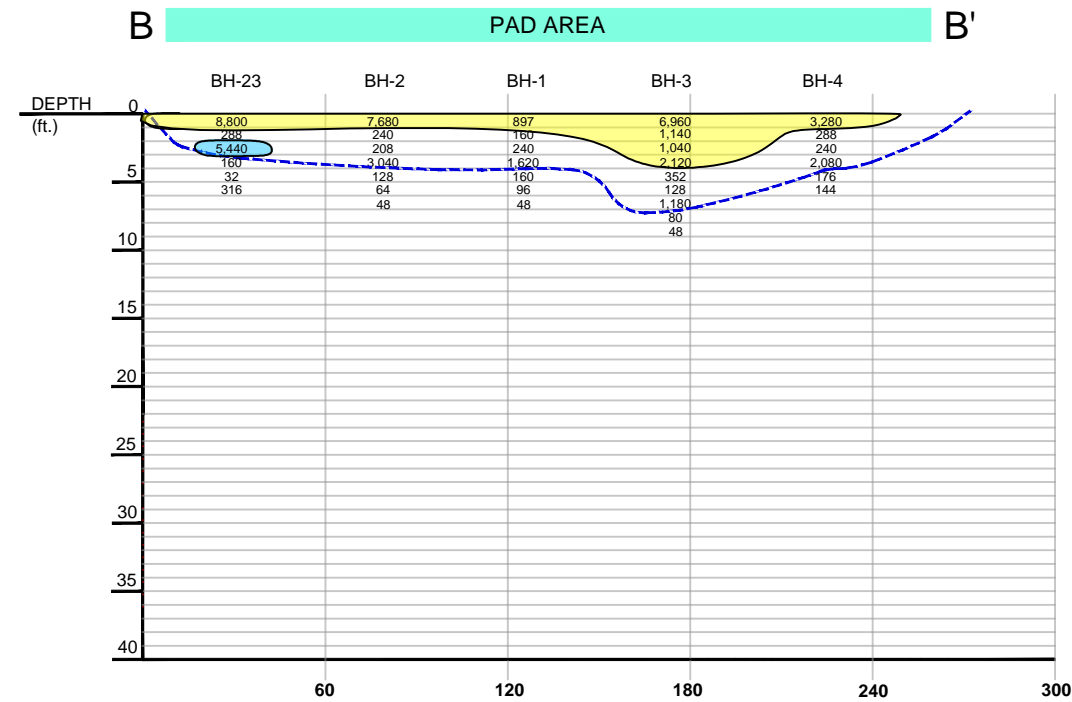


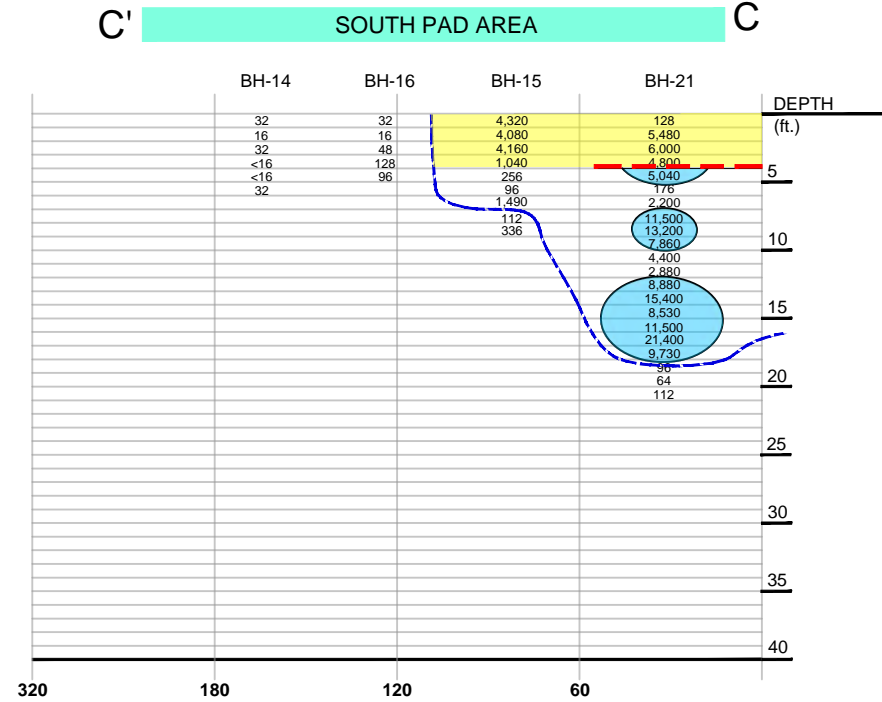
FIGURE 8A
CROSS SECTION B-B' & C-C'
CHLORIDE CONCENTRATION DISTRIBUTION(mg/kg)
RJ UNIT 108
PROPERTY LOCATED AT 32.808046°,-104.063730°
EDDY COUNTY, NEW MEXICO

Project: 212C-MD-01821
Date: 8/19/2019
File: FIGURE 8A

CROSS SECTION
B-B'



CROSS SECTION
C-C'



HORIZ. SCALE 1"=60'

LEGEND

- PROPOSED EXCAVATION
- >5000 PPM CHLORIDE
- >600 PPM CHLORIDE
- LINER

NOTES:

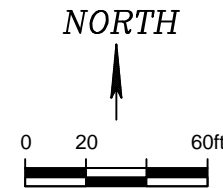


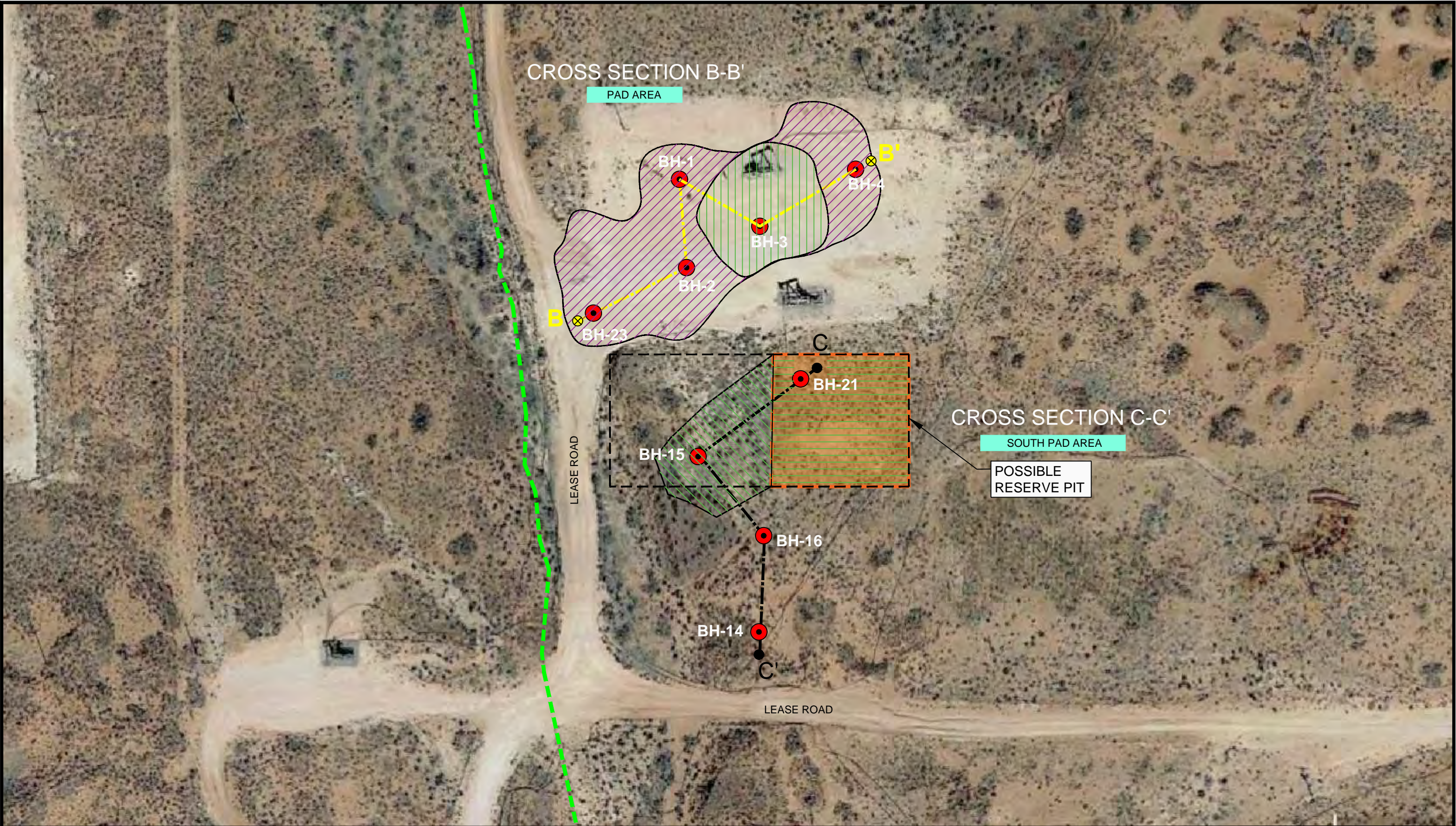
FIGURE 8B
CROSS SECTION B-B' & C-C'
PROPOSED EXCAVATION MAP
RJ UNIT 108
PROPERTY LOCATED AT 32.808046°,-104.063730°
EDDY COUNTY, NEW MEXICO

Project: 212C-MD-01821
Date: 8/19/2019
File: FIGURE 8B





| | | | | |
|--|----------------------|---|--|--|
| <p>LEGEND</p> <ul style="list-style-type: none">● BOREHOLE SAMPLE LOCATION--- PLAINS PIPELINE4.0' PROPOSED EXCAVATION7.0'-8.0' PROPOSED EXCAVATIONLINER | <p>NOTES:</p> | <p>TETRA TECH 901 W. Wall St. Ste. 100, Midland, TX 79701 (432) 682-4559</p> | <p>CONCHO</p> <p>NORTH</p> <p>0 40 120ft</p> | <p>FIGURE 9A</p> <p>PROPOSED EXCAVATION PASTURE MAP RJ UNIT 108 PROPERTY LOCATED AT 32.808046°,-104.063730° EDDY COUNTY, NEW MEXICO</p> <p>Project: 212C-MD-01821 Date: 8/22/2019 File: FIGURE 7A</p> |
|--|----------------------|---|--|--|



LEGEND

- BOREHOLE SAMPLE LOCATION
- PLAINS PIPELINE
- ▨ 1'.0' PROPOSED EXCAVATION
- ▤ 4.0' PROPOSED EXCAVATION
- ▭ LINER

NOTES:

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(432) 682-4559

CONCHO

NORTH

0 20 60ft

FIGURE 9B

PROPOSED EXCAVATION PAD & SOUTH PAD MAP
RJ UNIT 108
PROPERTY LOCATED AT 32.808046°,-104.063730°
EDDY COUNTY, NEW MEXICO

Project: 212C-MD-01821
Date: 8/20/2019
File: FIGURE 7B

Tables

Table 2
COG
RJ Unit #108 (4.17.19)
Eddy County, New Mexico

[illegible]

Table 2
COG
RJ Unit #108 (4.17.19)
Eddy County, New Mexico

[illegible]

Table 2
COG
RJ Unit #108 (4.17.19)
Eddy County, New Mexico

[illegible]

Table 2
COG
RJ Unit #108 (4.17.19)
Eddy County, New Mexico

[illegible]

Eddy County, New Mexico

[illegible]

Table 2
COG
RJ Unit #108 (4.17.19)
Eddy County, New Mexico

[illegible]

Table 2
COG
RJ Unit #108 (4.17.19)
Eddy County, New Mexico

| Sample ID | Sample Date | Sample Depth (ft) | Soil Status | | TPH (mg/kg) | | | | Benzene (mg/kg) | Toluene (mg/kg) | Ethlybenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|-----------|-------------|-------------------|-------------|---------|-------------|-----|-----|-------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
| | | | In-Situ | Removed | GRO | DRO | MRO | Total | | | | | | |
| BH-17 | 7/2/2019 | 0-1 | X | | - | - | - | - | - | - | - | - | - | 3,160 |
| | " | 2 | X | | - | - | - | - | - | - | - | - | - | 5,520 |
| | " | 3 | X | | - | - | - | - | - | - | - | - | - | 8,240 |
| | " | 4 | X | | - | - | - | - | - | - | - | - | - | 9,600 |
| | " | 5 | X | | - | - | - | - | - | - | - | - | - | 10,100 |
| | " | 6 | X | | - | - | - | - | - | - | - | - | - | 19,800 |
| | " | 7 | X | | - | - | - | - | - | - | - | - | - | 18,800 |
| | " | 8 | X | | - | - | - | - | - | - | - | - | - | 848 |
| | " | 9 | X | | - | - | - | - | - | - | - | - | - | 144 |
| | " | 10 | X | | - | - | - | - | - | - | - | - | - | 112 |
| | " | 11 | X | | - | - | - | - | - | - | - | - | - | 14,000 |
| | " | 12 | X | | - | - | - | - | - | - | - | - | - | 416 |
| | " | 13 | X | | - | - | - | - | - | - | - | - | - | 1,090 |
| | " | 14 | X | | - | - | - | - | - | - | - | - | - | 2,960 |
| BH-17 | 7/11/2019 | 10 | X | | - | - | - | - | - | - | - | - | - | 1,520 |
| | " | 15 | X | | - | - | - | - | - | - | - | - | - | 2,000 |
| | " | 20 | X | | - | - | - | - | - | - | - | - | - | 2,160 |
| | " | 25 | X | | - | - | - | - | - | - | - | - | - | 976 |
| | " | 30 | X | | - | - | - | - | - | - | - | - | - | 704 |
| | | | | | Re-run | | | | | | | | | 672 |

Table 2
COG
RJ Unit #108 (4.17.19)
Eddy County, New Mexico

[illegible]

Table 2
COG
RJ Unit #108 (4.17.19)
Eddy County, New Mexico

[illegible]

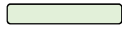
RJ Unit #108 (4.17.19)
Eddy County, New Mexico

[illegible]

Table 2
COG
RJ Unit #108 (4.17.19)
Eddy County, New Mexico

| Sample ID | Sample Date | Sample Depth (ft) | Soil Status | | TPH (mg/kg) | | | | Benzene (mg/kg) | Toluene (mg/kg) | Ethlybenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|-----------|-------------|-------------------|-------------|---------|-------------|-----|-----|-------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
| | | | In-Situ | Removed | GRO | DRO | MRO | Total | | | | | | |
| BH-22 | 7/2/2019 | 0-1 | X | | - | - | - | - | - | - | - | - | - | 32.0 |
| | " | 2 | X | | - | - | - | - | - | - | - | - | - | 32.0 |
| | " | 3 | X | | - | - | - | - | - | - | - | - | - | 16.0 |
| | " | 4 | X | | - | - | - | - | - | - | - | - | - | 48.0 |
| | " | 5 | X | | - | - | - | - | - | - | - | - | - | 16.0 |
| | " | 6 | X | | - | - | - | - | - | - | - | - | - | 16.0 |
| BH-23 | 7/1/2019 | 0-1 | X | | - | - | - | - | - | - | - | - | - | 8,800 |
| | " | 2 | X | | - | - | - | - | - | - | - | - | - | 288 |
| | " | 3 | X | | - | - | - | - | - | - | - | - | - | 80.0 |
| | " | 4 | X | | - | - | - | - | - | - | - | - | - | 5,440 |
| | " | 5 | X | | - | - | - | - | - | - | - | - | - | 160 |
| | " | 6 | X | | - | - | - | - | - | - | - | - | - | 32.0 |
| BH-24 | 7/12/2019 | 5 | X | | - | - | - | - | - | - | - | - | - | 160 |
| | " | 10 | X | | - | - | - | - | - | - | - | - | - | 96.0 |
| | " | 15 | X | | - | - | - | - | - | - | - | - | - | 80.0 |

(-) Not Analyzed

 Proposed Excavation Depths

 Proposed Liner Depth

Photos

COG Operating LLC
RJ Unit 108
Eddy County, New Mexico



TETRA TECH



View South – Pad Area



View North – Pad Area



View South – South Pad Area



Looking South – South Pad Area



View South – South Pad Area



Looking North – South Pad Area

COG Operating LLC
RJ Unit 108
Eddy County, New Mexico



TETRA TECH



View South – North Pasture Area



View North – North Pasture Area



View North – North Pasture Area



View South – South Pasture Area



View South – South Pasture Area



View South – South Pasture Area



View North – South Pasture Area



View South – South Pasture Area

Appendix A

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

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

Release Notification

Responsible Party

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

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

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

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

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

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

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

Cause of Release

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

| | |
|--|--|
| Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release? |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? | |

Initial Response

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

| | |
|--|------------------|
| <input type="checkbox"/> The source of the release has been stopped. <input type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately. | |
| If all the actions described above have <u>not</u> been undertaken, explain why: | |
| Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation. | |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. | |
| Printed Name: _____ | Title: _____ |
| Signature: <u>Delann O'neal</u> | Date: _____ |
| email: _____ | Telephone: _____ |
| <u>OCD Only</u> | |
| Received by: <u>Amalia Baramante</u> | Date: _____ |

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

Site Assessment/Characterization

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

| | |
|---|--|
| What is the shallowest depth to groundwater beneath the area affected by the release? | _____ (ft bgs) |
| Did this release impact groundwater or surface water? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | <input type="checkbox"/> Yes <input type="checkbox"/> 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? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Did the release impact areas not on an exploration, development, production, or storage site? | <input type="checkbox"/> Yes <input type="checkbox"/> No |

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

| |
|--|
| <p>Characterization Report Checklist: <i>Each of the following items must be included in the report.</i></p> <ul style="list-style-type: none"><input type="checkbox"/> Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.<input type="checkbox"/> Field data<input type="checkbox"/> Data table of soil contaminant concentration data<input type="checkbox"/> Depth to water determination<input type="checkbox"/> Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release<input type="checkbox"/> Boring or excavation logs<input type="checkbox"/> Photographs including date and GIS information<input type="checkbox"/> Topographic/Aerial maps<input type="checkbox"/> Laboratory data including chain of custody |
|--|

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

| | |
|----------------|--|
| Incident ID | |
| District RP | |
| 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: _____ Title: _____

Signature:  _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Remediation Plan

Remediation Plan Checklist: *Each of the following items must be 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)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: _____ Title: _____

Signature:  Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Appendix B

Water Well Data
Average Depth to Groundwater (ft)
RJ Unit #108
Eddy County, New Mexico

Artesia

| 16 South | | | 28 East | | |
|----------|----|----|---------|----|----|
| 6 | 5 | 4 | 3 | 2 | 1 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 18 | 17 | 16 | 15 | 14 | 13 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

| 16 South | | | 29 East | | |
|----------|----|----|---------|--------|----|
| 6 | 5 | 4 | 3 | 2 | 1 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 18 | 17 | 16 | 15 | 14 220 | 13 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

| 16 South | | | 30 East | | |
|----------|----|----|---------|----|----|
| 6 | 5 | 4 | 3 | 2 | 1 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 18 | 17 | 16 | 15 | 14 | 13 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

| 17 South | | | 28 East | | |
|----------|----|----|---------|------|----|
| 6 | 5 | 4 | 3 | 2 28 | 1 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 18 | 17 | 16 | 15 | 14 | 13 |
| 19 | 20 | 21 | 22 45 | 23 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

| 17 South | | | 29 East | | |
|----------|--------|----|---------|----|----|
| 6 | 5 | 4 | 3 | 2 | 1 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 18 | 17 | 16 | 15 | 14 | 13 |
| 19 | 20 | 21 | 22 76 | 23 | 24 |
| 30 | 29 210 | 28 | 27 Site | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

| 17 South | | | 30 East | | |
|----------|-------|----|---------|----|----|
| 6 | 5 | 4 | 3 | 2 | 1 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 18 | 17 | 16 | 15 | 14 | 13 |
| 19 | 20 80 | 21 | 22 | 23 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

| 18 South | | | 28 East | | |
|----------|-----|------|---------|------|----|
| 6 | 5 | 4 | 3 | 2 55 | 1 |
| 7 | 49 | 8 81 | 9 | 10 | 11 |
| 18 | 17 | 16 | 15 80 | 14 | 13 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 30 | 137 | 29 | 28 | 27 | 26 |
| 31 | 32 | 33 | 34 | 35 | 36 |

| 18 South | | | 29 East | | |
|----------|----|----|---------|----|----|
| 6 | 5 | 4 | 3 | 2 | 1 |
| 7 | 8 | 9 | 10 95 | 11 | 12 |
| 18 | 17 | 16 | 15 | 14 | 13 |
| 19 | 20 | 21 | 22 | 23 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

| 18 South | | | 30 East | | |
|----------|----|----|---------|-------|----|
| 6 | 5 | 4 | 3 | 2 | 1 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 18 | 17 | 16 | 15 | 14 | 13 |
| 19 | 20 | 21 | 22 | 23 44 | 24 |
| 30 | 29 | 28 | 27 | 26 | 25 |
| 31 | 32 | 33 | 34 | 35 | 36 |

- 88** New Mexico State Engineers Well Reports
- 105** USGS Well Reports
- 90** Geology and Groundwater Conditions in Southern Lea, County, NM (Report 6)
- Geology and Groundwater Resources of Eddy County, NM (Report 3)
- 34** NMOCD - Groundwater Data
- 123** Tetra Tech installed temporary wells and field water level
- 143** NMOCD Groundwater map well location



USGS Water Resources
Data Category:
Groundwater **Geographic Area:**
New Mexico

Click to hideNews Bulletins

- [Introducing The Next Generation of USGS Water Data for the Nation](#)
- [Full News RSS icon](#)

Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

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site_no list =














- 324935104040401

Minimum number of levels = 1
[Save file of selected sites](#) to local disk for future upload

USGS 324935104040401 17S.29E.22.112311

Eddy County, New Mexico
Latitude 32°49'35", Longitude 104°04'04" NAD27
Land-surface elevation 3,541 feet above NAVD88
This well is completed in the San Andres Limestone (313SADR) local aquifer.

Output formats

| Table of data | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tab-separated data | | | | | | | | | | | | |
| Graph of data | | | | | | | | | | | | |
| Reselect period | | | | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1948-11-29 | | D | | 79.70 | | 2 | | U | | U | | A |

| | | |
|--------------------------------|--------------------------------|---|
| <input type="text" value="⬅"/> | <input type="text" value="⬅"/> | <input type="text" value="⬅"/> |
| Water-level accuracy | 2 | Water level accuracy to nearest hundredth of a foot |
| Method of measurement | U | Unknown method. |
| Source of measurement | U | Source is unknown. |

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.)

(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)

| OD Number | Code | OD Sub-basin | County | 4 | 1 | 4 | Sec | Tws | Rng | DepthWell | DepthWater | Water Column |
|-------------------------------|------|--------------|--------|---|---|---|-----|-----|-----|-------------------------------------|------------|--------------|
| RA 11807 POD1 | | RA | ED | 1 | 2 | 3 | 22 | 17S | 29E | 5873 0 3 31585 <input type="text"/> | 131 | 7 55 |

Average Depth to Water: 7 feet

Minimum Depth: 7 feet

Maximum Depth: 7 feet

Record Count: 1

LSS Search:

Township: 17S Range: 29E

COG RJU Unit #108

- Legend**
- High
 - Low
 - Medium

82

Levington Hwy

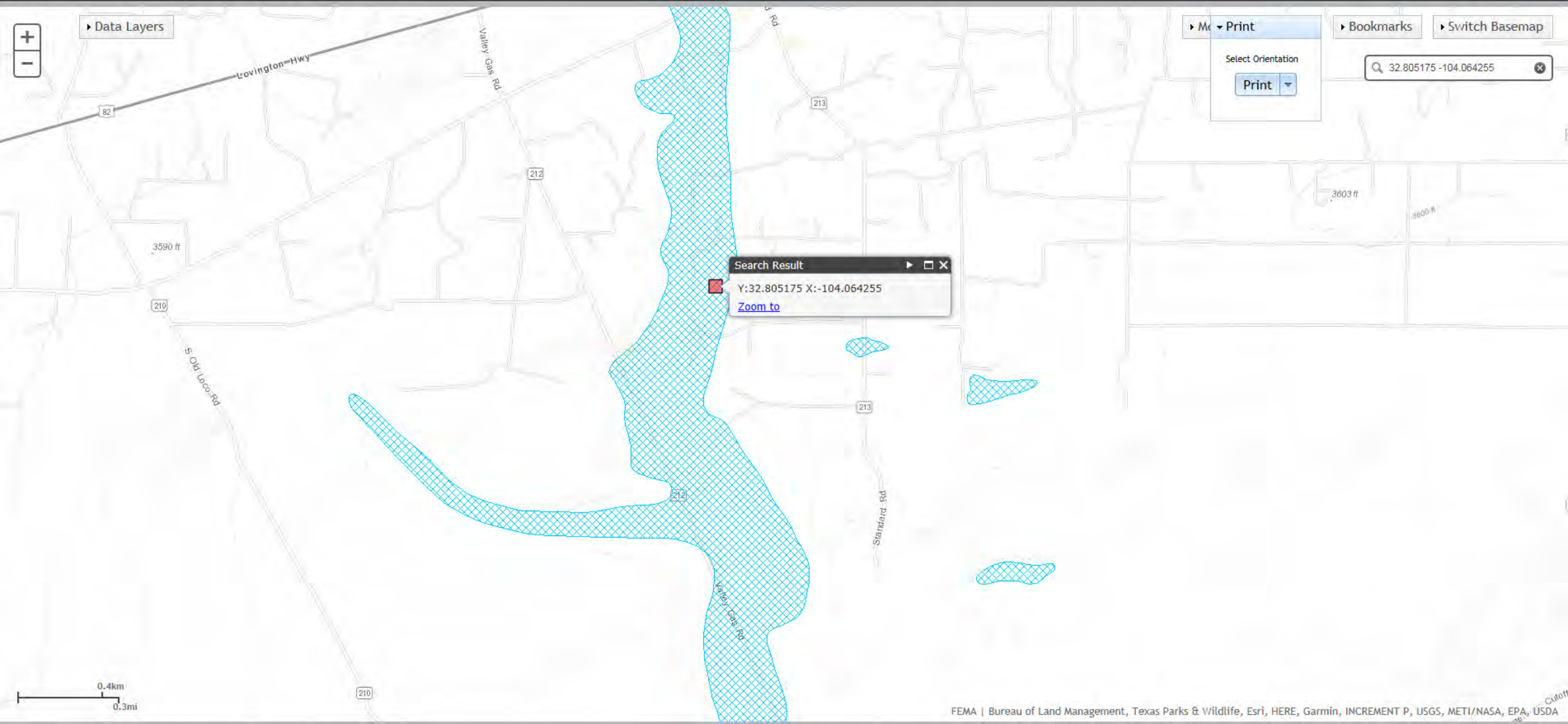
32.805175 -104.064255



© 2018 Google

1 mi





Appendix C

| | |
|-----------------------|--------------------------------|
| Project Name : | <u>COG RJU Unit #108</u> |
| Project No. : | <u>212C-MD-01821</u> |
| Location : | <u>Eddy County, New Mexico</u> |
| Coordinates : | <u>32.805717-104.063998</u> |
| Elevation : | <u>NA</u> |

| Depth (ft.) | WL | Soil Description | Chloride Field Test (ppm) | Field Titration Test (ppm) |
|-------------|----|------------------|---------------------------------|----------------------------------|
|-------------|----|------------------|---------------------------------|----------------------------------|

| | |
|-----------------------|--------------------------------|
| Project Name : | <u>COG RJU Unit #108</u> |
| Project No. : | <u>212C-MD-01821</u> |
| Location : | <u>Eddy County, New Mexico</u> |
| Coordinates : | <u>32.807680 -104.0664151</u> |
| Elevation : | <u>NA</u> |

| Depth (ft.) | WL | Soil Description | Chloride Field Test (ppm) | Field Titration Test (ppm) |
|-------------|----|------------------|---------------------------|----------------------------|
|-------------|----|------------------|---------------------------|----------------------------|

| | |
|-----------------------|--------------------------------|
| Project Name : | <u>COG RJU Unit #108</u> |
| Project No. : | <u>212C-MD-01821</u> |
| Location : | <u>Eddy County, New Mexico</u> |
| Coordinates : | <u>32.807518 -104.063798</u> |
| Elevation : | <u>NA</u> |

| Depth (ft.) | WL | Soil Description | Chloride Field Test (ppm) | Field Titration Test (ppm) |
|-------------|----|------------------|---------------------------------|----------------------------------|
|-------------|----|------------------|---------------------------------|----------------------------------|

| | |
|-----------------------|-------------------------|
| Project Name : | COG RJU Unit #108 |
| Project No. : | 212C-MD-01821 |
| Location : | Eddy County, New Mexico |
| Coordinates : | 32.805113 -104.064490 |
| Elevation : | NA |

| Depth (ft.) | WL | Soil Description | Chloride Field Test (ppm) | Field Titration Test (ppm) |
|-------------|----|------------------|---------------------------|----------------------------|
|-------------|----|------------------|---------------------------|----------------------------|

| | |
|-----------------------|-------------------------|
| Project Name : | COG RJU Unit #108 |
| Project No. : | 212C-MD-01821 |
| Location : | Eddy County, New Mexico |
| Coordinates : | 32.806234 -104.064098 |
| Elevation : | NA |

| Depth (ft.) | WL | Soil Description | Chloride Field Test (ppm) | Field Titration Test (ppm) |
|-------------|----|------------------|---------------------------------|----------------------------------|
|-------------|----|------------------|---------------------------------|----------------------------------|

| | |
|-----------------------|--------------------------------|
| Project Name : | <u>COG RJU Unit #108</u> |
| Project No. : | <u>212C-MD-01821</u> |
| Location : | <u>Eddy County, New Mexico</u> |
| Coordinates : | <u>32.808745 -104.064615</u> |
| Elevation : | <u>NA</u> |

| Depth (ft.) | WL | Soil Description | Chloride Field Test (ppm) | Field Titration Test (ppm) |
|-------------|----|------------------|---------------------------------|----------------------------------|
|-------------|----|------------------|---------------------------------|----------------------------------|

| Depth (ft.) | WL | Soil Description | Chloride Field Test (ppm) | Field Titration Test (ppm) |
|-------------|----|------------------|---------------------------|----------------------------|
|-------------|----|------------------|---------------------------|----------------------------|

| | | | |
|----|---|-----|-----|
| 0 | Red loose sand (Dry) | | |
| 5 | Fine loose red clay with red sand (Dense) (Slightly damp) | | |
| 10 | Moderately damp red clay nodules (Dense) | 725 | |
| | Grey Sand with clay (Dense) (Dry) | | |
| 15 | Grey gravel with Cobble With clay and sand (Dry)(Loose) | 315 | |
| 20 | Fine grey sand with gravel (Loose)(Dry) | 306 | 240 |
| | Total Depth: 20' | | |
| 25 | | | |
| 30 | | | |
| 35 | | | |
| 40 | | | |
| 45 | | | |
| 50 | | | |

[illegible]

* H.O. = Heavy Odor
* H.S. = Heavy Staining

| | |
|-----------------------|-------------------------|
| Project Name : | COG RJU Unit #108 |
| Project No. : | 212C-MD-01821 |
| Location : | Eddy County, New Mexico |
| Coordinates : | 32.807838 -104.063779 |
| Elevation : | NA |

| Depth (ft.) | WL | Soil Description | Chloride Field Test (ppm) | Field Titration Test (ppm) |
|-------------|----|------------------|---------------------------|----------------------------|
|-------------|----|------------------|---------------------------|----------------------------|

| | |
|-----------------------|-------------------------|
| Project Name : | COG RJU Unit #108 |
| Project No. : | 212C-MD-01821 |
| Location : | Eddy County, New Mexico |
| Coordinates : | 32.808947 -104.064519 |
| Elevation : | NA |

| Depth (ft.) | WL | Soil Description | Chloride Field Test (ppm) | Field Titration Test (ppm) |
|-------------|----|------------------|---------------------------------|----------------------------------|
|-------------|----|------------------|---------------------------------|----------------------------------|

Appendix D

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia**Client Sample ID:** BH-1 0-1'**Project:** RJ Unit 108**Collection Date:** 5/9/2019 9:00:00 AM**Lab ID:** 1905679-001**Matrix:** SOIL**Received Date:** 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 12000 | 60 | E | mg/Kg | 20 | 5/16/2019 11:31:12 AM | 44963 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | ND | 9.5 | | mg/Kg | 1 | 5/16/2019 9:08:50 PM | 44940 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 5/16/2019 9:08:50 PM | 44940 |
| Surr: DNOP | 126 | 70-130 | | %Rec | 1 | 5/16/2019 9:08:50 PM | 44940 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 5/17/2019 10:16:56 AM | 44917 |
| Surr: BFB | 82.1 | 73.8-119 | | %Rec | 1 | 5/17/2019 10:16:56 AM | 44917 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 5/17/2019 10:16:56 AM | 44917 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 5/17/2019 10:16:56 AM | 44917 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 5/17/2019 10:16:56 AM | 44917 |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 5/17/2019 10:16:56 AM | 44917 |
| Surr: 4-Bromofluorobenzene | 97.8 | 80-120 | | %Rec | 1 | 5/17/2019 10:16:56 AM | 44917 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia**Client Sample ID:** BH-1 2'**Project:** RJ Unit 108**Collection Date:** 5/9/2019 9:05:00 AM**Lab ID:** 1905679-002**Matrix:** SOIL**Received Date:** 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 260 | 60 | | mg/Kg | 20 | 5/16/2019 12:08:25 PM | 44963 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | ND | 9.6 | | mg/Kg | 1 | 5/16/2019 9:33:22 PM | 44940 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 5/16/2019 9:33:22 PM | 44940 |
| Surr: DNOP | 151 | 70-130 | S | %Rec | 1 | 5/16/2019 9:33:22 PM | 44940 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 5/17/2019 11:27:22 AM | 44917 |
| Surr: BFB | 76.2 | 73.8-119 | | %Rec | 1 | 5/17/2019 11:27:22 AM | 44917 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 5/17/2019 11:27:22 AM | 44917 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 5/17/2019 11:27:22 AM | 44917 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 5/17/2019 11:27:22 AM | 44917 |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 5/17/2019 11:27:22 AM | 44917 |
| Surr: 4-Bromofluorobenzene | 91.4 | 80-120 | | %Rec | 1 | 5/17/2019 11:27:22 AM | 44917 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia**Client Sample ID:** BH-2 0-1'**Project:** RJ Unit 108**Collection Date:** 5/9/2019 9:50:00 AM**Lab ID:** 1905679-008**Matrix:** SOIL**Received Date:** 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 1900 | 60 | | mg/Kg | 20 | 5/16/2019 12:45:39 PM | 44963 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | ND | 9.7 | | mg/Kg | 1 | 5/16/2019 9:57:55 PM | 44940 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 5/16/2019 9:57:55 PM | 44940 |
| Surr: DNOP | 159 | 70-130 | S | %Rec | 1 | 5/16/2019 9:57:55 PM | 44940 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 5/17/2019 11:50:44 AM | 44917 |
| Surr: BFB | 78.4 | 73.8-119 | | %Rec | 1 | 5/17/2019 11:50:44 AM | 44917 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/17/2019 11:50:44 AM | 44917 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 5/17/2019 11:50:44 AM | 44917 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 5/17/2019 11:50:44 AM | 44917 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 5/17/2019 11:50:44 AM | 44917 |
| Surr: 4-Bromofluorobenzene | 93.4 | 80-120 | | %Rec | 1 | 5/17/2019 11:50:44 AM | 44917 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia**Client Sample ID:** BH-2 2'**Project:** RJ Unit 108**Collection Date:** 5/9/2019 10:00:00 AM**Lab ID:** 1905679-009**Matrix:** SOIL**Received Date:** 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 160 | 60 | | mg/Kg | 20 | 5/16/2019 12:58:03 PM | 44963 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | ND | 10 | | mg/Kg | 1 | 5/16/2019 10:22:36 PM | 44940 |
| Motor Oil Range Organics (MRO) | ND | 50 | | mg/Kg | 1 | 5/16/2019 10:22:36 PM | 44940 |
| Surr: DNOP | 131 | 70-130 | S | %Rec | 1 | 5/16/2019 10:22:36 PM | 44940 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 5/17/2019 12:14:15 PM | 44917 |
| Surr: BFB | 78.9 | 73.8-119 | | %Rec | 1 | 5/17/2019 12:14:15 PM | 44917 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/17/2019 12:14:15 PM | 44917 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 5/17/2019 12:14:15 PM | 44917 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 5/17/2019 12:14:15 PM | 44917 |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 5/17/2019 12:14:15 PM | 44917 |
| Surr: 4-Bromofluorobenzene | 94.4 | 80-120 | | %Rec | 1 | 5/17/2019 12:14:15 PM | 44917 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia**Client Sample ID:** BH-3 0-1'**Project:** RJ Unit 108**Collection Date:** 5/9/2019 11:00:00 AM**Lab ID:** 1905679-015**Matrix:** SOIL**Received Date:** 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 7400 | 60 | E | mg/Kg | 20 | 5/16/2019 1:35:17 PM | 44963 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | ND | 9.6 | | mg/Kg | 1 | 5/16/2019 10:47:07 PM | 44940 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 5/16/2019 10:47:07 PM | 44940 |
| Surr: DNOP | 166 | 70-130 | S | %Rec | 1 | 5/16/2019 10:47:07 PM | 44940 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 5/17/2019 12:37:46 PM | 44917 |
| Surr: BFB | 79.8 | 73.8-119 | | %Rec | 1 | 5/17/2019 12:37:46 PM | 44917 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/17/2019 12:37:46 PM | 44917 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 5/17/2019 12:37:46 PM | 44917 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 5/17/2019 12:37:46 PM | 44917 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 5/17/2019 12:37:46 PM | 44917 |
| Surr: 4-Bromofluorobenzene | 95.3 | 80-120 | | %Rec | 1 | 5/17/2019 12:37:46 PM | 44917 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia**Client Sample ID:** BH-3 2'**Project:** RJ Unit 108**Collection Date:** 5/9/2019 11:10:00 AM**Lab ID:** 1905679-016**Matrix:** SOIL**Received Date:** 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 920 | 60 | | mg/Kg | 20 | 5/16/2019 1:47:41 PM | 44963 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | ND | 9.7 | | mg/Kg | 1 | 5/16/2019 11:11:43 PM | 44940 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 5/16/2019 11:11:43 PM | 44940 |
| Surr: DNOP | 131 | 70-130 | S | %Rec | 1 | 5/16/2019 11:11:43 PM | 44940 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 5/17/2019 1:01:10 PM | 44917 |
| Surr: BFB | 80.1 | 73.8-119 | | %Rec | 1 | 5/17/2019 1:01:10 PM | 44917 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/17/2019 1:01:10 PM | 44917 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 5/17/2019 1:01:10 PM | 44917 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 5/17/2019 1:01:10 PM | 44917 |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 5/17/2019 1:01:10 PM | 44917 |
| Surr: 4-Bromofluorobenzene | 96.0 | 80-120 | | %Rec | 1 | 5/17/2019 1:01:10 PM | 44917 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-3 3'

Project: RJ Unit 108

Collection Date: 5/9/2019 11:20:00 AM

Lab ID: 1905679-017

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 650 | 60 | | mg/Kg | 20 | 5/15/2019 1:02:28 AM | 44918 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-3 4'

Project: RJ Unit 108

Collection Date: 5/9/2019 11:30:00 AM

Lab ID: 1905679-018

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 1800 | 60 | | mg/Kg | 20 | 5/16/2019 7:35:58 PM | 44983 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-3 6'

Project: RJ Unit 108

Collection Date: 5/9/2019 11:40:00 AM

Lab ID: 1905679-019

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 160 | 59 | | mg/Kg | 20 | 5/17/2019 7:18:45 PM | 45015 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-3 8'

Project: RJ Unit 108

Collection Date: 5/9/2019 11:50:00 AM

Lab ID: 1905679-020

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 170 | 60 | | mg/Kg | 20 | 5/17/2019 8:20:48 PM | 45015 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-3 10'

Project: RJ Unit 108

Collection Date: 5/9/2019 12:00:00 PM

Lab ID: 1905679-021

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 130 | 60 | | mg/Kg | 20 | 5/17/2019 8:33:13 PM | 45015 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-4 0-1'

Project: RJ Unit 108

Collection Date: 5/9/2019 12:10:00 PM

Lab ID: 1905679-022

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 1400 | 60 | | mg/Kg | 20 | 5/16/2019 2:00:06 PM | 44963 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | ND | 9.9 | | mg/Kg | 1 | 5/16/2019 11:36:21 PM | 44940 |
| Motor Oil Range Organics (MRO) | ND | 50 | | mg/Kg | 1 | 5/16/2019 11:36:21 PM | 44940 |
| Surr: DNOP | 135 | 70-130 | S | %Rec | 1 | 5/16/2019 11:36:21 PM | 44940 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 5/16/2019 4:43:39 PM | 44917 |
| Surr: BFB | 89.2 | 73.8-119 | | %Rec | 1 | 5/16/2019 4:43:39 PM | 44917 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/16/2019 4:43:39 PM | 44917 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 5/16/2019 4:43:39 PM | 44917 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 5/16/2019 4:43:39 PM | 44917 |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 5/16/2019 4:43:39 PM | 44917 |
| Surr: 4-Bromofluorobenzene | 87.8 | 80-120 | | %Rec | 1 | 5/16/2019 4:43:39 PM | 44917 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia**Client Sample ID:** BH-4 2'**Project:** RJ Unit 108**Collection Date:** 5/9/2019 12:20:00 PM**Lab ID:** 1905679-023**Matrix:** SOIL**Received Date:** 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 170 | 60 | | mg/Kg | 20 | 5/16/2019 2:37:20 PM | 44963 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | ND | 9.5 | | mg/Kg | 1 | 5/17/2019 12:01:06 AM | 44940 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 5/17/2019 12:01:06 AM | 44940 |
| Surr: DNOP | 99.5 | 70-130 | | %Rec | 1 | 5/17/2019 12:01:06 AM | 44940 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 5/16/2019 5:06:21 PM | 44917 |
| Surr: BFB | 88.1 | 73.8-119 | | %Rec | 1 | 5/16/2019 5:06:21 PM | 44917 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/16/2019 5:06:21 PM | 44917 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 5/16/2019 5:06:21 PM | 44917 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 5/16/2019 5:06:21 PM | 44917 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 5/16/2019 5:06:21 PM | 44917 |
| Surr: 4-Bromofluorobenzene | 84.8 | 80-120 | | %Rec | 1 | 5/16/2019 5:06:21 PM | 44917 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-5 0-1'

Project: RJ Unit 108

Collection Date: 5/9/2019 1:30:00 PM

Lab ID: 1905679-029

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 26000 | 60 | E | mg/Kg | 20 | 5/16/2019 2:49:45 PM | 44963 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | ND | 9.9 | | mg/Kg | 1 | 5/17/2019 12:25:36 AM | 44940 |
| Motor Oil Range Organics (MRO) | ND | 50 | | mg/Kg | 1 | 5/17/2019 12:25:36 AM | 44940 |
| Surr: DNOP | 103 | 70-130 | | %Rec | 1 | 5/17/2019 12:25:36 AM | 44940 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 5/16/2019 5:28:58 PM | 44917 |
| Surr: BFB | 83.6 | 73.8-119 | | %Rec | 1 | 5/16/2019 5:28:58 PM | 44917 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/16/2019 5:28:58 PM | 44917 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 5/16/2019 5:28:58 PM | 44917 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 5/16/2019 5:28:58 PM | 44917 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 5/16/2019 5:28:58 PM | 44917 |
| Surr: 4-Bromofluorobenzene | 80.0 | 80-120 | S | %Rec | 1 | 5/16/2019 5:28:58 PM | 44917 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-5 2'

Project: RJ Unit 108

Collection Date: 5/9/2019 1:40:00 PM

Lab ID: 1905679-030

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 9700 | 60 | E | mg/Kg | 20 | 5/16/2019 3:02:10 PM | 44963 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | ND | 9.9 | | mg/Kg | 1 | 5/17/2019 1:14:35 AM | 44940 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 5/17/2019 1:14:35 AM | 44940 |
| Surr: DNOP | 103 | 70-130 | | %Rec | 1 | 5/17/2019 1:14:35 AM | 44940 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 5/16/2019 5:51:39 PM | 44917 |
| Surr: BFB | 88.1 | 73.8-119 | | %Rec | 1 | 5/16/2019 5:51:39 PM | 44917 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 5/16/2019 5:51:39 PM | 44917 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 5/16/2019 5:51:39 PM | 44917 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 5/16/2019 5:51:39 PM | 44917 |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 5/16/2019 5:51:39 PM | 44917 |
| Surr: 4-Bromofluorobenzene | 87.4 | 80-120 | | %Rec | 1 | 5/16/2019 5:51:39 PM | 44917 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-5 3'

Project: RJ Unit 108

Collection Date: 5/9/2019 1:50:00 PM

Lab ID: 1905679-031

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 4200 | 60 | E | mg/Kg | 20 | 5/15/2019 1:27:17 AM | 44918 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-5 4'

Project: RJ Unit 108

Collection Date: 5/9/2019 2:00:00 PM

Lab ID: 1905679-032

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 3200 | 60 | E | mg/Kg | 20 | 5/17/2019 10:24:46 AM | 44991 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-5 6'

Project: RJ Unit 108

Collection Date: 5/9/2019 2:10:00 PM

Lab ID: 1905679-033

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | ND | 60 | | mg/Kg | 20 | 5/16/2019 8:13:12 PM | 44983 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia**Client Sample ID:** BH-6 0-1'**Project:** RJ Unit 108**Collection Date:** 5/9/2019 2:40:00 PM**Lab ID:** 1905679-036**Matrix:** SOIL**Received Date:** 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 40000 | 60 | E | mg/Kg | 20 | 5/16/2019 3:14:35 PM | 44963 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | ND | 9.8 | | mg/Kg | 1 | 5/17/2019 1:39:16 AM | 44940 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 5/17/2019 1:39:16 AM | 44940 |
| Surr: DNOP | 101 | 70-130 | | %Rec | 1 | 5/17/2019 1:39:16 AM | 44940 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 5/16/2019 6:14:21 PM | 44917 |
| Surr: BFB | 89.9 | 73.8-119 | | %Rec | 1 | 5/16/2019 6:14:21 PM | 44917 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/16/2019 6:14:21 PM | 44917 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 5/16/2019 6:14:21 PM | 44917 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 5/16/2019 6:14:21 PM | 44917 |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 5/16/2019 6:14:21 PM | 44917 |
| Surr: 4-Bromofluorobenzene | 89.3 | 80-120 | | %Rec | 1 | 5/16/2019 6:14:21 PM | 44917 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-6 2'

Project: RJ Unit 108

Collection Date: 5/9/2019 2:50:00 PM

Lab ID: 1905679-037

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 7700 | 60 | E | mg/Kg | 20 | 5/16/2019 3:26:59 PM | 44963 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: JME |
| Diesel Range Organics (DRO) | ND | 9.7 | | mg/Kg | 1 | 5/16/2019 4:46:56 PM | 44941 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 5/16/2019 4:46:56 PM | 44941 |
| Surr: DNOP | 99.5 | 70-130 | | %Rec | 1 | 5/16/2019 4:46:56 PM | 44941 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 5/16/2019 2:55:02 AM | 44917 |
| Surr: BFB | 86.8 | 73.8-119 | | %Rec | 1 | 5/16/2019 2:55:02 AM | 44917 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/16/2019 2:55:02 AM | 44917 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 5/16/2019 2:55:02 AM | 44917 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 5/16/2019 2:55:02 AM | 44917 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 5/16/2019 2:55:02 AM | 44917 |
| Surr: 4-Bromofluorobenzene | 87.3 | 80-120 | | %Rec | 1 | 5/16/2019 2:55:02 AM | 44917 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-6 3'

Project: RJ Unit 108

Collection Date: 5/9/2019 3:00:00 PM

Lab ID: 1905679-038

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 3000 | 60 | E | mg/Kg | 20 | 5/15/2019 1:39:42 AM | 44918 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-6 4'

Project: RJ Unit 108

Collection Date: 5/9/2019 3:10:00 PM

Lab ID: 1905679-039

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 12000 | 60 | E | mg/Kg | 20 | 5/17/2019 11:14:24 AM | 44991 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-6 6'

Project: RJ Unit 108

Collection Date: 5/9/2019 3:20:00 PM

Lab ID: 1905679-040

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 2100 | 59 | | mg/Kg | 20 | 5/16/2019 8:25:37 PM | 44983 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-6 8'

Project: RJ Unit 108

Collection Date: 5/9/2019 3:30:00 PM

Lab ID: 1905679-041

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 7500 | 59 | E | mg/Kg | 20 | 5/17/2019 8:45:38 PM | 45015 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-6 10'

Project: RJ Unit 108

Collection Date: 5/9/2019 3:40:00 PM

Lab ID: 1905679-042

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 110 | 60 | | mg/Kg | 20 | 5/17/2019 8:58:02 PM | 45015 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-7 0-1'

Project: RJ Unit 108

Collection Date: 5/9/2019 3:50:00 PM

Lab ID: 1905679-043

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 23000 | 60 | E | mg/Kg | 20 | 5/16/2019 3:39:24 PM | 44963 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | ND | 9.9 | | mg/Kg | 1 | 5/17/2019 12:15:41 PM | 44950 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 5/17/2019 12:15:41 PM | 44950 |
| Surr: DNOP | 95.8 | 70-130 | | %Rec | 1 | 5/17/2019 12:15:41 PM | 44950 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 5/16/2019 3:17:53 AM | 44917 |
| Surr: BFB | 84.8 | 73.8-119 | | %Rec | 1 | 5/16/2019 3:17:53 AM | 44917 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/16/2019 3:17:53 AM | 44917 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 5/16/2019 3:17:53 AM | 44917 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 5/16/2019 3:17:53 AM | 44917 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 5/16/2019 3:17:53 AM | 44917 |
| Surr: 4-Bromofluorobenzene | 84.3 | 80-120 | | %Rec | 1 | 5/16/2019 3:17:53 AM | 44917 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-7 2'

Project: RJ Unit 108

Collection Date: 5/9/2019 4:00:00 PM

Lab ID: 1905679-044

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 18000 | 60 | E | mg/Kg | 20 | 5/15/2019 1:52:07 AM | 44918 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-7 3'

Project: RJ Unit 108

Collection Date: 5/9/2019 4:10:00 PM

Lab ID: 1905679-045

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 11000 | 60 | E | mg/Kg | 20 | 5/15/2019 2:04:32 AM | 44918 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-7 4'

Project: RJ Unit 108

Collection Date: 5/9/2019 4:15:00 PM

Lab ID: 1905679-046

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 7000 | 60 | E | mg/Kg | 20 | 5/17/2019 11:26:48 AM | 44991 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-7 6'

Project: RJ Unit 108

Collection Date: 5/9/2019 4:20:00 PM

Lab ID: 1905679-047

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 280 | 60 | | mg/Kg | 20 | 5/16/2019 8:38:02 PM | 44983 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia**Client Sample ID:** BH-8 0-1'**Project:** RJ Unit 108**Collection Date:** 5/9/2019 4:35:00 PM**Lab ID:** 1905679-050**Matrix:** SOIL**Received Date:** 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 22000 | 60 | E | mg/Kg | 20 | 5/16/2019 12:09:12 PM | 44964 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: JME |
| Diesel Range Organics (DRO) | ND | 9.8 | | mg/Kg | 1 | 5/16/2019 5:59:49 PM | 44941 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 5/16/2019 5:59:49 PM | 44941 |
| Surr: DNOP | 96.2 | 70-130 | | %Rec | 1 | 5/16/2019 5:59:49 PM | 44941 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 5/15/2019 9:53:07 AM | 44922 |
| Surr: BFB | 88.2 | 73.8-119 | | %Rec | 1 | 5/15/2019 9:53:07 AM | 44922 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 5/15/2019 9:53:07 AM | 44922 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 5/15/2019 9:53:07 AM | 44922 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 5/15/2019 9:53:07 AM | 44922 |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 5/15/2019 9:53:07 AM | 44922 |
| Surr: 4-Bromofluorobenzene | 92.5 | 80-120 | | %Rec | 1 | 5/15/2019 9:53:07 AM | 44922 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-8 2'

Project: RJ Unit 108

Collection Date: 5/9/2019 4:40:00 PM

Lab ID: 1905679-051

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 16000 | 60 | E | mg/Kg | 20 | 5/16/2019 12:21:37 PM | 44964 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: JME |
| Diesel Range Organics (DRO) | ND | 9.7 | | mg/Kg | 1 | 5/16/2019 6:24:17 PM | 44941 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 5/16/2019 6:24:17 PM | 44941 |
| Surr: DNOP | 98.7 | 70-130 | | %Rec | 1 | 5/16/2019 6:24:17 PM | 44941 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 5/15/2019 11:01:35 AM | 44922 |
| Surr: BFB | 86.9 | 73.8-119 | | %Rec | 1 | 5/15/2019 11:01:35 AM | 44922 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/15/2019 11:01:35 AM | 44922 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 5/15/2019 11:01:35 AM | 44922 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 5/15/2019 11:01:35 AM | 44922 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 5/15/2019 11:01:35 AM | 44922 |
| Surr: 4-Bromofluorobenzene | 88.2 | 80-120 | | %Rec | 1 | 5/15/2019 11:01:35 AM | 44922 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-8 3'

Project: RJ Unit 108

Collection Date: 5/9/2019 4:45:00 PM

Lab ID: 1905679-052

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 5300 | 60 | E | mg/Kg | 20 | 5/15/2019 2:16:57 AM | 44918 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-8 4'

Project: RJ Unit 108

Collection Date: 5/9/2019 4:50:00 PM

Lab ID: 1905679-053

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 33000 | 60 | E | mg/Kg | 20 | 5/17/2019 11:39:13 AM | 44991 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-8 6'

Project: RJ Unit 108

Collection Date: 5/9/2019 4:55:00 PM

Lab ID: 1905679-054

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | ND | 60 | | mg/Kg | 20 | 5/16/2019 8:50:27 PM | 44983 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-9 0-1'

Project: RJ Unit 108

Collection Date: 5/9/2019 5:10:00 PM

Lab ID: 1905679-057

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 33000 | 60 | E | mg/Kg | 20 | 5/16/2019 12:34:01 PM | 44964 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: JME |
| Diesel Range Organics (DRO) | ND | 9.4 | | mg/Kg | 1 | 5/16/2019 6:48:53 PM | 44941 |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 5/16/2019 6:48:53 PM | 44941 |
| Surr: DNOP | 102 | 70-130 | | %Rec | 1 | 5/16/2019 6:48:53 PM | 44941 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 5/15/2019 12:09:51 PM | 44922 |
| Surr: BFB | 86.2 | 73.8-119 | | %Rec | 1 | 5/15/2019 12:09:51 PM | 44922 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/15/2019 12:09:51 PM | 44922 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 5/15/2019 12:09:51 PM | 44922 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 5/15/2019 12:09:51 PM | 44922 |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 5/15/2019 12:09:51 PM | 44922 |
| Surr: 4-Bromofluorobenzene | 86.5 | 80-120 | | %Rec | 1 | 5/15/2019 12:09:51 PM | 44922 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-9 2'

Project: RJ Unit 108

Collection Date: 5/9/2019 5:15:00 PM

Lab ID: 1905679-058

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 8800 | 60 | E | mg/Kg | 20 | 5/16/2019 12:46:25 PM | 44964 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: JME |
| Diesel Range Organics (DRO) | ND | 9.1 | | mg/Kg | 1 | 5/16/2019 7:38:19 PM | 44941 |
| Motor Oil Range Organics (MRO) | ND | 46 | | mg/Kg | 1 | 5/16/2019 7:38:19 PM | 44941 |
| Surr: DNOP | 96.7 | 70-130 | | %Rec | 1 | 5/16/2019 7:38:19 PM | 44941 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 5/15/2019 12:32:39 PM | 44922 |
| Surr: BFB | 87.5 | 73.8-119 | | %Rec | 1 | 5/15/2019 12:32:39 PM | 44922 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/15/2019 12:32:39 PM | 44922 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 5/15/2019 12:32:39 PM | 44922 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 5/15/2019 12:32:39 PM | 44922 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 5/15/2019 12:32:39 PM | 44922 |
| Surr: 4-Bromofluorobenzene | 88.1 | 80-120 | | %Rec | 1 | 5/15/2019 12:32:39 PM | 44922 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-9 3'

Project: RJ Unit 108

Collection Date: 5/9/2019 5:20:00 PM

Lab ID: 1905679-059

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 4900 | 60 | E | mg/Kg | 20 | 5/15/2019 2:54:11 AM | 44918 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-9 4'

Project: RJ Unit 108

Collection Date: 5/9/2019 5:25:00 PM

Lab ID: 1905679-060

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 13000 | 60 | E | mg/Kg | 20 | 5/17/2019 12:16:27 PM | 44991 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-9 6'

Project: RJ Unit 108

Collection Date: 5/9/2019 5:30:00 PM

Lab ID: 1905679-061

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 180 | 60 | | mg/Kg | 20 | 5/16/2019 9:02:51 PM | 44983 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-10 0-1'

Project: RJ Unit 108

Collection Date: 5/9/2019 5:45:00 PM

Lab ID: 1905679-064

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 14000 | 59 | E | mg/Kg | 20 | 5/16/2019 12:58:50 PM | 44964 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: JME |
| Diesel Range Organics (DRO) | ND | 9.7 | | mg/Kg | 1 | 5/16/2019 8:03:06 PM | 44941 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 5/16/2019 8:03:06 PM | 44941 |
| Surr: DNOP | 107 | 70-130 | | %Rec | 1 | 5/16/2019 8:03:06 PM | 44941 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 5/15/2019 12:55:23 PM | 44922 |
| Surr: BFB | 88.1 | 73.8-119 | | %Rec | 1 | 5/15/2019 12:55:23 PM | 44922 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/15/2019 12:55:23 PM | 44922 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 5/15/2019 12:55:23 PM | 44922 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 5/15/2019 12:55:23 PM | 44922 |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 5/15/2019 12:55:23 PM | 44922 |
| Surr: 4-Bromofluorobenzene | 89.0 | 80-120 | | %Rec | 1 | 5/15/2019 12:55:23 PM | 44922 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia**Client Sample ID:** BH-10 2'**Project:** RJ Unit 108**Collection Date:** 5/9/2019 5:50:00 PM**Lab ID:** 1905679-065**Matrix:** SOIL**Received Date:** 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 4600 | 60 | E | mg/Kg | 20 | 5/16/2019 1:11:14 PM | 44964 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: JME |
| Diesel Range Organics (DRO) | ND | 9.9 | | mg/Kg | 1 | 5/16/2019 8:27:52 PM | 44941 |
| Motor Oil Range Organics (MRO) | ND | 50 | | mg/Kg | 1 | 5/16/2019 8:27:52 PM | 44941 |
| Surr: DNOP | 126 | 70-130 | | %Rec | 1 | 5/16/2019 8:27:52 PM | 44941 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 5/15/2019 1:18:05 PM | 44922 |
| Surr: BFB | 86.7 | 73.8-119 | | %Rec | 1 | 5/15/2019 1:18:05 PM | 44922 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/15/2019 1:18:05 PM | 44922 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 5/15/2019 1:18:05 PM | 44922 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 5/15/2019 1:18:05 PM | 44922 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 5/15/2019 1:18:05 PM | 44922 |
| Surr: 4-Bromofluorobenzene | 87.5 | 80-120 | | %Rec | 1 | 5/15/2019 1:18:05 PM | 44922 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-10 3'

Project: RJ Unit 108

Collection Date: 5/9/2019 5:55:00 PM

Lab ID: 1905679-066

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 6300 | 60 | E | mg/Kg | 20 | 5/15/2019 3:06:35 AM | 44918 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-10 4'

Project: RJ Unit 108

Collection Date: 5/9/2019 6:00:00 PM

Lab ID: 1905679-067

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 10000 | 60 | E | mg/Kg | 20 | 5/17/2019 12:28:51 PM | 44991 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-10 6'

Project: RJ Unit 108

Collection Date: 5/9/2019 6:05:00 PM

Lab ID: 1905679-068

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 230 | 60 | | mg/Kg | 20 | 5/16/2019 9:15:15 PM | 44983 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-11 0-1'

Project: RJ Unit 108

Collection Date: 5/9/2019 6:30:00 PM

Lab ID: 1905679-073

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 17000 | 60 | E | mg/Kg | 20 | 5/16/2019 1:23:39 PM | 44964 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: JME |
| Diesel Range Organics (DRO) | ND | 9.7 | | mg/Kg | 1 | 5/16/2019 9:17:21 PM | 44941 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 5/16/2019 9:17:21 PM | 44941 |
| Surr: DNOP | 110 | 70-130 | | %Rec | 1 | 5/16/2019 9:17:21 PM | 44941 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 5/15/2019 1:40:47 PM | 44922 |
| Surr: BFB | 86.8 | 73.8-119 | | %Rec | 1 | 5/15/2019 1:40:47 PM | 44922 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 5/15/2019 1:40:47 PM | 44922 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 5/15/2019 1:40:47 PM | 44922 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 5/15/2019 1:40:47 PM | 44922 |
| Xylenes, Total | ND | 0.097 | | mg/Kg | 1 | 5/15/2019 1:40:47 PM | 44922 |
| Surr: 4-Bromofluorobenzene | 87.0 | 80-120 | | %Rec | 1 | 5/15/2019 1:40:47 PM | 44922 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-11 2'

Project: RJ Unit 108

Collection Date: 5/9/2019 6:35:00 PM

Lab ID: 1905679-074

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 10000 | 60 | E | mg/Kg | 20 | 5/15/2019 3:19:00 AM | 44918 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-11 3'

Project: RJ Unit 108

Collection Date: 5/9/2019 6:40:00 PM

Lab ID: 1905679-075

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 12000 | 60 | E | mg/Kg | 20 | 5/15/2019 3:31:25 AM | 44918 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-11 4'

Project: RJ Unit 108

Collection Date: 5/9/2019 6:45:00 PM

Lab ID: 1905679-076

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 23000 | 60 | E | mg/Kg | 20 | 5/17/2019 12:41:16 PM | 44991 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-11 8'

Project: RJ Unit 108

Collection Date: 5/9/2019 6:55:00 PM

Lab ID: 1905679-078

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 20000 | 60 | E | mg/Kg | 20 | 5/17/2019 9:10:27 PM | 45015 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-11 10'

Project: RJ Unit 108

Collection Date: 5/9/2019 7:00:00 PM

Lab ID: 1905679-079

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | ND | 60 | | mg/Kg | 20 | 5/17/2019 9:22:51 PM | 45015 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-12 0-1'

Project: RJ Unit 108

Collection Date: 5/10/2019 8:10:00 AM

Lab ID: 1905679-080

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 27000 | 60 | E | mg/Kg | 20 | 5/16/2019 1:36:04 PM | 44964 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: JME |
| Diesel Range Organics (DRO) | ND | 9.4 | | mg/Kg | 1 | 5/16/2019 10:06:32 PM | 44941 |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 5/16/2019 10:06:32 PM | 44941 |
| Surr: DNOP | 109 | 70-130 | | %Rec | 1 | 5/16/2019 10:06:32 PM | 44941 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 5/15/2019 2:03:29 PM | 44922 |
| Surr: BFB | 87.7 | 73.8-119 | | %Rec | 1 | 5/15/2019 2:03:29 PM | 44922 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/15/2019 2:03:29 PM | 44922 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 5/15/2019 2:03:29 PM | 44922 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 5/15/2019 2:03:29 PM | 44922 |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 5/15/2019 2:03:29 PM | 44922 |
| Surr: 4-Bromofluorobenzene | 89.0 | 80-120 | | %Rec | 1 | 5/15/2019 2:03:29 PM | 44922 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia**Client Sample ID:** BH-12 2'**Project:** RJ Unit 108**Collection Date:** 5/10/2019 8:15:00 AM**Lab ID:** 1905679-081**Matrix:** SOIL**Received Date:** 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 9400 | 60 | E | mg/Kg | 20 | 5/16/2019 2:38:07 PM | 44964 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: JME |
| Diesel Range Organics (DRO) | ND | 10 | | mg/Kg | 1 | 5/16/2019 10:55:50 PM | 44941 |
| Motor Oil Range Organics (MRO) | ND | 50 | | mg/Kg | 1 | 5/16/2019 10:55:50 PM | 44941 |
| Surr: DNOP | 120 | 70-130 | | %Rec | 1 | 5/16/2019 10:55:50 PM | 44941 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 5/15/2019 2:26:11 PM | 44922 |
| Surr: BFB | 86.5 | 73.8-119 | | %Rec | 1 | 5/15/2019 2:26:11 PM | 44922 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 5/15/2019 2:26:11 PM | 44922 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 5/15/2019 2:26:11 PM | 44922 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 5/15/2019 2:26:11 PM | 44922 |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 5/15/2019 2:26:11 PM | 44922 |
| Surr: 4-Bromofluorobenzene | 87.2 | 80-120 | | %Rec | 1 | 5/15/2019 2:26:11 PM | 44922 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-12 3'

Project: RJ Unit 108

Collection Date: 5/10/2019 8:20:00 AM

Lab ID: 1905679-082

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 12000 | 60 | E | mg/Kg | 20 | 5/15/2019 3:43:50 AM | 44918 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-12 4'

Project: RJ Unit 108

Collection Date: 5/10/2019 8:25:00 AM

Lab ID: 1905679-083

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 14000 | 59 | E | mg/Kg | 20 | 5/17/2019 12:53:41 PM | 44991 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-12 6'

Project: RJ Unit 108

Collection Date: 5/10/2019 8:30:00 AM

Lab ID: 1905679-084

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 21000 | 60 | E | mg/Kg | 20 | 5/16/2019 10:04:52 PM | 44983 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-12 8'

Project: RJ Unit 108

Collection Date: 5/10/2019 8:35:00 AM

Lab ID: 1905679-085

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 13000 | 60 | E | mg/Kg | 20 | 5/17/2019 9:35:16 PM | 45015 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-12 10'

Project: RJ Unit 108

Collection Date: 5/10/2019 8:40:00 AM

Lab ID: 1905679-086

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 4800 | 60 | E | mg/Kg | 20 | 5/17/2019 9:47:40 PM | 45015 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia**Client Sample ID:** BH-13 0-1'**Project:** RJ Unit 108**Collection Date:** 5/10/2019 8:45:00 AM**Lab ID:** 1905679-087**Matrix:** SOIL**Received Date:** 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 22000 | 60 | E | mg/Kg | 20 | 5/16/2019 2:50:31 PM | 44964 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: JME |
| Diesel Range Organics (DRO) | ND | 9.3 | | mg/Kg | 1 | 5/17/2019 11:36:31 AM | 44941 |
| Motor Oil Range Organics (MRO) | ND | 46 | | mg/Kg | 1 | 5/17/2019 11:36:31 AM | 44941 |
| Surr: DNOP | 105 | 70-130 | | %Rec | 1 | 5/17/2019 11:36:31 AM | 44941 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 5/15/2019 3:34:25 PM | 44922 |
| Surr: BFB | 92.4 | 73.8-119 | | %Rec | 1 | 5/15/2019 3:34:25 PM | 44922 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/15/2019 3:34:25 PM | 44922 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 5/15/2019 3:34:25 PM | 44922 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 5/15/2019 3:34:25 PM | 44922 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 5/15/2019 3:34:25 PM | 44922 |
| Surr: 4-Bromofluorobenzene | 87.9 | 80-120 | | %Rec | 1 | 5/15/2019 3:34:25 PM | 44922 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia**Client Sample ID:** BH-13 2'**Project:** RJ Unit 108**Collection Date:** 5/10/2019 8:50:00 AM**Lab ID:** 1905679-088**Matrix:** SOIL**Received Date:** 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 11000 | 60 | E | mg/Kg | 20 | 5/16/2019 3:02:56 PM | 44964 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: JME |
| Diesel Range Organics (DRO) | 69 | 9.4 | | mg/Kg | 1 | 5/17/2019 12:25:10 PM | 44941 |
| Motor Oil Range Organics (MRO) | 470 | 47 | | mg/Kg | 1 | 5/17/2019 12:25:10 PM | 44941 |
| Surr: DNOP | 112 | 70-130 | | %Rec | 1 | 5/17/2019 12:25:10 PM | 44941 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 5/15/2019 3:57:11 PM | 44922 |
| Surr: BFB | 86.5 | 73.8-119 | | %Rec | 1 | 5/15/2019 3:57:11 PM | 44922 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 5/15/2019 3:57:11 PM | 44922 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 5/15/2019 3:57:11 PM | 44922 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 5/15/2019 3:57:11 PM | 44922 |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 5/15/2019 3:57:11 PM | 44922 |
| Surr: 4-Bromofluorobenzene | 86.2 | 80-120 | | %Rec | 1 | 5/15/2019 3:57:11 PM | 44922 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-13 3'

Project: RJ Unit 108

Collection Date: 5/10/2019 8:55:00 AM

Lab ID: 1905679-089

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 12000 | 60 | E | mg/Kg | 20 | 5/15/2019 3:56:15 AM | 44918 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-13 4'

Project: RJ Unit 108

Collection Date: 5/10/2019 9:00:00 AM

Lab ID: 1905679-090

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 3800 | 60 | E | mg/Kg | 20 | 5/17/2019 1:06:05 PM | 44991 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-13 6'

Project: RJ Unit 108

Collection Date: 5/10/2019 9:05:00 AM

Lab ID: 1905679-091

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | ND | 60 | | mg/Kg | 20 | 5/16/2019 10:17:17 PM | 44983 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia**Client Sample ID:** BH-14 0-1'**Project:** RJ Unit 108**Collection Date:** 5/10/2019 9:20:00 AM**Lab ID:** 1905679-094**Matrix:** SOIL**Received Date:** 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 17000 | 59 | E | mg/Kg | 20 | 5/17/2019 1:18:30 PM | 44991 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: JME |
| Diesel Range Organics (DRO) | ND | 9.5 | | mg/Kg | 1 | 5/17/2019 12:09:33 AM | 44941 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 5/17/2019 12:09:33 AM | 44941 |
| Surr: DNOP | 104 | 70-130 | | %Rec | 1 | 5/17/2019 12:09:33 AM | 44941 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 5/15/2019 4:42:39 PM | 44922 |
| Surr: BFB | 86.6 | 73.8-119 | | %Rec | 1 | 5/15/2019 4:42:39 PM | 44922 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/15/2019 4:42:39 PM | 44922 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 5/15/2019 4:42:39 PM | 44922 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 5/15/2019 4:42:39 PM | 44922 |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 5/15/2019 4:42:39 PM | 44922 |
| Surr: 4-Bromofluorobenzene | 87.0 | 80-120 | | %Rec | 1 | 5/15/2019 4:42:39 PM | 44922 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-14 2'

Project: RJ Unit 108

Collection Date: 5/10/2019 9:25:00 AM

Lab ID: 1905679-095

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 13000 | 61 | E | mg/Kg | 20 | 5/17/2019 1:30:55 PM | 44991 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: JME |
| Diesel Range Organics (DRO) | ND | 9.9 | | mg/Kg | 1 | 5/17/2019 12:34:09 AM | 44941 |
| Motor Oil Range Organics (MRO) | ND | 49 | | mg/Kg | 1 | 5/17/2019 12:34:09 AM | 44941 |
| Surr: DNOP | 109 | 70-130 | | %Rec | 1 | 5/17/2019 12:34:09 AM | 44941 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 5/15/2019 5:05:21 PM | 44922 |
| Surr: BFB | 88.0 | 73.8-119 | | %Rec | 1 | 5/15/2019 5:05:21 PM | 44922 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/15/2019 5:05:21 PM | 44922 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 5/15/2019 5:05:21 PM | 44922 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 5/15/2019 5:05:21 PM | 44922 |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 5/15/2019 5:05:21 PM | 44922 |
| Surr: 4-Bromofluorobenzene | 88.7 | 80-120 | | %Rec | 1 | 5/15/2019 5:05:21 PM | 44922 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-14 3'

Project: RJ Unit 108

Collection Date: 5/10/2019 9:30:00 AM

Lab ID: 1905679-096

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 13000 | 60 | E | mg/Kg | 20 | 5/15/2019 4:08:39 AM | 44918 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-14 4'

Project: RJ Unit 108

Collection Date: 5/10/2019 9:35:00 AM

Lab ID: 1905679-097

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 28000 | 60 | E | mg/Kg | 20 | 5/17/2019 1:43:19 PM | 44991 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-14 6'

Project: RJ Unit 108

Collection Date: 5/10/2019 9:40:00 AM

Lab ID: 1905679-098

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 17000 | 59 | E | mg/Kg | 20 | 5/16/2019 10:29:42 PM | 44983 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-14 8'

Project: RJ Unit 108

Collection Date: 5/10/2019 9:45:00 AM

Lab ID: 1905679-099

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 22000 | 60 | E | mg/Kg | 20 | 5/17/2019 10:00:05 PM | 45015 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-14 10'

Project: RJ Unit 108

Collection Date: 5/10/2019 9:50:00 AM

Lab ID: 1905679-100

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 20000 | 60 | E | mg/Kg | 20 | 5/17/2019 10:12:30 PM | 45015 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-15 0-1'

Project: RJ Unit 108

Collection Date: 5/10/2019 9:55:00 AM

Lab ID: 1905679-101

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 15000 | 60 | E | mg/Kg | 20 | 5/17/2019 1:55:44 PM | 44991 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: JME |
| Diesel Range Organics (DRO) | ND | 9.3 | | mg/Kg | 1 | 5/17/2019 12:58:39 AM | 44941 |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 5/17/2019 12:58:39 AM | 44941 |
| Surr: DNOP | 106 | 70-130 | | %Rec | 1 | 5/17/2019 12:58:39 AM | 44941 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 5/15/2019 5:28:01 PM | 44922 |
| Surr: BFB | 88.5 | 73.8-119 | | %Rec | 1 | 5/15/2019 5:28:01 PM | 44922 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 5/15/2019 5:28:01 PM | 44922 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 5/15/2019 5:28:01 PM | 44922 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 5/15/2019 5:28:01 PM | 44922 |
| Xylenes, Total | ND | 0.096 | | mg/Kg | 1 | 5/15/2019 5:28:01 PM | 44922 |
| Surr: 4-Bromofluorobenzene | 88.7 | 80-120 | | %Rec | 1 | 5/15/2019 5:28:01 PM | 44922 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-15 2'

Project: RJ Unit 108

Collection Date: 5/10/2019 10:00:00 AM

Lab ID: 1905679-102

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 3100 | 60 | E | mg/Kg | 20 | 5/17/2019 2:08:08 PM | 44991 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: JME |
| Diesel Range Organics (DRO) | ND | 9.2 | | mg/Kg | 1 | 5/17/2019 1:23:11 AM | 44941 |
| Motor Oil Range Organics (MRO) | ND | 46 | | mg/Kg | 1 | 5/17/2019 1:23:11 AM | 44941 |
| Surr: DNOP | 104 | 70-130 | | %Rec | 1 | 5/17/2019 1:23:11 AM | 44941 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 5/15/2019 5:50:41 PM | 44922 |
| Surr: BFB | 87.1 | 73.8-119 | | %Rec | 1 | 5/15/2019 5:50:41 PM | 44922 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 5/15/2019 5:50:41 PM | 44922 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 5/15/2019 5:50:41 PM | 44922 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 5/15/2019 5:50:41 PM | 44922 |
| Xylenes, Total | ND | 0.097 | | mg/Kg | 1 | 5/15/2019 5:50:41 PM | 44922 |
| Surr: 4-Bromofluorobenzene | 86.9 | 80-120 | | %Rec | 1 | 5/15/2019 5:50:41 PM | 44922 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-15 3'

Project: RJ Unit 108

Collection Date: 5/10/2019 10:05:00 AM

Lab ID: 1905679-103

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 6400 | 60 | E | mg/Kg | 20 | 5/15/2019 4:21:03 AM | 44918 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-15 4'

Project: RJ Unit 108

Collection Date: 5/10/2019 10:10:00 AM

Lab ID: 1905679-104

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 3200 | 59 | E | mg/Kg | 20 | 5/17/2019 2:45:21 PM | 44991 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-15 6'

Project: RJ Unit 108

Collection Date: 5/10/2019 10:15:00 AM

Lab ID: 1905679-105

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | ND | 60 | | mg/Kg | 20 | 5/16/2019 10:42:06 PM | 44983 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-16 0-1'

Project: RJ Unit 108

Collection Date: 5/10/2019 10:30:00 AM

Lab ID: 1905679-108

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 1100 | 60 | | mg/Kg | 20 | 5/17/2019 3:22:35 PM | 44991 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: JME |
| Diesel Range Organics (DRO) | ND | 9.5 | | mg/Kg | 1 | 5/17/2019 1:47:47 AM | 44941 |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 5/17/2019 1:47:47 AM | 44941 |
| Surr: DNOP | 145 | 70-130 | S | %Rec | 1 | 5/17/2019 1:47:47 AM | 44941 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 5/15/2019 6:13:19 PM | 44922 |
| Surr: BFB | 85.1 | 73.8-119 | | %Rec | 1 | 5/15/2019 6:13:19 PM | 44922 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/15/2019 6:13:19 PM | 44922 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 5/15/2019 6:13:19 PM | 44922 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 5/15/2019 6:13:19 PM | 44922 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 5/15/2019 6:13:19 PM | 44922 |
| Surr: 4-Bromofluorobenzene | 80.9 | 80-120 | | %Rec | 1 | 5/15/2019 6:13:19 PM | 44922 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-16 2'

Project: RJ Unit 108

Collection Date: 5/10/2019 10:35:00 AM

Lab ID: 1905679-109

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | ND | 60 | | mg/Kg | 20 | 5/17/2019 3:35:00 PM | 44991 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: JME |
| Diesel Range Organics (DRO) | ND | 9.3 | | mg/Kg | 1 | 5/17/2019 2:12:13 AM | 44941 |
| Motor Oil Range Organics (MRO) | ND | 46 | | mg/Kg | 1 | 5/17/2019 2:12:13 AM | 44941 |
| Surr: DNOP | 103 | 70-130 | | %Rec | 1 | 5/17/2019 2:12:13 AM | 44941 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 5/15/2019 6:35:59 PM | 44922 |
| Surr: BFB | 97.2 | 73.8-119 | | %Rec | 1 | 5/15/2019 6:35:59 PM | 44922 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/15/2019 6:35:59 PM | 44922 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 5/15/2019 6:35:59 PM | 44922 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 5/15/2019 6:35:59 PM | 44922 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 5/15/2019 6:35:59 PM | 44922 |
| Surr: 4-Bromofluorobenzene | 88.3 | 80-120 | | %Rec | 1 | 5/15/2019 6:35:59 PM | 44922 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-17 0-1'

Project: RJ Unit 108

Collection Date: 5/10/2019 11:10:00 AM

Lab ID: 1905679-115

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 24000 | 60 | E | mg/Kg | 20 | 5/17/2019 3:47:24 PM | 44991 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: JME |
| Diesel Range Organics (DRO) | ND | 9.3 | | mg/Kg | 1 | 5/17/2019 2:36:45 AM | 44941 |
| Motor Oil Range Organics (MRO) | ND | 46 | | mg/Kg | 1 | 5/17/2019 2:36:45 AM | 44941 |
| Surr: DNOP | 104 | 70-130 | | %Rec | 1 | 5/17/2019 2:36:45 AM | 44941 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 5/15/2019 6:58:41 PM | 44922 |
| Surr: BFB | 88.5 | 73.8-119 | | %Rec | 1 | 5/15/2019 6:58:41 PM | 44922 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/15/2019 6:58:41 PM | 44922 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 5/15/2019 6:58:41 PM | 44922 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 5/15/2019 6:58:41 PM | 44922 |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 5/15/2019 6:58:41 PM | 44922 |
| Surr: 4-Bromofluorobenzene | 86.7 | 80-120 | | %Rec | 1 | 5/15/2019 6:58:41 PM | 44922 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-17 2'

Project: RJ Unit 108

Collection Date: 5/10/2019 11:15:00 AM

Lab ID: 1905679-116

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 18000 | 60 | E | mg/Kg | 20 | 5/17/2019 3:59:49 PM | 44991 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | ND | 9.6 | | mg/Kg | 1 | 5/17/2019 12:37:53 PM | 44950 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 5/17/2019 12:37:53 PM | 44950 |
| Surr: DNOP | 101 | 70-130 | | %Rec | 1 | 5/17/2019 12:37:53 PM | 44950 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 5/15/2019 7:21:19 PM | 44922 |
| Surr: BFB | 88.4 | 73.8-119 | | %Rec | 1 | 5/15/2019 7:21:19 PM | 44922 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 5/15/2019 7:21:19 PM | 44922 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 5/15/2019 7:21:19 PM | 44922 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 5/15/2019 7:21:19 PM | 44922 |
| Xylenes, Total | ND | 0.097 | | mg/Kg | 1 | 5/15/2019 7:21:19 PM | 44922 |
| Surr: 4-Bromofluorobenzene | 88.5 | 80-120 | | %Rec | 1 | 5/15/2019 7:21:19 PM | 44922 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-17 3'

Project: RJ Unit 108

Collection Date: 5/10/2019 11:20:00 AM

Lab ID: 1905679-117

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 9700 | 60 | E | mg/Kg | 20 | 5/15/2019 4:45:52 AM | 44918 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-17 6'

Project: RJ Unit 108

Collection Date: 5/10/2019 11:30:00 AM

Lab ID: 1905679-119

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 33000 | 60 | E | mg/Kg | 20 | 5/16/2019 10:54:31 PM | 44983 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-17 8'

Project: RJ Unit 108

Collection Date: 5/10/2019 11:35:00 AM

Lab ID: 1905679-120

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 74000 | 60 | E | mg/Kg | 20 | 5/17/2019 10:49:44 PM | 45015 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-17 10'

Project: RJ Unit 108

Collection Date: 5/10/2019 11:40:00 AM

Lab ID: 1905679-121

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 6000 | 60 | E | mg/Kg | 20 | 5/17/2019 11:02:09 PM | 45015 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia**Client Sample ID:** BH-18 0-1'**Project:** RJ Unit 108**Collection Date:** 5/10/2019 11:45:00 AM**Lab ID:** 1905679-122**Matrix:** SOIL**Received Date:** 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 42000 | 60 | E | mg/Kg | 20 | 5/17/2019 10:47:17 AM | 44993 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | ND | 9.6 | | mg/Kg | 1 | 5/17/2019 12:59:57 PM | 44950 |
| Motor Oil Range Organics (MRO) | ND | 48 | | mg/Kg | 1 | 5/17/2019 12:59:57 PM | 44950 |
| Surr: DNOP | 102 | 70-130 | | %Rec | 1 | 5/17/2019 12:59:57 PM | 44950 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.8 | | mg/Kg | 1 | 5/15/2019 8:29:30 PM | 44922 |
| Surr: BFB | 85.3 | 73.8-119 | | %Rec | 1 | 5/15/2019 8:29:30 PM | 44922 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 5/15/2019 8:29:30 PM | 44922 |
| Toluene | ND | 0.048 | | mg/Kg | 1 | 5/15/2019 8:29:30 PM | 44922 |
| Ethylbenzene | ND | 0.048 | | mg/Kg | 1 | 5/15/2019 8:29:30 PM | 44922 |
| Xylenes, Total | ND | 0.097 | | mg/Kg | 1 | 5/15/2019 8:29:30 PM | 44922 |
| Surr: 4-Bromofluorobenzene | 84.8 | 80-120 | | %Rec | 1 | 5/15/2019 8:29:30 PM | 44922 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-18 2'

Project: RJ Unit 108

Collection Date: 5/10/2019 11:50:00 AM

Lab ID: 1905679-123

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 15000 | 60 | E | mg/Kg | 20 | 5/17/2019 10:59:42 AM | 44993 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | 9.5 | 9.3 | | mg/Kg | 1 | 5/17/2019 1:44:02 PM | 44950 |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 5/17/2019 1:44:02 PM | 44950 |
| Surr: DNOP | 106 | 70-130 | | %Rec | 1 | 5/17/2019 1:44:02 PM | 44950 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 5/15/2019 10:45:24 PM | 44925 |
| Surr: BFB | 91.1 | 73.8-119 | | %Rec | 1 | 5/15/2019 10:45:24 PM | 44925 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.024 | | mg/Kg | 1 | 5/15/2019 10:45:24 PM | 44925 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 5/15/2019 10:45:24 PM | 44925 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 5/15/2019 10:45:24 PM | 44925 |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 5/15/2019 10:45:24 PM | 44925 |
| Surr: 4-Bromofluorobenzene | 93.4 | 80-120 | | %Rec | 1 | 5/15/2019 10:45:24 PM | 44925 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-18 3'

Project: RJ Unit 108

Collection Date: 5/10/2019 11:55:00 AM

Lab ID: 1905679-124

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 1800 | 60 | | mg/Kg | 20 | 5/15/2019 5:23:06 AM | 44918 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-18 4'

Project: RJ Unit 108

Collection Date: 5/10/2019 12:00:00 PM

Lab ID: 1905679-125

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 2200 | 60 | | mg/Kg | 20 | 5/17/2019 11:12:06 AM | 44993 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-18 6'

Project: RJ Unit 108

Collection Date: 5/10/2019 12:05:00 PM

Lab ID: 1905679-126

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 310 | 61 | | mg/Kg | 20 | 5/16/2019 11:06:56 PM | 44983 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-19 0-1'

Project: RJ Unit 108

Collection Date: 5/10/2019 12:20:00 PM

Lab ID: 1905679-129

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 12000 | 60 | E | mg/Kg | 20 | 5/17/2019 11:49:20 AM | 44993 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | ND | 9.4 | | mg/Kg | 1 | 5/17/2019 2:05:59 PM | 44950 |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 5/17/2019 2:05:59 PM | 44950 |
| Surr: DNOP | 90.8 | 70-130 | | %Rec | 1 | 5/17/2019 2:05:59 PM | 44950 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 5/15/2019 11:53:21 PM | 44925 |
| Surr: BFB | 87.5 | 73.8-119 | | %Rec | 1 | 5/15/2019 11:53:21 PM | 44925 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/15/2019 11:53:21 PM | 44925 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 5/15/2019 11:53:21 PM | 44925 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 5/15/2019 11:53:21 PM | 44925 |
| Xylenes, Total | ND | 0.10 | | mg/Kg | 1 | 5/15/2019 11:53:21 PM | 44925 |
| Surr: 4-Bromofluorobenzene | 89.3 | 80-120 | | %Rec | 1 | 5/15/2019 11:53:21 PM | 44925 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-19 2'

Project: RJ Unit 108

Collection Date: 5/10/2019 12:25:00 PM

Lab ID: 1905679-130

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 22000 | 60 | E | mg/Kg | 20 | 5/17/2019 12:01:45 PM | 44993 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | ND | 9.4 | | mg/Kg | 1 | 5/17/2019 2:28:03 PM | 44950 |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 5/17/2019 2:28:03 PM | 44950 |
| Surr: DNOP | 99.9 | 70-130 | | %Rec | 1 | 5/17/2019 2:28:03 PM | 44950 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 5/16/2019 1:01:28 AM | 44925 |
| Surr: BFB | 90.8 | 73.8-119 | | %Rec | 1 | 5/16/2019 1:01:28 AM | 44925 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/16/2019 1:01:28 AM | 44925 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 5/16/2019 1:01:28 AM | 44925 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 5/16/2019 1:01:28 AM | 44925 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 5/16/2019 1:01:28 AM | 44925 |
| Surr: 4-Bromofluorobenzene | 90.0 | 80-120 | | %Rec | 1 | 5/16/2019 1:01:28 AM | 44925 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-19 4'

Project: RJ Unit 108

Collection Date: 5/10/2019 12:35:00 PM

Lab ID: 1905679-132

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 40000 | 61 | E | mg/Kg | 20 | 5/17/2019 11:14:34 PM | 45015 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-19 6'

Project: RJ Unit 108

Collection Date: 5/10/2019 12:40:00 PM

Lab ID: 1905679-133

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 1500 | 60 | | mg/Kg | 20 | 5/17/2019 11:26:58 PM | 45015 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia**Client Sample ID:** BH-20 0-1'**Project:** RJ Unit 108**Collection Date:** 5/10/2019 12:45:00 PM**Lab ID:** 1905679-134**Matrix:** SOIL**Received Date:** 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 15000 | 59 | E | mg/Kg | 20 | 5/17/2019 12:14:10 PM | 44993 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | ND | 9.5 | | mg/Kg | 1 | 5/17/2019 2:50:08 PM | 44950 |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 5/17/2019 2:50:08 PM | 44950 |
| Surr: DNOP | 101 | 70-130 | | %Rec | 1 | 5/17/2019 2:50:08 PM | 44950 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 5/16/2019 1:24:00 AM | 44925 |
| Surr: BFB | 94.0 | 73.8-119 | | %Rec | 1 | 5/16/2019 1:24:00 AM | 44925 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/16/2019 1:24:00 AM | 44925 |
| Toluene | ND | 0.050 | | mg/Kg | 1 | 5/16/2019 1:24:00 AM | 44925 |
| Ethylbenzene | ND | 0.050 | | mg/Kg | 1 | 5/16/2019 1:24:00 AM | 44925 |
| Xylenes, Total | ND | 0.099 | | mg/Kg | 1 | 5/16/2019 1:24:00 AM | 44925 |
| Surr: 4-Bromofluorobenzene | 93.5 | 80-120 | | %Rec | 1 | 5/16/2019 1:24:00 AM | 44925 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia**Client Sample ID:** BH-20 2'**Project:** RJ Unit 108**Collection Date:** 5/10/2019 12:50:00 PM**Lab ID:** 1905679-135**Matrix:** SOIL**Received Date:** 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|----------|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 7700 | 60 | E | mg/Kg | 20 | 5/16/2019 3:15:20 PM | 44964 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS | | | | | | | Analyst: TOM |
| Diesel Range Organics (DRO) | ND | 9.4 | | mg/Kg | 1 | 5/17/2019 3:34:13 PM | 44950 |
| Motor Oil Range Organics (MRO) | ND | 47 | | mg/Kg | 1 | 5/17/2019 3:34:13 PM | 44950 |
| Surr: DNOP | 100 | 70-130 | | %Rec | 1 | 5/17/2019 3:34:13 PM | 44950 |
| EPA METHOD 8015D: GASOLINE RANGE | | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 4.9 | | mg/Kg | 1 | 5/16/2019 1:46:40 AM | 44925 |
| Surr: BFB | 94.4 | 73.8-119 | | %Rec | 1 | 5/16/2019 1:46:40 AM | 44925 |
| EPA METHOD 8021B: VOLATILES | | | | | | | Analyst: NSB |
| Benzene | ND | 0.025 | | mg/Kg | 1 | 5/16/2019 1:46:40 AM | 44925 |
| Toluene | ND | 0.049 | | mg/Kg | 1 | 5/16/2019 1:46:40 AM | 44925 |
| Ethylbenzene | ND | 0.049 | | mg/Kg | 1 | 5/16/2019 1:46:40 AM | 44925 |
| Xylenes, Total | ND | 0.098 | | mg/Kg | 1 | 5/16/2019 1:46:40 AM | 44925 |
| Surr: 4-Bromofluorobenzene | 95.4 | 80-120 | | %Rec | 1 | 5/16/2019 1:46:40 AM | 44925 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-20 3'

Project: RJ Unit 108

Collection Date: 5/10/2019 12:55:00 PM

Lab ID: 1905679-136

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 970 | 60 | | mg/Kg | 20 | 5/18/2019 12:04:11 AM | 44920 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-20 4'

Project: RJ Unit 108

Collection Date: 5/10/2019 1:00:00 PM

Lab ID: 1905679-137

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 21000 | 60 | E | mg/Kg | 20 | 5/18/2019 12:16:35 AM | 45016 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |
| | | | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-20 6'

Project: RJ Unit 108

Collection Date: 5/10/2019 1:05:00 PM

Lab ID: 1905679-138

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 14000 | 61 | E | mg/Kg | 20 | 5/18/2019 12:29:00 AM | 45016 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-20 8'

Project: RJ Unit 108

Collection Date: 5/10/2019 1:10:00 PM

Lab ID: 1905679-139

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|-----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 560 | 60 | | mg/Kg | 20 | 5/18/2019 12:41:25 AM | 45016 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-20 10'

Project: RJ Unit 108

Collection Date: 5/10/2019 1:15:00 PM

Lab ID: 1905679-140

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 730 | 59 | | mg/Kg | 20 | 5/18/2019 1:18:39 AM | 45016 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order **1905679**

Date Reported:

CLIENT: Talon Artesia

Client Sample ID: BH-20 12'

Project: RJ Unit 108

Collection Date: 5/10/2019 1:20:00 PM

Lab ID: 1905679-141

Matrix: SOIL

Received Date: 5/14/2019 9:10:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---------------------------------|--------|----|------|-------|----|----------------------|---------------------|
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: MRA |
| Chloride | 550 | 60 | | mg/Kg | 20 | 5/18/2019 1:31:03 AM | 45016 |

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

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Value above quantitation range |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of range due to dilution or matrix | | |

Chain-of-Custody Record

Client: LaLor

Mailing Address: 408 W. Texas

Phone #: 631-6977

email or Fax#: Artesia, NM 88210

QA/QC Package: ☐ Standard ☐ Level 4 (Full Validation)

Accreditation ☐ NELAP ☐ Other

☐ EDD (Type)

Date Time Matrix Sample Request ID

5/12/19 1040 Soil BH-2 8' ENM5/14/19

1050 10' 10' BH-3 0-1'

1100 2' 2' BH-4 0-1'

1120 3' 3' BH-4 2'

1130 4' 4' BH-4 3'

1140 6' 6' BH-4 3'

1150 8' 8' BH-4 3'

1200 10' 10' BH-4 3'

1210 0-1' BH-4 3'

1220 2' BH-4 3'

1230 3' BH-4 3'

Date: Time: Relinquished by: Br. Lior

Date: Time: Relinquished by: AP

Date: Time: Relinquished by: AP

Date: Time: Relinquished by: AP

Date: Time: Relinquished by: AP

Date: Time: Relinquished by: AP

Turn-Around Time: ☒ Standard ☐ Rush

Project Name: R5 Unit #108

Project #: 700778-118.01

Project Manager: Chris Jones

Sampler: CS

On Ice: ☒ Yes ☐ No

Sample Temperature: 0.9°C / 1.7°C / 2.2°C

Container Type and #

Preservative Type

HEAL No. 1905679

Jar Ice

-013

-014

-015

-016

-017

-018

-019

-020

-021

-022

-023

-024

Received by: AP Date: 5/13/19 Time: 1330

Received by: Curie Date: 5-14-19 Time: 9:10

Received by: AP Date: 5-14-19 Time: 9:10



HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

| | | | | | | | | | | | | |
|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| BTEX + MTBE + TMB's (8021) | BTEX + MTBE + TPH (Gas only) | TPH 8015B (GRO / DRO / MRO) | TPH (Method 418.1) | EDB (Method 504.1) | PAH's (8310 or 8270 SIMS) | RCRA 8 Metals | Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄) | 8081 Pesticides / 8082 PCB's | 8260B (VOA) | 8270 (Semi-VOA) | Chlorides (300) | Air Bubbles (Y or N) |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

Remarks: P. 2 of 13

Chain-of-Custody Record

Client: Talon

Mailing Address: 408 W Texas

Phone #: 631-6977

email or Fax#:

QA/QC Package:
☒ Standard
☐ Level 4 (Full Validation)
 Accreditation
☐ NELAP
☐ Other _____
☐ EDD (Type) _____

Turn-Around Time:
☒ Standard
☐ Rush

Project Name: COG

RJ Unit D8

Project #:
700778-118.01

Project Manager:
C Jones

Sampler: C Jones

On Ice: ☒ Yes ☐ No

Sample Temperature: 0.9°C / 1.7°C / 2.2°C

| Date | Time | Matrix | Sample Request ID | Container Type and # | Preservative Type | HEAL No. |
|----------------|------------|--------------------|-------------------|----------------------|-------------------|----------------|
| <u>5-19-19</u> | | <u>ENH 5/14/19</u> | | | | |
| | <u>240</u> | <u>Soil BH-6</u> | <u>0-1'</u> | <u>Jar</u> | <u>Ice</u> | <u>1905679</u> |
| | <u>250</u> | <u>"</u> | <u>2'</u> | | | <u>-036</u> |
| | <u>300</u> | <u>"</u> | <u>3'</u> | | | <u>-037</u> |
| | <u>310</u> | <u>"</u> | <u>4'</u> | | | <u>-038</u> |
| | <u>320</u> | <u>"</u> | <u>6'</u> | | | <u>-039</u> |
| | <u>330</u> | <u>"</u> | <u>8'</u> | | | <u>-040</u> |
| | <u>340</u> | <u>"</u> | <u>10'</u> | | | <u>-041</u> |
| | <u>350</u> | <u>BH-7</u> | <u>0-1'</u> | | | <u>-042</u> |
| | <u>400</u> | <u>"</u> | <u>2'</u> | | | <u>-043</u> |
| | <u>410</u> | <u>"</u> | <u>3'</u> | | | <u>-044</u> |
| | <u>415</u> | <u>"</u> | <u>4'</u> | | | <u>-045</u> |
| | <u>420</u> | <u>"</u> | <u>6'</u> | | | <u>-046</u> |
| | | | | | | <u>-047</u> |

Date: _____ Time: _____

Relinquished by: W. Sin

Date: 5/13/19 Time: 1900

Received by: Lat

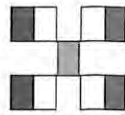
Date: 5/13/19 Time: 1330

Received by: Conner

Date: 5-14-19 Time: 9:10

Remarks:

P. 4813



**HALL ENVIRONMENTAL
ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

| | | | | | | | | | | | | |
|-------------------------------------|-------------------------------------|-------------------------------------|--------------------|--------------------|---------------------------|---------------|--|------------------------------|-------------|-----------------|-------------------------------------|----------------------|
| BTEX + MTBE + TMB's (8021) | BTEX + MTBE + TPH (Gas only) | TPH 8015B (GRO / DRO / MRO) | TPH (Method 418.1) | EDB (Method 504.1) | PAH's (8310 or 8270 SIMS) | RCRA 8 Metals | Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄) | 8081 Pesticides / 8082 PCB's | 8260B (VOA) | 8270 (Semi-VOA) | Chlorides (300) | Air Bubbles (Y or N) |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | | | | <input checked="" type="checkbox"/> | |

| Chain-of-Custody Record | | | | |
|--|-------|--|-------------------|--------------|
| Client: <u>Telom</u> | | Turn-Around Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush | | |
| Mailing Address: <u>408 W Texa</u> | | Project Name: <u>COG</u> | | |
| Phone #: <u>631-6977</u> | | Project #: <u>RJ Unit 108</u> | | |
| email or Fax#: | | Project Manager: <u>700778-118.01</u> | | |
| QA/QC Package: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation) | | Sampler: <u>CToes</u> | | |
| Accreditation <input type="checkbox"/> NELAP <input type="checkbox"/> Other _____ | | On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | |
| <input type="checkbox"/> EDD (Type) _____ | | Sample Temperature: <u>0.9°C / 1.7°C / 2.2°C</u> | | |
| Date | Time | Matrix | Sample Request ID | HEAL No. |
| 5-19-19 | 425 | Soil | BH-7 | 81 |
| | 430 | " | " | 101 |
| | 435 | | BH-8 | 0-1' |
| | 440 | " | " | 2' |
| | 445 | " | " | 3' |
| | 450 | " | " | 4' |
| | 455 | " | " | 6' |
| | 500 | " | " | 8' |
| | 505 | " | " | 10' |
| | 510 | | BH-9 | 0-1' |
| | 515 | " | " | 2' |
| | 520 | " | " | 3' |
| Date: | Time: | Relinquished by: <u>Yuan Janku</u> | | Date: Time |
| 5/13/19 | 190 | Relinquished by: <u>[Signature]</u> | | 5/13/19 1330 |
| Received by: <u>[Signature]</u> | | Date: Time | | 5-14-19 9:00 |

| Analysis Request | |
|--|-----------------|
| BTEX + MTBE + TMB's (8021) | |
| BTEX + MTBE + TPH (Gas only) | |
| TPH 8015B (GRO / DRO / MRO) | / |
| TPH (Method 418.1) | / |
| EDB (Method 504.1) | |
| PAH's (8310 or 8270 SIMS) | |
| RCRA 8 Metals | |
| Anions (F ⁻ , Cl ⁻ , NO ₃ ⁻ , NO ₂ ⁻ , PO ₄ ⁻ , SO ₄ ⁻) | |
| 8081 Pesticides / 8082 PCB's | |
| 8260B (VOA) | |
| 8270 (Semi-VOA) | Chlorides (300) |
| Air Bubbles (Y or N) | |

Remarks:

P. 5 of 13

[illegible]

| Analysis Request | |
|---|--|
| BTEX + MTBE + TMS (8021) | |
| BTEX + MTBE + TPH (Gas only) | |
| TPH 8015B (GRO / DRO / MRO) | |
| TPH (Method 418.1) | |
| EDB (Method 504.1) | |
| PAH's (8310 or 8270 SIMS) | |
| RCRA 8 Metals | |
| Anions (F^- , Cl^- , NO_3^- , NO_2^- , PO_4^{3-} , SO_4^{2-}) | |
| 8081 Pesticides / 8082 PCB's | |
| 8260B (VOA) | |
| 8270 (Semi-VOA) | |
| Air Bubbles (Y or N) | |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

| Chain-of-Custody Record | | | | | Turn-Around Time: | | |
|---|-------|------------------------------|-------------|--------------------------|---|---------|-------|
| Client: Tson | | | | | <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush | | |
| Mailing Address: 408 W Texas | | | | | Project Name: CCG | | |
| Phone #: 631-6977 | | | | | Project #: RJ Unit 108 | | |
| email or Fax#: | | | | | Project Manager: C Jones | | |
| QA/QC Package: | | | | | Sampler: C Jones | | |
| <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation) | | | | | On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | |
| Accreditation | | | | | Sample Temperature: 4.9°C / 1.7°C / 2.2°C | | |
| <input type="checkbox"/> NELAP <input type="checkbox"/> Other | | | | | HEAL No. 1905679 | | |
| <input type="checkbox"/> EDD (Type) | | | | | Container Type and # | | |
| <input type="checkbox"/> EDD (Type) | | | | | Preservative Type | | |
| 5/13/19 | 0810 | Soil | ENH 5/14/19 | 0-1' | Jar | Ice | -080 |
| | 815 | | " | 2' | | | -081 |
| | 820 | | " | 3' | | | -082 |
| | 825 | | " | 4' | | | -083 |
| | 830 | | " | 5' | | | -084 |
| | 835 | | " | 8' | | | -085 |
| | 840 | | " | 10' | | | -086 |
| | 845 | | BH-13 | 0-1' | | | -087 |
| | 850 | | " | 2' | | | -088 |
| | 855 | | " | 3' | | | -089 |
| | 900 | | " | 4' | | | -090 |
| | 905 | | " | 6' | | | -091 |
| Date: | Time: | Relinquished by: [Signature] | | Received by: [Signature] | | Date: | Time: |
| 5/13/19 | 1900 | Relinquished by: [Signature] | | Received by: [Signature] | | 5/13/19 | 1330 |



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Analysis Request

[illegible]

Remarks:

| Chain-of-Custody Record | | | | |
|--|-------|------------------|-------------------|--------------|
| Client: <u>Talon</u> | | | | |
| Mailing Address: <u>408 W. Texas</u> | | | | |
| Phone #: <u>631-6977</u> | | | | |
| email or Fax#: _____ | | | | |
| QA/QC Package: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation) | | | | |
| Accreditation <input type="checkbox"/> NELAP <input type="checkbox"/> Other _____ | | | | |
| <input type="checkbox"/> EDD (Type) _____ | | | | |
| Date | Time | Matrix | Sample Request ID | HEAL No. |
| 5-20-19 | 910 | Soil | BH-13 | 1905679 |
| | 915 | | | -092 |
| | 920 | | BH-14 | -093 |
| | 925 | | | -094 |
| | 930 | | | -095 |
| | 935 | | | -096 |
| | 940 | | | -097 |
| | 945 | | | -098 |
| | 950 | | | -099 |
| | 955 | | | -100 |
| | 1000 | | BH-15 | -101 |
| | 1005 | | | -102 |
| | | | | -103 |
| Date: | Time: | Relinquished by: | Received by: | Date |
| 5/31/19 | 1910 | Yan Lin | [Signature] | 5/31/19 1330 |
| Date: | Time: | Relinquished by: | Received by: | Date |
| 5/31/19 | 1910 | [Signature] | Gourier | 5-14-19 9:10 |

| Turn-Around Time: | | | |
|--|-------------------|-------------------------------|-------------|
| <input checked="" type="checkbox"/> Standard | | <input type="checkbox"/> Rush | |
| Project Name: <u>COG</u> | | | |
| <u>R5 Unit 108</u> | | | |
| Project #: | | | |
| <u>700778.118.01</u> | | | |
| Project Manager: | | | |
| <u>C Jones</u> | | | |
| Sampler: <u>C Jones</u> | | | |
| On Ice: <input checked="" type="checkbox"/> Yes | | <input type="checkbox"/> No | |
| Sample Temperature: <u>0.9°C / 1.7°C / 2.2°C</u> | | | |
| Container Type and # | Preservative Type | HEAL No. | |
| <u>Jar</u> | <u>Ice</u> | <u>1905679</u> | |
| <u>1</u> | <u>1</u> | <u>-092</u> | |
| <u>1</u> | <u>1</u> | <u>-093</u> | |
| <u>1</u> | <u>1</u> | <u>-094</u> | |
| <u>1</u> | <u>1</u> | <u>-095</u> | |
| <u>1</u> | <u>1</u> | <u>-096</u> | |
| <u>1</u> | <u>1</u> | <u>-097</u> | |
| <u>1</u> | <u>1</u> | <u>-098</u> | |
| <u>1</u> | <u>1</u> | <u>-099</u> | |
| <u>1</u> | <u>1</u> | <u>-100</u> | |
| <u>1</u> | <u>1</u> | <u>-101</u> | |
| <u>1</u> | <u>1</u> | <u>-102</u> | |
| <u>1</u> | <u>1</u> | <u>-103</u> | |
| Received by: <u>[Signature]</u> | | Date | Time |
| | | <u>5/13/19</u> | <u>1330</u> |
| Received by: <u>[Signature]</u> | | Date | Time |
| | | <u>5-14-19</u> | <u>9:10</u> |

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[illegible]

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Telco

Mailing Address: 408 W. Texas

Phone #: 631-6577

email or Fax#: _____

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation

☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time: ☒ Standard ☐ Rush

Project Name: COG

Project #: RJ Unit 108

Project #: 700778-118.01

Project Manager: C Jones

Sampler: C Jones

On Ice: ☒ Yes ☐ No

Sample Temperature: 0.9°C / 1.7°C / 2.2°C

HEAL No. 1905679



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

| Analysis Request | | | |
|--|------|------------|-------------------|
| Date | Time | Matrix | Sample Request ID |
| 5/30/19 | 100 | Soil BH-15 | 4' |
| 1015 | | " | 6' |
| 1020 | | " | 8' |
| 1025 | | " | 10' |
| 1030 | | BH-16 | 0-1' |
| 1035 | | | 2' |
| 1040 | | | 3' |
| 1045 | | | 4' |
| 1055 | | | 6' |
| 1100 | | | 8' |
| 1105 | | | 10' |
| Remarks: | | | |
| BTEX + MTBE + TMB's (8021) | | | |
| BTEX + MTBE + TPH (Gas only) | | | |
| TPH 8015B (GRO / DRO / MRO) | | | |
| TPH (Method 418.1) | | | |
| EDB (Method 504.1) | | | |
| PAH's (8310 or 8270 SIMS) | | | |
| RCRA 8 Metals | | | |
| Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄) | | | |
| 8081 Pesticides / 8082 PCB's | | | |
| 8260B (VOA) | | | |
| 8270 (Semi-VOA) | | | |
| Chlorides (302) | | | |
| Air Bubbles (Y or N) | | | |

Received by: [Signature] Date: 5/13/19 Time: 1330

Received by: [Signature] Date: 5-14-19 Time: 9-10

Chain-of-Custody Record

Client: Taylor

Mailing Address: 408 W. Texas

Phone #: 631-6577

email or Fax#: _____

QA/QC Package: ☐ Standard ☐ Level 4 (Full Validation)

Accreditation ☐ NELAP ☐ Other _____

☐ EDD (Type) _____

| Date | Time | Matrix | Sample Request ID |
|---------|------|-------------|-------------------|
| 5/10/19 | | EUM 5/14/19 | |
| 1110 | | Soil BH-17 | 0-1' |
| 1115 | | " | 2' |
| 1120 | | " | 3' |
| 1125 | | " | 4' |
| 1130 | | " | 5' |
| 1135 | | " | 8' |
| 1140 | | " | 10' |
| 1145 | | BH-18 | 0-1' |
| 1150 | | " | 2' |
| 1155 | | " | 3' |
| 1200 | | " | 4' |
| 1205 | | " | 6' |

Date: _____ Time: _____

Relinquished by: _____

Date: 5/13/19 Time: 1900

Relinquished by: _____

Turn-Around Time: ☒ Standard ☐ Rush

Project Name: COG

Project #: RJ Unit 108

Project #: 700778-118.01

Project Manager: C Jones

Sampler: C Jones

On Ice: ☒ Yes ☐ No

Sample Temperature: 0.9°C / 1.7°C / 2.2°C

Container Type and #

Preservative Type

HEAL No. 1905679

| Container Type and # | Preservative Type | HEAL No. |
|----------------------|-------------------|----------|
| Jar | Ice | -115 |
| | | -116 |
| | | -117 |
| | | -118 |
| | | -119 |
| | | -120 |
| | | -121 |
| | | -122 |
| | | -123 |
| | | -124 |
| | | -125 |
| | | -126 |

Received by: _____ Date: 5/13/19 Time: 1330

Received by: Carrier Date: 5-14-19 Time: 9:00

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

| | | | | | | | | | | | | |
|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|--|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| BTEX + MTBE + TMBs (8021) | BTEX + MTBE + TMBs (8021) | TPH 8015B (GRO / DRO / MRO) | TPH (Method 418.1) | EDB (Method 504.1) | PAHs (8310 or 8270 SIMS) | RCRA 8 Metals | Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄) | 8081 Pesticides / 8082 PCBs | 8260B (VOA) | 8270 (Semi-VOA) | Chlorides (300) | Air Bubbles (Y or N) |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

Remarks:

PU 0513

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Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

[illegible]

Remarks:

p. 13 of 13

[illegible]

if necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



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

May 22, 2019

CHRIS JONES

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: RJU #108

Enclosed are the results of analyses for samples received by the laboratory on 05/21/19 16:05.

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 accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

TALON LPE
CHRIS JONES
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 05/21/2019
Reported: 05/22/2019
Project Name: RJU #108
Project Number: 700778.118.01
Project Location: COG - EDDY CO NM

Sampling Date: 05/20/2019
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: BH - 12 10' (H901824-01)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4080 | 16.0 | 05/22/2019 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: BH - 14 10' (H901824-02)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 18000 | 16.0 | 05/22/2019 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: BH - 14 11' (H901824-03)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 10700 | 16.0 | 05/22/2019 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: BH - 17 10' (H901824-04)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 6400 | 16.0 | 05/22/2019 | ND | 432 | 108 | 400 | 7.69 | QM-07 |

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TALON LPE
CHRIS JONES
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 05/21/2019
Reported: 05/22/2019
Project Name: RJU #108
Project Number: 700778.118.01
Project Location: COG - EDDY CO NM

Sampling Date: 05/20/2019
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: BH - 17 11' (H901824-05)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 144 | 16.0 | 05/22/2019 | ND | 432 | 108 | 400 | 7.69 | | |

Sample ID: BH - 19 6' (H901824-06)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1360 | 16.0 | 05/22/2019 | ND | 432 | 108 | 400 | 7.69 | |

Sample ID: BH - 19 7' (H901824-07)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 4400 | 16.0 | 05/22/2019 | ND | 432 | 108 | 400 | 7.69 | | |

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476

[illegible]

+ Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



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

May 22, 2019

CHRIS JONES

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: RJU #108

Enclosed are the results of analyses for samples received by the laboratory on 05/21/19 16:05.

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 accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

TALON LPE
CHRIS JONES
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 05/21/2019
Reported: 05/22/2019
Project Name: RJU #108
Project Number: 700778.118.01
Project Location: COG - EDDY CO NM

Sampling Date: 05/20/2019
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: BH - 12 10' (H901824-01)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4080 | 16.0 | 05/22/2019 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: BH - 14 10' (H901824-02)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 18000 | 16.0 | 05/22/2019 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: BH - 14 11' (H901824-03)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 10700 | 16.0 | 05/22/2019 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: BH - 17 10' (H901824-04)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 6400 | 16.0 | 05/22/2019 | ND | 432 | 108 | 400 | 7.69 | QM-07 |

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TALON LPE
CHRIS JONES
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received: 05/21/2019
Reported: 05/22/2019
Project Name: RJU #108
Project Number: 700778.118.01
Project Location: COG - EDDY CO NM

Sampling Date: 05/20/2019
Sampling Type: Soil
Sampling Condition: ** (See Notes)
Sample Received By: Tamara Oldaker

Sample ID: BH - 17 11' (H901824-05)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 144 | 16.0 | 05/22/2019 | ND | 432 | 108 | 400 | 7.69 | | |

Sample ID: BH - 19 6' (H901824-06)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1360 | 16.0 | 05/22/2019 | ND | 432 | 108 | 400 | 7.69 | |

Sample ID: BH - 19 7' (H901824-07)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4400 | 16.0 | 05/22/2019 | ND | 432 | 108 | 400 | 7.69 | |

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Celey D. Keene, Lab Director/Quality Manager

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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Celey D. Keene, Lab Director/Quality Manager



CARDINAL

Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| | | | | | | | | | | | | | | | |
|---|--|-----------------------|--|------------------|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: Talon | | P.O. #: | | BILL TO | | | | | | | | | | | |
| Project Manager: C. Jones | | Company: Talon | | ANALYSIS REQUEST | | | | | | | | | | | |
| Address: 408 W. Texas | | Attn: | | | | | | | | | | | | | |
| City: Artesia State: NM Zip: 88210 | | Address: | | | | | | | | | | | | | |
| Phone #: 631-6977 Fax #: | | City: | | | | | | | | | | | | | |
| Project #: 760778.118.01 Project Owner: COG | | State: | | | | | | | | | | | | | |
| Project Name: RJ Unit #108 | | Zip: | | | | | | | | | | | | | |
| Project Location: Eddy, NM | | Phone #: | | | | | | | | | | | | | |
| Sampler Name: Brandon Sinclair | | Fax #: | | | | | | | | | | | | | |

| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | | DATE | TIME | ANALYSIS REQUEST |
|----------|-------------|-------------------|--------------|-------------|------------|------|-----|--------|---------|---------|------|------------------|
| | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | | | |
| H901824 | BH-12 | 10' | 6 | | | | | | | 5-10-19 | 1000 | Chlorides |
| 1 | BH-14 | 10' | | | | | | | | 11:10 | | |
| 2 | BH-17 | 10' | | | | | | | | 12:10 | | |
| 3 | BH-19 | 6' | | | | | | | | 1:00 | | |
| 4 | | 7' | | | | | | | | 1:10 | | |

| | | | | | |
|-------------------------------------|--|----------------------|---------------------------------|--|----------------|
| Relinquished By: <i>[Signature]</i> | | Date: 5-21-19 | Received By: <i>[Signature]</i> | Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Phone #: |
| Relinquished By: <i>[Signature]</i> | | Time: 16:05 | Received By: <i>[Signature]</i> | Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Fax #: |
| Relinquished By: <i>[Signature]</i> | | Time: | Received By: <i>[Signature]</i> | REMARKS: | |

| | | |
|---|---|------------------------|
| Delivered By: (Circle One) | Sample Condition | CHECKED BY: (Initials) |
| <input type="radio"/> UPS - Bus - Other: 18762 #97 | <input type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No | 10 |



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

July 05, 2019

CLAIR GONZALES

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: RJ UNIT #108

Enclosed are the results of analyses for samples received by the laboratory on 07/03/19 12:15.

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 accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Mike Snyder".

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/03/2019
 Reported: 07/05/2019
 Project Name: RJ UNIT #108
 Project Number: (4/17/19)
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/01/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 1 (0-1') (H902291-01)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 896 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 1 (2') (H902291-02)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 1 (3') (H902291-03)

| 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 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 1 (4') (H902291-04)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1620 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | |

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/03/2019
Reported: 07/05/2019
Project Name: RJ UNIT #108
Project Number: (4/17/19)
Project Location: COG - EDDY CO NM

Sampling Date: 07/01/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 1 (5') (H902291-05)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 160 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | | |

Sample ID: BORE HOLE # 1 (6') (H902291-06)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 1 (7') (H902291-07)

| Chloride, 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 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | | |

Sample ID: BORE HOLE # 2 (0-1') (H902291-08)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 7680 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | |


Sample ID: BORE HOLE # 2 (2') (H902291-09)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | |

Cardinal Laboratories

*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/03/2019
Reported: 07/05/2019
Project Name: RJ UNIT #108
Project Number: (4/17/19)
Project Location: COG - EDDY CO NM

Sampling Date: 07/01/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 2 (3') (H902291-10)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 2 (4') (H902291-11)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 3040 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | | |

Sample ID: BORE HOLE # 2 (5') (H902291-12)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 128 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | | |

Sample ID: BORE HOLE # 2 (6') (H902291-13)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 2 (7') (H902291-14)

| Chloride, 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 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | |

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/03/2019
Reported: 07/05/2019
Project Name: RJ UNIT #108
Project Number: (4/17/19)
Project Location: COG - EDDY CO NM

Sampling Date: 07/01/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 3 (0-1') (H902291-15)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 6960 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | | |

Sample ID: BORE HOLE # 3 (2') (H902291-16)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1140 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 3 (3') (H902291-17)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1040 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 3 (4') (H902291-18)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2120 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 3 (5') (H902291-19)

| Chloride, 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 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | |

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/03/2019
 Reported: 07/05/2019
 Project Name: RJ UNIT #108
 Project Number: (4/17/19)
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/01/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 3 (6') (H902291-20)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 128 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | | |

Sample ID: BORE HOLE # 3 (7') (H902291-21)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1180 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 3 (8') (H902291-22)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 80.0 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | | |

Sample ID: BORE HOLE # 3 (9') (H902291-23)

| Chloride, 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 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 4 (0-1') (H902291-24)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 3280 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | | |

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/03/2019
 Reported: 07/05/2019
 Project Name: RJ UNIT #108
 Project Number: (4/17/19)
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/01/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 4 (2') (H902291-25)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 288 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 4 (3') (H902291-26)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 4 (4') (H902291-27)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2080 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | QM-07 |

Sample ID: BORE HOLE # 4 (5') (H902291-28)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 176 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 4 (6') (H902291-29)

| Chloride, SM4500Cl-B | | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 144 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | | |

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Analytical Results For:

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

 Received: 07/03/2019
 Reported: 07/05/2019
 Project Name: RJ UNIT #108
 Project Number: (4/17/19)
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/02/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 5 (0-1') (H902291-30)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 5 (2') (H902291-31)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1310 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 5 (3') (H902291-32)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 19000 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 5 (4') (H902291-33)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 17000 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 5 (5') (H902291-34)

| 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 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | |

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Analytical Results For:

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

Received: 07/03/2019
Reported: 07/05/2019
Project Name: RJ UNIT #108
Project Number: (4/17/19)
Project Location: COG - EDDY CO NM

Sampling Date: 07/02/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 5 (6') (H902291-35)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1540 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | | |

Sample ID: BORE HOLE # 5 (7') (H902291-36)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 464 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | | |

Sample ID: BORE HOLE # 5 (8') (H902291-37)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 64.0 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | | |

Sample ID: BORE HOLE # 5 (9') (H902291-38)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 560 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 6 (0-1') (H902291-39)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 8800 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | |

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/03/2019
 Reported: 07/05/2019
 Project Name: RJ UNIT #108
 Project Number: (4/17/19)
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/02/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 6 (2') (H902291-40)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 4960 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | | |

Sample ID: BORE HOLE # 6 (3') (H902291-41)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 6320 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | | |

Sample ID: BORE HOLE # 6 (4') (H902291-42)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 7600 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | | |

Sample ID: BORE HOLE # 6 (5") (H902291-43)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 6660 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | | |

Sample ID: BORE HOLE # 6 (6') (H902291-44)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 9460 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | |

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/03/2019
Reported: 07/05/2019
Project Name: RJ UNIT #108
Project Number: (4/17/19)
Project Location: COG - EDDY CO NM

Sampling Date: 07/02/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 6 (7') (H902291-45)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 2240 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | | |

Sample ID: BORE HOLE # 6 (8') (H902291-46)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3960 | 16.0 | 07/04/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 6 (9') (H902291-47)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 2560 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | QM-07 | |

Sample ID: BORE HOLE # 6 (10') (H902291-48)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1650 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | | |


Sample ID: BORE HOLE # 6 (11') (H902291-49)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3560 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/03/2019
 Reported: 07/05/2019
 Project Name: RJ UNIT #108
 Project Number: (4/17/19)
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/02/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 6 (12') (H902291-50)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4960 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 6 (13') (H902291-51)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 560 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 6 (14') (H902291-52)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 6 (15') (H902291-53)

| 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 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 7 (0-1') (H902291-54)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/03/2019
 Reported: 07/05/2019
 Project Name: RJ UNIT #108
 Project Number: (4/17/19)
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/02/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 7 (2') (H902291-55)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 416 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | | |

Sample ID: BORE HOLE # 7 (3') (H902291-56)

| Chloride, 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 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | | |

Sample ID: BORE HOLE # 7 (4') (H902291-57)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 432 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 7 (5') (H902291-58)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 816 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 7 (6') (H902291-59)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1780 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | | |

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/03/2019
Reported: 07/05/2019
Project Name: RJ UNIT #108
Project Number: (4/17/19)
Project Location: COG - EDDY CO NM

Sampling Date: 07/02/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 7 (7') (H902291-60)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1040 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 8 (0-1') (H902291-61)

| Chloride, SM4500CI-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 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 8 (2') (H902291-62)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 8 (3') (H902291-63)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 736 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 8 (4') (H902291-64)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1040 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

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Analytical Results For:

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

 Received: 07/03/2019
 Reported: 07/05/2019
 Project Name: RJ UNIT #108
 Project Number: (4/17/19)
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/02/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 8 (5') (H902291-65)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4800 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 8 (6') (H902291-66)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 6640 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 8 (7') (H902291-67)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 5600 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: BORE HOLE # 8 (8') (H902291-68)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 6720 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: BORE HOLE # 8 (9') (H902291-69)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 6930 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

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Analytical Results For:

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

 Received: 07/03/2019
 Reported: 07/05/2019
 Project Name: RJ UNIT #108
 Project Number: (4/17/19)
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/02/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 8 (10') (H902291-70)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1340 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: BORE HOLE # 8 (11') (H902291-71)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4080 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: BORE HOLE # 8 (12') (H902291-72)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 480 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: BORE HOLE # 8 (13') (H902291-73)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 6530 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: BORE HOLE # 8 (14') (H902291-74)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 9200 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

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Analytical Results For:

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

Received: 07/03/2019
Reported: 07/05/2019
Project Name: RJ UNIT #108
Project Number: (4/17/19)
Project Location: COG - EDDY CO NM

Sampling Date: 07/02/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 9 (0-1') (H902291-75)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: BORE HOLE # 9 (2') (H902291-76)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: BORE HOLE # 9 (3') (H902291-77)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 624 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: BORE HOLE # 9 (4') (H902291-78)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 768 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: BORE HOLE # 9 (5') (H902291-79)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 5520 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

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Analytical Results For:

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

Received: 07/03/2019
Reported: 07/05/2019
Project Name: RJ UNIT #108
Project Number: (4/17/19)
Project Location: COG - EDDY CO NM

Sampling Date: 07/02/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 9 (6') (H902291-80)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 8260 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | | |

Sample ID: BORE HOLE # 9 (7') (H902291-81)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 5920 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: BORE HOLE # 9 (8') (H902291-82)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 6000 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: BORE HOLE # 9 (9') (H902291-83)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 336 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: BORE HOLE # 9 (10') (H902291-84)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/03/2019
 Reported: 07/05/2019
 Project Name: RJ UNIT #108
 Project Number: (4/17/19)
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/02/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 10 (0-1') (H902291-85)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: BORE HOLE # 10 (2') (H902291-86)

| Chloride, 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 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: BORE HOLE # 10 (3') (H902291-87)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: BORE HOLE # 10 (4') (H902291-88)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: BORE HOLE # 10 (5') (H902291-89)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 480 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | |

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*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/03/2019
Reported: 07/05/2019
Project Name: RJ UNIT #108
Project Number: (4/17/19)
Project Location: COG - EDDY CO NM

Sampling Date: 07/02/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 10 (6') (H902291-90)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 5280 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | |

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*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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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*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Custody Record



Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

| | | | | | | | |
|--------------------------------------|--|-------------------------|--|--------------------|--|-----------------|--|
| Client Name: | | COG | | Site Manager: | | Clair Gonzales | |
| Project Name: | | RJ Unit 108 (4.17.19) | | | | | |
| Project Location: (county, state) | | Eddy Co, NM | | Project #: | | Pending | |
| Invoice to: | | Attn: COG - Ike Taveres | | | | | |
| Receiving Laboratory: | | Cardinal | | Sampler Signature: | | Conner Moehring | |
| Comments: | | | | | | | |

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | | | # CONTAINERS | FILTERED (Y/N) |
|-------------------------|-----------------------|----------|------|--------|------|---------------------|------------------|-----|------|--------------|----------------|
| | | DATE | TIME | WATER | SOIL | HCL | HNO ₃ | ICE | None | | |
| | | | | | | | | | | | |
| 1 | Borehole #1 (0-1') | 7/1/19 | | X | | X | | | | 1 | 2 |
| 2 | Borehole #1 (2') | | | X | | X | | | | 1 | 2 |
| 3 | Borehole #1 (3') | | | X | | X | | | | 1 | 2 |
| 4 | Borehole #1 (4') | | | X | | X | | | | 1 | 2 |
| 5 | Borehole #1 (5') | | | X | | X | | | | 1 | 2 |
| 6 | Borehole #1 (6') | | | X | | X | | | | 1 | 2 |
| 7 | Borehole #1 (7') | | | X | | X | | | | 1 | 2 |
| 8 | Borehole #2 (0-1') | | | X | | X | | | | 1 | 2 |
| 9 | Borehole #2 (2') | | | X | | X | | | | 1 | 2 |
| 10 | Borehole #2 (3') | | | X | | X | | | | 1 | 2 |

| LAB USE ONLY | | REMARKS: | |
|--------------------|------|---|-------------|
| Sample Temperature | #97 | <input type="checkbox"/> STANDARD | |
| | 3.46 | <input checked="" type="checkbox"/> RUSH: Same Day (24 hr) | 48 hr 72 hr |
| | | <input type="checkbox"/> Rush Charges Authorized | |
| | | <input type="checkbox"/> Special Report Limits or TRRP Report | |

| ANALYSIS REQUEST (Circle or Specify Method No.) | |
|--|--|
| BTEX 8021B BTEX 8260B | |
| TPH TX1005 (Ext to C35) | |
| TPH 8015M (GRO - DRO - ORO - MRO) | |
| PAH 8270C | |
| Total Metals Ag As Ba Cd Cr Pb Se Hg | |
| TCLP Metals Ag As Ba Cd Cr Pb Se Hg | |
| TCLP Volatiles | |
| TCLP Semi Volatiles | |
| RCI | |
| GC/MS Vol. 8260B / 624 | |
| GC/MS Semi. Vol. 8270C/625 | |
| PCB's 8082 / 608 | |
| NORM | |
| PLM (Asbestos) | |
| Chloride | |
| Chloride Sulfate TDS | |
| General Water Chemistry (see attached list) | |
| Anion/Cation Balance | |
| Hold | |

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(Circle) HAND DELIVERED FEDEX UPS Tracking #:

Analysis Request of Custody Record



Tetra Tech, Inc.

 901W Wall Street, Ste 100
 Midland, Texas 79705
 Tel (432) 692-4559
 Fax (432) 692-3946

| | | | |
|-------------------------------------|--|------------------------------------|--|
| Client Name: COG | | Site Manager: Clair Gonzales | |
| Project Name: RU Unit 108 (4.17.19) | | Project #: Pending | |
| Project Location: Eddy Co, NM | | Project #: Pending | |
| Invoice to: Attn: COG - Ike Tavarez | | Sampler Signature: Conner Moehring | |
| Receiving Laboratory: Cardinal | | Comments: | |

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | | | # CONTAINERS | FILTERED (Y/N) | |
|-------------------------|-----------------------|----------|------|--------|------|---------------------|------------------|-----|------|--------------|----------------|------------|
| | | DATE | TIME | WATER | SOIL | HCL | HNO ₃ | ICE | None | | | |
| | | | | | | | | | | | | YEAR: 2019 |
| 11 | Borehole #2 (4') | 7/11/19 | | X | | | | X | | | 1 | 2 |
| 12 | Borehole #2 (5') | | | X | | | | X | | | 1 | 2 |
| 13 | Borehole #2 (6') | | | X | | | | X | | | 1 | 2 |
| 14 | Borehole #2 (7') | | | X | | | | X | | | 1 | 2 |
| 15 | Borehole #3 (0-1') | | | X | | | | X | | | 1 | 2 |
| 16 | Borehole #3 (2') | | | X | | | | X | | | 1 | 2 |
| 17 | Borehole #3 (3') | | | X | | | | X | | | 1 | 2 |
| 18 | Borehole #3 (4') | | | X | | | | X | | | 1 | 2 |
| 19 | Borehole #3 (5') | | | X | | | | X | | | 1 | 2 |
| 20 | Borehole #3 (6') | | | X | | | | X | | | 1 | 2 |

| LAB USE ONLY | | REMARKS: | |
|-------------------------|--------------------------|--------------------------------------|-------------------------------------|
| STANDARD | <input type="checkbox"/> | RUSH: Same Day | <input checked="" type="checkbox"/> |
| Rush Charges Authorized | <input type="checkbox"/> | Special Report Limits or TRRP Report | <input type="checkbox"/> |

 ANALYSIS REQUEST
 (Circle or Specify Method No.)

 BTEX 8021B BTEX 8260B
 TPH TX1005 (Ext to C35)
 TPH 8015M (GRO - DRO - ORO - MRO)
 PAH 8270C
 Total Metals Ag As Ba Cd Cr Pb Se Hg
 TCLP Metals Ag As Ba Cd Cr Pb Se Hg
 TCLP Volatiles
 TCLP Semi Volatiles
 RCI
 GC/MS Vol. 8260B / 624
 GC/MS Semi. Vol. 8270C/625
 PCB's 8082 / 608
 NORM
 PLM (Asbestos)
 Chloride
 Chloride Sulfate TDS
 General Water Chemistry (see attached list)
 Anion/Cation Balance

Hold

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Analysis Request of Custody Record



Tetra Tech, Inc.

 901W Wall Street, Ste 100
 Midland, Texas 79705
 Tel (432) 682-4559
 Fax (432) 682-3946

| | | | | | | | |
|---------------------------------------|--|-----------------------|--|--------------------|--|-------------------------|--|
| Client Name: | | COG | | Site Manager: | | Clair Gonzales | |
| Project Name: | | RU Unit 108 (4.17.19) | | Project #: | | Pending | |
| Project Location: (country, state) | | Eddy Co, NM | | Invoice to: | | Attn: COG - Ike Taveres | |
| Receiving Laboratory: | | Cardinal | | Sampler Signature: | | Conner Moehring | |
| Comments: | | | | | | | |

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | | | # CONTAINERS | FILTERED (Y/N) | ANALYSIS REQUEST (Circle or Specify Method No.) | |
|-------------------------|-----------------------|----------|------|--------|------|---------------------|------------------|-----|------|--------------|----------------|--|--|
| | | DATE | TIME | WATER | SOIL | HCL | HNO ₃ | ICE | None | | | | |
| | | | | | | | | | | | | | YEAR: 2019 |
| 21 | Borehole #3 (7') | 7/1/19 | | X | | | | X | | | 1 | 2 | BTEX 8021B BTEX 8260B TPH TX1005 (Ext to C35) TPH 8015M (GRO - DRO - ORO - MRO) PAH 8270C Total Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles TCLP Semi Volatiles RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) Chloride Chloride Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance |
| 22 | Borehole #3 (8') | | | X | | | | X | | | 1 | 2 | |
| 23 | Borehole #3 (4') | | | X | | | | X | | | 1 | 2 | |
| 24 | Borehole #4 (0-1') | | | X | | | | X | | | 1 | 2 | |
| 25 | Borehole #4 (2') | | | X | | | | X | | | 1 | 2 | |
| 26 | Borehole #4 (3') | | | X | | | | X | | | 1 | 2 | |
| 27 | Borehole #4 (4') | | | X | | | | X | | | 1 | 2 | |
| 28 | Borehole #4 (5') | | | X | | | | X | | | 1 | 2 | |
| 29 | Borehole #4 (6') | | | X | | | | X | | | 1 | 2 | |
| 30 | Borehole #5 (0-1') | 7/2/19 | | X | | | | X | | | 1 | 2 | |

| | | | | | |
|------------------|---------|-------|-----------------|--------|-------|
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |
| Conner Moehring | 7/31/19 | | Conner Moehring | 7-3-19 | 12:15 |
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |
| | | | | | |

| | | | | | |
|------------------|-------|-------|--------------|-------|-------|
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |
| | | | | | |

| | |
|--------------|--|
| LAB USE ONLY | REMARKS: |
| 34°C | <input type="checkbox"/> STANDARD <input checked="" type="checkbox"/> RUSH: Same Day (24 hr) 48 hr 72 hr <input type="checkbox"/> Rush Charges Authorized <input type="checkbox"/> Special Report Limits or TRRP Report |

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Analysis Request of Custody Record



Tetra Tech, Inc.

 901W Wall Street, Ste 100
 Midland, Texas 79705
 Tel (432) 682-4559
 Fax (432) 682-9946

| | | | |
|--|--|--------------------------------------|--|
| Client Name: COG | | Site Manager: Clair Gonzales | |
| Project Name: RU Unit 108 (4.17.19) | | Project #: Pending | |
| Project Location: Eddy Co, NM (county, state) | | Invoice to: Athn: COG - Ike Taverrez | |
| Receiving Laboratory: Cardinal | | Sampler Signature: Conner Moehring | |
| Comments: | | | |

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | FILTERED (Y/N) | | |
|-------------------------|-----------------------|------------|------|--------|------|---------------------|------------------|--------------|----------------|-----|------|
| | | DATE | TIME | WATER | SOIL | HCL | HNO ₃ | | | ICE | None |
| | | YEAR: 2019 | | | | | | | | | |
| 31 | Borehole #5 (2') | 7/2/19 | | X | | | X | | 1 | | |
| 32 | Borehole #5 | | | | | | | | 2 | | |
| 33 | Borehole #5 | | | | | | | | | | |
| 34 | Borehole #5 | | | | | | | | | | |
| 35 | Borehole #5 | | | | | | | | | | |
| 36 | Borehole #5 | | | | | | | | | | |
| 37 | Borehole #5 | | | | | | | | | | |
| 38 | Borehole #5 | | | | | | | | | | |
| 39 | Borehole #5 | | | | | | | | | | |
| 40 | Borehole #5 | | | | | | | | | | |

| LAB USE ONLY | | REMARKS: | |
|--------------------|-------|--|--|
| Sample Temperature | 3.4°C | <input type="checkbox"/> STANDARD | <input checked="" type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr |
| | | <input type="checkbox"/> Rush Charges Authorized | <input type="checkbox"/> Special Report Limits or TRRP Report |

| ANALYSIS REQUEST (Circle or Specify Method No.) | |
|--|------------|
| BTEX 8021B | BTEX 8260B |
| TPH TX1005 (Ext to C35) | |
| TPH 8015M (GRO - DRO - ORO - MRO) | |
| PAH 8270C | |
| Total Metals Ag As Ba Cd Cr Pb Se Hg | |
| TCLP Metals Ag As Ba Cd Cr Pb Se Hg | |
| TCLP Volatiles | |
| TCLP Semi Volatiles | |
| RCI | |
| GC/MS Vol. 8260B / 624 | |
| GC/MS Semi. Vol. 8270C/625 | |
| PCB's 8082 / 608 | |
| NORM | |
| PLM (Asbestos) | |
| Chloride | |
| Chloride Sulfate TDS | |
| General Water Chemistry (see attached list) | |
| Anion/Cation Balance | |
| Hold | |

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Analysis Request of Custody Record



Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:

COG

Site Manager:

Clair Gonzales

Project Name:

RU Unit 108 (4.17.19)

Project Location:
(county, state)

Eddy Co, NM

Project #:

Pending

Invoice to:

Attn: COG - Ike Taveres

Receiving Laboratory:

Cardinal

Sampler Signature:

Conner Moehring

Comments:

LAB #

LAB USE ONLY

SAMPLE IDENTIFICATION

SAMPLING

YEAR: 2019

DATE

TIME

MATRIX

PRESERVATIVE METHOD

WATER

SOIL

HCL

HNO₃

ICE

None

CONTAINERS

FILTERED (Y/N)

BTEX 8021B BTEX 8260B

TPH TX1005 (Ext to C35)

TPH 8015M (GRO - DRO - ORO - MRO)

PAH 8270C

Total Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC/MS Vol. 8260B / 624

GC/MS Semi. Vol. 8270C/625

PCB's 8082 / 608

NORM

PLM (Asbestos)

Chloride

Chloride Sulfate TDS

General Water Chemistry (see attached list)

Anion/Cation Balance

Hold

ANALYSIS REQUEST

(Circle or Specify Method No.)

Relinquished by:

Eddy County

Date: Time:

7/3/19

Received by:

Teresa Alvarado

Date: Time:

7-31-19 12:15

Relinquished by:

Eddy County

Date: Time:

7/3/19

Received by:

Teresa Alvarado

Date: Time:

7-31-19 12:15

Relinquished by:

Eddy County

Date: Time:

7/3/19

Received by:

Teresa Alvarado

Date: Time:

7-31-19 12:15

REMARKS:

STANDARD

☒ RUSH: Same Day 24 hr 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

LAB USE ONLY

Sample Temperature

#97

3.4°C

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

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Analysis Request of Custody Record



Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

| | | | |
|-------------------------------------|--|------------------------------------|--|
| Client Name: COG | | Site Manager: Clair Gonzales | |
| Project Name: RU Unit 108 (4.17.19) | | Project #: Pending | |
| Project Location: Eddy Co, NM | | Project #: Pending | |
| Invoice to: Attn: COG - Ike Taveres | | Sampler Signature: Corner Moehring | |
| Receiving Laboratory: Cardinal | | Comments: | |

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | FILTERED (Y/N) | | |
|-------------------------|-----------------------|------------|------|--------|------|---------------------|------------------|--------------|----------------|-----|------|
| | | DATE | TIME | WATER | SOIL | HCL | HNO ₃ | | | ICE | None |
| | | YEAR: 2019 | | | | | | | | | |
| 51 | Borehole # 6 (13') | 7/2/19 | | X | | | X | | 1 | | |
| 52 | Borehole # 6 (14') | | | | | | | | 2 | | |
| 53 | Borehole # 6 (15') | | | | | | | | | | |
| 54 | Borehole # 7 (0-1') | | | | | | | | | | |
| 55 | Borehole # 7 2' | | | | | | | | | | |
| 56 | Borehole # 7 3' | | | | | | | | | | |
| 57 | Borehole # 7 4' | | | | | | | | | | |
| 58 | Borehole # 7 5' | | | | | | | | | | |
| 59 | Borehole # 7 6' | | | | | | | | | | |
| 60 | Borehole # 7 7' | | | | | | | | | | |

| LAB USE ONLY | REMARKS: |
|---|----------|
| <input type="checkbox"/> STANDARD | |
| <input checked="" type="checkbox"/> RUSH: Same Day | |
| <input type="checkbox"/> Rush Charges Authorized | |
| <input type="checkbox"/> Special Report Limits or TRRP Report | |

| ANALYSIS REQUEST (Circle or Specify Method No.) |
|--|
| BTEX 8021B BTEX 8260B |
| TPH TX1005 (Ext to C35) |
| TPH 8015M (GRO - DRO - ORO - MRO) |
| PAH 8270C |
| Total Metals Ag As Ba Cd Cr Pb Se Hg |
| TCLP Metals Ag As Ba Cd Cr Pb Se Hg |
| TCLP Volatiles |
| TCLP Semi Volatiles |
| RCI |
| GC/MS Vol. 8260B / 624 |
| GC/MS Semi. Vol. 8270C/625 |
| PCB's 8082 / 608 |
| NORM |
| PLM (Asbestos) |
| Chloride |
| Chloride Sulfate TDS |
| General Water Chemistry (see attached list) |
| Anion/Cation Balance |

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Analysis Request of Custody Record



Tetra Tech, Inc.

 901 W Wall Street, Ste 100
 Midland, Texas 79705
 Tel (432) 682-4559
 Fax (432) 682-3946

| | | | | | | | |
|--------------------------------------|--|-------------------------|--|--------------------|--|-----------------|--|
| Client Name: | | COG | | Site Manager: | | Clair Gonzales | |
| Project Name: | | RJ Unit 108 (4.17.19) | | Project #: | | Pending | |
| Project Location: (county, state) | | Eddy Co, NM | | Project #: | | Pending | |
| Invoice to: | | Attn: COG - Ike Taveres | | Sampler Signature: | | Conner Moehring | |
| Receiving Laboratory: | | Cardinal | | Comments: | | | |

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | FILTERED (Y/N) | | | |
|-------------------------|-----------------------|------------|--------|--------|-------|---------------------|-----|--------------|----------------|------------------|-----|------|
| | | YEAR: 2019 | DATE | TIME | WATER | SOIL | HCL | | | HNO ₃ | ICE | None |
| | | | | | | | | | | | | |
| 601 | Booth hole # 8 (0-1') | | 7/2/19 | | X | | | X | | 1 | 2 | |
| 602 | | | | | | | | | | | | |
| 603 | | | | | | | | | | | | |
| 604 | | | | | | | | | | | | |
| 605 | | | | | | | | | | | | |
| 606 | | | | | | | | | | | | |
| 607 | | | | | | | | | | | | |
| 608 | | | | | | | | | | | | |
| 609 | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | |

| LAB USE ONLY | | REMARKS: | |
|-----------------------------------|--|--|---|
| <input type="checkbox"/> STANDARD | <input checked="" type="checkbox"/> RUSH: Same Day | <input type="checkbox"/> Rush Charges Authorized | <input type="checkbox"/> Special Report Limits or TRRP Report |

| ANALYSIS REQUEST (Circle or Specify Method No.) | |
|--|------------|
| BTEX 8021B | BTEX 8260B |
| TPH TX1005 (Ext to C35) | |
| TPH 8015M (GRO - DRO - ORO - MRO) | |
| PAH 8270C | |
| Total Metals Ag As Ba Cd Cr Pb Se Hg | |
| TCLP Metals Ag As Ba Cd Cr Pb Se Hg | |
| TCLP Volatiles | |
| TCLP Semi Volatiles | |
| RCI | |
| GC/MS Vol. 8260B / 624 | |
| GC/MS Semi. Vol. 8270C/625 | |
| PCB's 8082 / 608 | |
| NORM | |
| PLM (Asbestos) | |
| Chloride | |
| Chloride Sulfate TDS | |
| General Water Chemistry (see attached list) | |
| Anion/Cation Balance | |
| Hold | |

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(Circle) HAND DELIVERED FEDEX UPS Tracking #:

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

| | | | |
|--------------------------------------|-------------------------|--------------------|-----------------|
| Client Name: | COG | Site Manager: | Clair Gonzales |
| Project Name: | RJ Unit 108 (4.17.19) | | |
| Project Location: (county, state) | Eddy Co, NM | Project #: | Pending |
| Invoice to: | Attn: COG - Ike Taveres | | |
| Receiving Laboratory: | Cardinal | Sampler Signature: | Conner Moehring |
| Comments: | | | |

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | FILTERED (Y/N) | | |
|-------------------------|-----------------------|----------|------|--------|------|---------------------|------------------|--------------|----------------|-----|------|
| | | DATE | TIME | WATER | SOIL | HCL | HNO ₃ | | | ICE | None |
| | | | | | | | | | | | |
| 71 | Borehole # 8 (11') | 7/2/19 | | X | | | X | | 1 | | |
| 72 | (12') | | | | | | | | 2 | | |
| 73 | (13') | | | | | | | | | | |
| 74 | (14') | | | | | | | | | | |
| 75 | Borehole # 9 (10-1') | | | | | | | | | | |
| 76 | 2' | | | | | | | | | | |
| 77 | 3' | | | | | | | | | | |
| 78 | 4' | | | | | | | | | | |
| 79 | 5' | | | | | | | | | | |
| 80 | 6' | | | | | | | | | | |

| LAB USE ONLY | REMARKS: |
|--|----------|
| <input type="checkbox"/> STANDARD | |
| <input checked="" type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr | |
| <input type="checkbox"/> Rush Charges Authorized | |
| <input type="checkbox"/> Special Report Limits or TRRP Report | |

| ANALYSIS REQUEST (Circle or Specify Method No.) |
|--|
| BTEX 8021B BTEX 8260B |
| TPH TX1005 (Ext to C35) |
| TPH 8015M (GRO - DRO - ORO - MRO) |
| PAH 8270C |
| Total Metals Ag As Ba Cd Cr Pb Se Hg |
| TCLP Metals Ag As Ba Cd Cr Pb Se Hg |
| TCLP Volatiles |
| TCLP Semi Volatiles |
| RCI |
| GC/MS Vol. 8260B / 624 |
| GC/MS Semi. Vol. 8270C/625 |
| PCB's 8082 / 608 |
| NORM |
| PLM (Asbestos) |
| Chloride |
| Chloride Sulfate TDS |
| General Water Chemistry (see attached list) |
| Anion/Cation Balance |
| Hold |

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

 901W Wall Street, Ste 100
 Midland, Texas 79705
 Tel (432) 682-4559
 Fax (432) 682-3946

| | | | | | | | |
|--------------------------------------|--|--------------------------|--|--------------------|--|-----------------|--|
| Client Name: | | COG | | Site Manager: | | Clair Gonzales | |
| Project Name: | | RJ Unit 108 (4.17.19) | | | | | |
| Project Location: (county, state) | | Eddy Co, NM | | Project #: | | Pending | |
| Invoice to: | | Attn: COG - Ike Taveriez | | Sampler Signature: | | Conner Moehring | |
| Receiving Laboratory: | | Cardinal | | Comments: | | | |

| LAB USE ONLY | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | FILTERED (Y/N) | | |
|--------------|-----------------------|----------|------|--------|------|---------------------|------------------|--------------|----------------|-----|------|
| | | DATE | TIME | WATER | SOIL | HCL | HNO ₃ | | | ICE | None |
| | | | | | | | | | | | |
| 81 | Borehole # 9 (7') | 7/21/19 | | X | | | | | 1 | | |
| 82 | | | | | | | | | 2 | | |
| 83 | | | | | | | | | | | |
| 84 | Borehole # 10 (6-1') | | | | | | | | | | |
| 85 | | | | | | | | | | | |
| 86 | | | | | | | | | | | |
| 87 | | | | | | | | | | | |
| 88 | | | | | | | | | | | |
| 89 | | | | | | | | | | | |
| 90 | | | | | | | | | | | |

| LAB USE ONLY | | REMARKS: | |
|--------------------------------------|-------|----------|--|
| STANDARD | | | |
| RUSH: Same Day | 24 hr | | |
| Rush Charges Authorized | | | |
| Special Report Limits or TRRP Report | | | |

| ANALYSIS REQUEST (Circle or Specify Method No.) | |
|--|------------|
| BTEX 8021B | BTEX 8260B |
| TPH TX1005 (Ext to C35) | |
| TPH 8015M (GRO - DRO - ORO - MRO) | |
| PAH 8270C | |
| Total Metals Ag As Ba Cd Cr Pb Se Hg | |
| TCLP Metals Ag As Ba Cd Cr Pb Se Hg | |
| TCLP Volatiles | |
| TCLP Semi Volatiles | |
| RCI | |
| GC/MS Vol. 8260B / 624 | |
| GC/MS Semi. Vol. 8270C/625 | |
| PCB's 8082 / 608 | |
| NORM | |
| PLM (Asbestos) | |
| Chloride | |
| Chloride Sulfate TDS | |
| General Water Chemistry (see attached list) | |
| Anion/Cation Balance | |

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

July 05, 2019

CLAIR GONZALES

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: RJ UNIT #108

Enclosed are the results of analyses for samples received by the laboratory on 07/03/19 12:15.

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 accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Mike Snyder For Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/03/2019
 Reported: 07/05/2019
 Project Name: RJ UNIT #108
 Project Number: (4/17/19)
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/02/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 10 (7') (H902292-01)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 752 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: BORE HOLE # 10 (8') (H902292-02)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 14000 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: BORE HOLE # 10 (9') (H902292-03)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 17600 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: BORE HOLE # 11 (0-1') (H902292-05)

| Chloride, 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 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | |

Cardinal Laboratories

*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/03/2019
Reported: 07/05/2019
Project Name: RJ UNIT #108
Project Number: (4/17/19)
Project Location: COG - EDDY CO NM

Sampling Date: 07/02/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 11 (2') (H902292-06)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: BORE HOLE # 11 (3') (H902292-07)

| 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 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: BORE HOLE # 11 (4') (H902292-08)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 800 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: BORE HOLE # 11 (5') (H902292-09)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1440 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: BORE HOLE # 11 (6') (H902292-10)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1920 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | |

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/03/2019
 Reported: 07/05/2019
 Project Name: RJ UNIT #108
 Project Number: (4/17/19)
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/02/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 11 (7') (H902292-11)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 720 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: BORE HOLE # 11 (8') (H902292-12)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 496 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: BORE HOLE # 11 (9') (H902292-13)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: BORE HOLE # 12 (0-1') (H902292-15)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: BORE HOLE # 12 (2') (H902292-16)

| Chloride, SM4500Cl-B | | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 320 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | | |

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/03/2019
Reported: 07/05/2019
Project Name: RJ UNIT #108
Project Number: (4/17/19)
Project Location: COG - EDDY CO NM

Sampling Date: 07/01/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 12 (3') (H902292-17)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: BORE HOLE # 12 (4') (H902292-18)

| 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 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: BORE HOLE # 12 (5') (H902292-19)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 9800 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | QM-07 |

Sample ID: BORE HOLE # 12 (6') (H902292-20)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 13600 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |


Sample ID: BORE HOLE # 12 (7') (H902292-21)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 5330 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/03/2019
 Reported: 07/05/2019
 Project Name: RJ UNIT #108
 Project Number: (4/17/19)
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/01/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 12 (8') (H902292-22)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 672 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: BORE HOLE # 12 (9') (H902292-23)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 512 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: BORE HOLE # 13 (0-1') (H902292-24)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: BORE HOLE # 13 (2') (H902292-25)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: BORE HOLE # 13 (3') (H902292-26)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 736 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

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*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/03/2019
 Reported: 07/05/2019
 Project Name: RJ UNIT #108
 Project Number: (4/17/19)
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/02/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 13 (4') (H902292-27)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3320 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: BORE HOLE # 13 (5') (H902292-28)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 6000 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: BORE HOLE # 13 (6') (H902292-29)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 8660 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: BORE HOLE # 13 (7') (H902292-30)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 336 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: BORE HOLE # 13 (8') (H902292-31)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4400 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/03/2019
 Reported: 07/05/2019
 Project Name: RJ UNIT #108
 Project Number: (4/17/19)
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/02/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 13 (9') (H902292-32)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 752 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: BORE HOLE # 13 (10') (H902292-33)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 784 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: BORE HOLE # 14 (0-1') (H902292-34)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: BORE HOLE # 14 (2') (H902292-35)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: BORE HOLE # 14 (3') (H902292-36)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/03/2019
 Reported: 07/05/2019
 Project Name: RJ UNIT #108
 Project Number: (4/17/19)
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/01/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 14 (4') (H902292-37)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: BORE HOLE # 14 (5') (H902292-38)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 0.00 | |

Sample ID: BORE HOLE # 14 (6') (H902292-39)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: BORE HOLE # 15 (0-1') (H902292-40)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4320 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: BORE HOLE # 15 (2') (H902292-41)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4080 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 3.77 | |

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/03/2019
 Reported: 07/05/2019
 Project Name: RJ UNIT #108
 Project Number: (4/17/19)
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/01/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 15 (3') (H902292-42)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4160 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: BORE HOLE # 15 (4') (H902292-43)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1040 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: BORE HOLE # 15 (5') (H902292-44)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 256 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: BORE HOLE # 15 (6') (H902292-45)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: BORE HOLE # 15 (7') (H902292-46)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1490 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 3.77 | |

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Analytical Results For:

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

Received: 07/03/2019
Reported: 07/05/2019
Project Name: RJ UNIT #108
Project Number: (4/17/19)
Project Location: COG - EDDY CO NM

Sampling Date: 07/01/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 15 (8') (H902292-47)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: BORE HOLE # 15 (9') (H902292-48)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 336 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: BORE HOLE # 16 (0-1') (H902292-49)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: BORE HOLE # 16 (2') (H902292-50)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: BORE HOLE # 16 (3') (H902292-51)

| Chloride, 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 | 07/05/2019 | ND | 416 | 104 | 400 | 3.77 | |

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Analytical Results For:

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

 Received: 07/03/2019
 Reported: 07/05/2019
 Project Name: RJ UNIT #108
 Project Number: (4/17/19)
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/01/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 16 (4') (H902292-52)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: BORE HOLE # 16 (5') (H902292-53)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: BORE HOLE # 16 (6') (H902292-54)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: BORE HOLE # 17 (0-1') (H902292-55)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3160 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: BORE HOLE # 17 (2') (H902292-56)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 5520 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 3.77 | |

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Analytical Results For:

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

 Received: 07/03/2019
 Reported: 07/05/2019
 Project Name: RJ UNIT #108
 Project Number: (4/17/19)
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/02/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 17 (3') (H902292-57)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 8240 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: BORE HOLE # 17 (4') (H902292-58)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 9600 | 16.0 | 07/05/2019 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: BORE HOLE # 17 (5') (H902292-59)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 10100 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | QM-07 |

Sample ID: BORE HOLE # 17 (6') (H902292-60)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 19800 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: BORE HOLE # 17 (7') (H902292-61)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 18800 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | |

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Analytical Results For:

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

 Received: 07/03/2019
 Reported: 07/05/2019
 Project Name: RJ UNIT #108
 Project Number: (4/17/19)
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/02/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 17 (8') (H902292-62)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 848 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: BORE HOLE # 17 (9') (H902292-63)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: BORE HOLE # 17 (10') (H902292-64)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: BORE HOLE # 17 (11') (H902292-65)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 14000 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: BORE HOLE # 17 (12') (H902292-66)

| Chloride, SM4500Cl-B | | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 416 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | | |

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Analytical Results For:

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

 Received: 07/03/2019
 Reported: 07/05/2019
 Project Name: RJ UNIT #108
 Project Number: (4/17/19)
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/02/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 17 (13') (H902292-67)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1090 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: BORE HOLE # 17 (14') (H902292-68)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2960 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: BORE HOLE # 18 (0-1') (H902292-69)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2480 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: BORE HOLE # 18 (2') (H902292-70)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 8400 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: BORE HOLE # 18 (3') (H902292-71)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 13000 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | |

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/03/2019
Reported: 07/05/2019
Project Name: RJ UNIT #108
Project Number: (4/17/19)
Project Location: COG - EDDY CO NM

Sampling Date: 07/02/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 18 (4') (H902292-72)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 8130 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: BORE HOLE # 18 (5') (H902292-73)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1440 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: BORE HOLE # 18 (6') (H902292-74)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 2080 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | | |

Sample ID: BORE HOLE # 18 (7') (H902292-75)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1070 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | | |

Sample ID: BORE HOLE # 18 (8') (H902292-76)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 6800 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | |

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/03/2019
 Reported: 07/05/2019
 Project Name: RJ UNIT #108
 Project Number: (4/17/19)
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/02/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 18 (9') (H902292-77)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1360 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: BORE HOLE # 18 (10') (H902292-78)

| Chloride, 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 | 07/05/2019 | ND | 400 | 100 | 400 | 0.00 | |

Sample ID: BORE HOLE # 18 (11') (H902292-79)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 624 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | QM-07 | |

Sample ID: BORE HOLE # 18 (12') (H902292-80)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1790 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 18 (13') (H902292-81)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 896 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | | |

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/03/2019
Reported: 07/05/2019
Project Name: RJ UNIT #108
Project Number: (4/17/19)
Project Location: COG - EDDY CO NM

Sampling Date: 07/02/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 18 (14') (H902292-82)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 640 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 18 (15') (H902292-83)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 800 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 19 (0-1') (H902292-84)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 19 (2') (H902292-85)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3280 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 19 (3') (H902292-86)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 5200 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/03/2019
 Reported: 07/05/2019
 Project Name: RJ UNIT #108
 Project Number: (4/17/19)
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/02/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 19 (4') (H902292-87)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4560 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 19 (5') (H902292-88)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 7360 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 19 (6') (H902292-89)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 7600 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 19 (7') (H902292-90)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 8000 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

 901W Wall Street, Ste 100
 Midland, Texas 79705
 Tel (432) 582-4559
 Fax (432) 682-3946

| | | | | | | | |
|--------------------------------------|--|-------------------------|--|--------------------|--|-----------------|--|
| Client Name: | | COG | | Site Manager: | | Clair Gonzales | |
| Project Name: | | RU Unit 108 (4.17.19) | | | | | |
| Project Location: (county, state) | | Eddy Co, NM | | Project #: | | Pending | |
| Invoice to: | | Attn: COG - Ike Taveres | | Sampler Signature: | | Conner Moehring | |
| Receiving Laboratory: | | Cardinal | | Comments: | | | |

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | FILTERED (Y/N) | ANALYSIS REQUEST (Circle or Specify Method No.) | | |
|-------------------------|-----------------------|----------|------|--------|------|---------------------|------------------|--------------|----------------|--|-----|------|
| | | DATE | TIME | WATER | SOIL | HCL | HNO ₃ | | | | ICE | None |
| | | | | | | | | | | | | |
| 1 | Borehole #10 (7') | 7/2/19 | | X | | | | | 1 | BTEX 8021B BTEX 8260B | | |
| 2 | 8' | | | | | | | | 2 | TPH TX1005 (Ext to C35) | | |
| 3 | 4' | | | | | | | | | TPH 8015M (GRO - DRO - ORO - MRO) | | |
| 4 | 10' | | | | | | | | | PAH 8270C | | |
| 5 | Borehole #11 (0-1') | | | | | | | | | Total Metals Ag As Ba Cd Cr Pb Se Hg | | |
| 6 | 2' | | | | | | | | | TCLP Metals Ag As Ba Cd Cr Pb Se Hg | | |
| 7 | 3' | | | | | | | | | TCLP Volatiles | | |
| 8 | 4' | | | | | | | | | TCLP Semi Volatiles | | |
| 9 | 5' | | | | | | | | | RCI | | |
| 10 | 6' | | | | | | | | | GC/MS Vol. 8260B / 624 | | |
| | | | | | | | | | | GC/MS Semi. Vol. 8270C/625 | | |
| | | | | | | | | | | PCB's 8082 / 608 | | |
| | | | | | | | | | | NORM | | |
| | | | | | | | | | | PLM (Asbestos) | | |
| | | | | | | | | | | Chloride | | |
| | | | | | | | | | | Chloride Sulfate TDS | | |
| | | | | | | | | | | General Water Chemistry (see attached list) | | |
| | | | | | | | | | | Anion/Cation Balance | | |
| | | | | | | | | | | Hold | | |

| | | | | | |
|------------------|--------|-------|----------------|--------|-------|
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |
| Conner Moehring | 7/3/19 | | Clair Gonzales | 7-3-19 | 12:15 |
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |
| | | | | | |

| | |
|--|-----------------------------------|
| LAB USE ONLY | REMARKS: |
| <input type="checkbox"/> STANDARD <input checked="" type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr <input type="checkbox"/> Rush Charges Authorized <input type="checkbox"/> Special Report Limits or TRRP Report | Sample Temperature #97 3.42 |

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(Circle) HAND DELIVERED FEDEX UPS Tracking #:

Analysis Request of Custody Record



Tetra Tech, Inc.

 901W Wall Street, Ste 100
 Midland, Texas 79705
 Tel (432) 682-4559
 Fax (432) 682-3946

| | | | | | | | |
|--------------------------------------|--|-------------------------|--|--------------------|--|-----------------|--|
| Client Name: | | COG | | Site Manager: | | Clair Gonzales | |
| Project Name: | | RJ Unit 108 (4.17.19) | | | | | |
| Project Location: (county, state) | | Eddy Co, NM | | Project #: | | Pending | |
| Invoice to: | | Attn: COG - Ike Tavarez | | | | | |
| Receiving Laboratory: | | Cardinal | | Sampler Signature: | | Conner Moehring | |
| Comments: | | | | | | | |

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | FILTERED (Y/N) | ANALYSIS REQUEST (Circle or Specify Method No.) | | |
|-------------------------|-----------------------|----------|------|--------|------|---------------------|------------------|--------------|----------------|--|-----|------|
| | | DATE | TIME | WATER | SOIL | HCL | HNO ₃ | | | | ICE | None |
| | | | | | | | | | | | | |
| 11 | Borehole #11 (7'1) | 7/23/19 | | X | | | X | | 1 | | | |
| 12 | | | | | | | | | 2 | | | |
| 13 | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | |
| 15 | Borehole #12 (0-1') | 7/11/19 | | | | | | | | | | |
| 16 | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | |

| | | | | | |
|-----------------|---------|-------|-------------------|---------|-------|
| Reinquished by: | Date: | Time: | Received by: | Date: | Time: |
| Conner Moehring | 7/31/19 | | Jessica Rodriguez | 7/31/19 | 2:15 |
| Reinquished by: | Date: | Time: | Received by: | Date: | Time: |
| | | | | | |

| | | | | | |
|-----------------|-------|-------|--------------|-------|-------|
| Reinquished by: | Date: | Time: | Received by: | Date: | Time: |
| | | | | | |

| | |
|--|--|
| LAB USE ONLY | REMARKS: |
| <input type="checkbox"/> STANDARD <input checked="" type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr <input type="checkbox"/> Rush Charges Authorized <input type="checkbox"/> Special Report Limits or TRRP Report | BTEX 8021B BTEX 8260B TPH TX1005 (Ext to C35) TPH 8015M (GRO - DRO - ORO - MRO) PAH 8270C Total Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles TCLP Semi Volatiles RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) Chloride Chloride Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance Hold |

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Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

 901W Wall Street, Ste 100
 Midland, Texas 79705
 Tel (432) 682-4559
 Fax (432) 682-3946

| | | | |
|-------------------------------------|--|------------------------------------|--|
| Client Name: COG | | Site Manager: Clair Gonzales | |
| Project Name: RU Unit 108 (4.17.19) | | Project #: Pending | |
| Project Location: Eddy Co, NM | | Project #: Pending | |
| Invoice to: Attn: COG - Ike Taveres | | Sampler Signature: Conner Moehring | |
| Receiving Laboratory: Cardinal | | Comments: | |

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | |
|-------------------------|-----------------------|----------|------|--------|------|---------------------|------------------|--------------|------|----------------|---|
| | | DATE | TIME | WATER | SOIL | HCL | HNO ₃ | ICE | None | 1 | 2 |
| | | | | | | | | | | | |
| 21 | Borehole #12 (7') | 7/1/19 | | X | | | | X | | | |
| 22 | | | | | | | | | | | |
| 23 | | | | | | | | | | | |
| 24 | Borehole #13 (0-1') | 7/2/19 | | | | | | | | | |
| 25 | | | | | | | | | | | |
| 26 | | | | | | | | | | | |
| 27 | | | | | | | | | | | |
| 28 | | | | | | | | | | | |
| 29 | | | | | | | | | | | |
| 30 | | | | | | | | | | | |

| | | | |
|--------------|----------|--|--|
| LAB USE ONLY | REMARKS: | ANALYSIS REQUEST (Circle or Specify Method No.) | |
| | | BTEX 8021B BTEX 8260B TPH TX1005 (Ext to C35) TPH 8015M (GRO - DRO - ORO - MRO) PAH 8270C Total Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles TCLP Semi Volatiles RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) Chloride Chloride Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance | |

| | |
|---|---|
| Relinquished by: <i>Carrie Moyer</i> Date: 7/3/19 Time: | Received by: <i>James A. Black</i> Date: 7-3-19 Time: 12:15 |
| Relinquished by: Date: Time: | Received by: Date: Time: |

Relinquished by: Date: Time:

Received by: Date: Time:

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 LAB USE ONLY
 Sample Temperature
 #97
 3.4°C
 REMARKS:
☐ STANDARD
☒ RUSH: Same Day (24 hr) 48 hr 72 hr
☐ Rush Charges Authorized
☐ Special Report Limits or TRRP Report

Analysis Request of Custody Record



Tetra Tech, Inc.

 901W Wall Street, Ste 100
 Midland, Texas 79705
 Tel (432) 682-4559
 Fax (432) 682-3946

| | | | |
|-------------------------------------|--|------------------------------------|--|
| Client Name: COG | | Site Manager: Clair Gonzales | |
| Project Name: RU Unit 108 (4.17.19) | | | |
| Project Location: Eddy Co, NM | | Project #: Pending | |
| Invoice to: Attn: COG - Ike Tavarez | | Sampler Signature: Conner Moehring | |
| Receiving Laboratory: Cardinal | | Comments: | |

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | FILTERED (Y/N) | | |
|-------------------------|-----------------------|----------|------|--------|------|---------------------|------------------|--------------|----------------|-----|------|
| | | DATE | TIME | WATER | SOIL | HCL | HNO ₃ | | | ICE | None |
| | | | | | | | | | | | |
| 31 | Borehole # 13 (8') | 7/2/14 | | X | | | X | | 1 | 2 | |
| 32 | 9' | | | | | | | | | | |
| 33 | 10' | | | | | | | | | | |
| 34 | Borehole # 14 (0-1') | 7/1/15 | | | | | | | | | |
| 35 | 2' | | | | | | | | | | |
| 36 | 3' | | | | | | | | | | |
| 37 | 4' | | | | | | | | | | |
| 38 | 5' | | | | | | | | | | |
| 39 | 6' | | | | | | | | | | |
| 40 | Borehole # 15 (0-1') | | | | | | | | | | |

| LAB USE ONLY | REMARKS: |
|--|----------|
| <input type="checkbox"/> STANDARD | |
| <input checked="" type="checkbox"/> RUSH: Same Day (24 hr) 48 hr 72 hr | |
| <input type="checkbox"/> Rush Charges Authorized | |
| <input type="checkbox"/> Special Report Limits or TRRP Report | |

| ANALYSIS REQUEST (Circle or Specify Method No.) | |
|--|------------|
| BTEX 8021B | BTEX 8260B |
| TPH TX1005 (Ext to C35) | |
| TPH 8015M (GRO - DRO - ORO - MRO) | |
| PAH 8270C | |
| Total Metals Ag As Ba Cd Cr Pb Se Hg | |
| TCLP Metals Ag As Ba Cd Cr Pb Se Hg | |
| TCLP Volatiles | |
| TCLP Semi Volatiles | |
| RCI | |
| GC/MS Vol. 8260B / 624 | |
| GC/MS Semi. Vol. 8270C/625 | |
| PCB's 8082 / 608 | |
| NORM | |
| PLM (Asbestos) | |
| Chloride | |
| Chloride Sulfate TDS | |
| General Water Chemistry (see attached list) | |
| Anion/Cation Balance | |
| Hold | |

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(Circle) HAND DELIVERED FEDEX UPS Tracking #:

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

| | | | | | | | |
|--------------------------------------|--|-------------------------|--|--------------------|--|-----------------|--|
| Client Name: | | COG | | Site Manager: | | Clair Gonzales | |
| Project Name: | | RJ Unit 108 (4.17.19) | | | | | |
| Project Location: (county, state) | | Eddy Co, NM | | Project #: | | Pending | |
| Invoice to: | | Attn: COG - Ike Taveres | | | | | |
| Receiving Laboratory: | | Cardinal | | Sampler Signature: | | Conner Moehring | |
| Comments: | | | | | | | |

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | FILTERED (Y/N) | ANALYSIS REQUEST (Circle or Specify Method No.) | | | |
|-------------------------|-----------------------|------------|-----------------|--------|-------|---------------------|-----|--------------|----------------|--|------------------|-----|------|
| | | YEAR: 2019 | DATE | TIME | WATER | SOIL | HCL | | | | HNO ₃ | ICE | None |
| | | 41 | Booth # 15 (2') | 7/1/19 | | | | | | | | | |
| 42 | 3' | | | | X | | | | | | | | |
| 43 | 4' | | | | | | | | | | | | |
| 44 | 5' | | | | | | | | | | | | |
| 45 | 6' | | | | | | | | | | | | |
| 46 | 7' | | | | | | | | | | | | |
| 47 | 8' | | | | | | | | | | | | |
| 48 | 9' | | | | | | | | | | | | |
| 49 | Booth # 16 (0-1') | | | | | | | | | | | | |
| 50 | 2' | | | | | | | | | | | | |

| | | | | | |
|------------------|--------|-------|------------------|--------|-------|
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |
| Conner Moehring | 7/3/19 | | Jamara Delatorre | 7-3-19 | 12:15 |
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |
| | | | | | |

| | | | | | |
|------------------|-------|-------|--------------|-------|-------|
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |
| | | | | | |

| | | | | | |
|--------------------------------------|----------|--------------------------|-------------------------------------|--------------------------|--------------------------|
| LAB USE ONLY | REMARKS: | STANDARD | RUSH: Same Day (24 hr) | 48 hr | 72 hr |
| | | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sample Temperature | | #3.4° | | | |
| Special Report Limits or TRRP Report | | <input type="checkbox"/> | | | |

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(Circle) HAND DELIVERED FEDEX UPS Tracking #:

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

| | | | | | | | |
|--------------------------------------|--|-------------------------|--|--------------------|--|-----------------|--|
| Client Name: | | COG | | Site Manager: | | Clair Gonzales | |
| Project Name: | | RJ Unit 108 (4.17.19) | | | | | |
| Project Location: (county, state) | | Eddy Co, NM | | Project #: | | Pending | |
| Invoice to: | | Attn: COG - Ike Taveres | | | | | |
| Receiving Laboratory: | | Cardinal | | Sampler Signature: | | Conner Moehring | |
| Comments: | | | | | | | |

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | FILTERED (Y/N) | | |
|-------------------------|-----------------------|----------|------|--------|------|---------------------|------------------|--------------|----------------|-----|------|
| | | DATE | TIME | WATER | SOIL | HCL | HNO ₃ | | | ICE | None |
| | | | | | | | | | | | |
| 51 | Borehole #16 (3') | 7/1/14 | | X | | X | | 1 | 2 | | |
| 52 | 4' | | | | | | | | | | |
| 53 | 5' | | | | | | | | | | |
| 54 | 6' | | | | | | | | | | |
| 55 | Borehole #17 (6-1') | 7/2/14 | | | | | | | | | |
| 56 | 2' | | | | | | | | | | |
| 57 | 3' | | | | | | | | | | |
| 58 | 4' | | | | | | | | | | |
| 59 | 5' | | | | | | | | | | |
| 60 | 6' | | | | | | | | | | |

| LAB USE ONLY | REMARKS: |
|---|----------|
| <input type="checkbox"/> STANDARD | |
| <input checked="" type="checkbox"/> RUSH: Same Day | |
| <input type="checkbox"/> Rush Charges Authorized | |
| <input type="checkbox"/> Special Report Limits or TRRP Report | |

| ANALYSIS REQUEST (Circle or Specify Method No.) |
|--|
| BTEX 8021B BTEX 8260B |
| TPH TX1005 (Ext to C35) |
| TPH 8015M (GRO - DRO - ORO - MRO) |
| PAH 8270C |
| Total Metals Ag As Ba Cd Cr Pb Se Hg |
| TCLP Metals Ag As Ba Cd Cr Pb Se Hg |
| TCLP Volatiles |
| TCLP Semi Volatiles |
| RCI |
| GC/MS Vol. 8260B / 624 |
| GC/MS Semi. Vol. 8270C/625 |
| PCB's 8082 / 608 |
| NORM |
| PLM (Asbestos) |
| Chloride |
| Chloride Sulfate TDS |
| General Water Chemistry (see attached list) |
| Anion/Cation Balance |

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(Circle) HAND DELIVERED FEDEX UPS Tracking #:



901 W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

| | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|--|--------------------------|--|---------------|--|------------------------------------|--|---------------------|--|--------------|--|----------------|--|---|--|--|--|--|--|--|--|--|--|
| Client Name: | | COG | | Site Manager: | | Clair Gonzales | | | | | | | | | | | | | | | | | |
| Project Name: | | RJ Unit 108 (4.17.19) | | | | Project #: | | | | | | | | | | | | | | | | | |
| Project Location: (county, state) | | Eddy Co, NM | | | | Pending | | | | | | | | | | | | | | | | | |
| Invoice to: | | Attn: COG - Ike Taverrez | | | | | | | | | | | | | | | | | | | | | |
| Receiving Laboratory: | | Cardinal | | | | Sampler Signature: Conner Moehring | | | | | | | | | | | | | | | | | |
| Comments: | | | | | | | | | | | | | | | | | | | | | | | |
| LAB # (LAB USE ONLY) | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | ANALYSIS REQUEST (Circle or Specify Method No.) | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | BTEX 8021B BTEX 8260B TPH TX1005 (Ext to C35) TPH 8015M (GRO - DRO - ORO - MRO) PAH 8270C Total Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles TCLP Semi Volatiles RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) Chloride Chloride Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | Hold | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | |
| LAB # | | SAMPLE IDENTIFICATION | | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | | | | | | | | | | | | |

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ANALYSIS REQUEST
(Circle or Specify Method No.)

Analysis Request of Custody Record



Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

| | | | |
|--|--|-------------------------------------|--|
| Client Name: COG | | Site Manager: Clair Gonzales | |
| Project Name: RU Unit 108 (4.17.19) | | Project #: Pending | |
| Project Location: Eddy Co, NM (county, state) | | Invoice to: Attn: COG - Ike Taveraz | |
| Receiving Laboratory: Cardinal | | Sampler Signature: Conner Moehring | |
| Comments: | | | |

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | FILTERED (Y/N) | | |
|-------------------------|-----------------------|------------|------|--------|------|---------------------|------------------|--------------|----------------|-----|------|
| | | DATE | TIME | WATER | SOIL | HCL | HNO ₃ | | | ICE | None |
| | | YEAR: 2019 | | | | | | | | | |
| 71 | Borehole # 13 (3') | 7/2/19 | | X | | | X | | 1 | | |
| 72 | 4' | | | | | | | | 2 | | |
| 73 | 5' | | | | | | | | | | |
| 74 | 6' | | | | | | | | | | |
| 75 | 7' | | | | | | | | | | |
| 76 | 8' | | | | | | | | | | |
| 77 | 9' | | | | | | | | | | |
| 78 | 10' | | | | | | | | | | |
| 79 | 11' | | | | | | | | | | |
| 80 | 12' | | | | | | | | | | |

| | | | | | |
|--|--------------|-------------|---|--------------|-------------|
| Relinquished by: <u>Conner Moehring</u> 7/3/19 | Date: 7/3/19 | Time: 12:15 | Received by: <u>Clair Gonzales</u> 7-3-19 | Date: 7-3-19 | Time: 12:15 |
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |

| | | | |
|--------------|----------|---|--|
| LAB USE ONLY | REMARKS: | ANALYSIS REQUEST (Circle or Specify Method No.) | |
| | | <input type="checkbox"/> STANDARD <input checked="" type="checkbox"/> RUSH: Same Day <u>24</u> hr 48 hr 72 hr <input type="checkbox"/> Rush Charges Authorized <input type="checkbox"/> Special Report Limits or TRRP Report | |

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

[illegible]

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ANALYSIS REQUEST
(Circle or Specify Method No.)

Hold



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

July 05, 2019

CLAIR GONZALES

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: RJ UNIT #108

Enclosed are the results of analyses for samples received by the laboratory on 07/03/19 12:15.

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 accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/03/2019
Reported: 07/05/2019
Project Name: RJ UNIT #108
Project Number: (4/17/19)
Project Location: COG - EDDY CO NM

Sampling Date: 07/02/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 19 (8') (H902293-01)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 7600 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 19 (9') (H902293-02)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 7200 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 19 (10') (H902293-03)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3280 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 19 (11') (H902293-04)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3800 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Cardinal Laboratories

*=Accredited Analyte

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



Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/03/2019
Reported: 07/05/2019
Project Name: RJ UNIT #108
Project Number: (4/17/19)
Project Location: COG - EDDY CO NM

Sampling Date: 07/02/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 19 (12') (H902293-05)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 6260 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 19 (13') (H902293-06)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 752 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 19 (14') (H902293-07)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 976 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 19 (15') (H902293-08)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 848 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |


Sample ID: BORE HOLE # 19 (16') (H902293-09)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1920 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | QM-07 |

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/03/2019
Reported: 07/05/2019
Project Name: RJ UNIT #108
Project Number: (4/17/19)
Project Location: COG - EDDY CO NM

Sampling Date: 07/02/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 19 (17') (H902293-10)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1010 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 19 (18') (H902293-11)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1100 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 19 (19') (H902293-12)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3320 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 19 (20') (H902293-13)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1250 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 19 (21') (H902293-14)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1570 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/03/2019
 Reported: 07/05/2019
 Project Name: RJ UNIT #108
 Project Number: (4/17/19)
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/02/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 20 (0-1') (H902293-15)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 15200 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | | |

Sample ID: BORE HOLE # 20 (2') (H902293-16)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 11800 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 20 (3') (H902293-17)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 5120 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 20 (4') (H902293-18)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4400 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 20 (5') (H902293-19)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4640 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/03/2019
 Reported: 07/05/2019
 Project Name: RJ UNIT #108
 Project Number: (4/17/19)
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/02/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 20 (6') (H902293-20)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2240 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 20 (7') (H902293-21)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1730 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 20 (8') (H902293-22)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1090 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 20 (9') (H902293-23)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 832 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 20 (10') (H902293-24)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 944 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/03/2019
 Reported: 07/05/2019
 Project Name: RJ UNIT #108
 Project Number: (4/17/19)
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/02/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 20 (11') (H902293-25)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 736 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 20 (12') (H902293-26)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 656 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 21 (0-1') (H902293-27)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 21 (2') (H902293-28)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 5840 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 3.92 | |

Sample ID: BORE HOLE # 21 (3') (H902293-29)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 6000 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 7.69 | |

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Analytical Results For:

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

 Received: 07/03/2019
 Reported: 07/05/2019
 Project Name: RJ UNIT #108
 Project Number: (4/17/19)
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/01/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 21 (4') (H902293-30)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 4800 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 7.69 | | |

Sample ID: BORE HOLE # 21 (5') (H902293-31)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 5040 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 7.69 | |

Sample ID: BORE HOLE # 21 (6') (H902293-32)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 176 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 7.69 | | |

Sample ID: BORE HOLE # 21 (7') (H902293-33)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 2200 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 7.69 | | |

Sample ID: BORE HOLE # 21 (8') (H902293-34)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 11500 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 7.69 | |

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Analytical Results For:

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

Received: 07/03/2019
Reported: 07/05/2019
Project Name: RJ UNIT #108
Project Number: (4/17/19)
Project Location: COG - EDDY CO NM

Sampling Date: 07/01/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 21 (9') (H902293-35)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 13200 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 7.69 | |

Sample ID: BORE HOLE # 21 (10') (H902293-36)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 7860 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 7.69 | |

Sample ID: BORE HOLE # 21 (11') (H902293-37)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4400 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 7.69 | |

Sample ID: BORE HOLE # 21 (12') (H902293-38)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2880 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 7.69 | |

Sample ID: BORE HOLE # 21 (13') (H902293-39)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 8880 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 7.69 | |

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/03/2019
 Reported: 07/05/2019
 Project Name: RJ UNIT #108
 Project Number: (4/17/19)
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/01/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 21 (14') (H902293-40)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 15400 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 7.69 | |

Sample ID: BORE HOLE # 21 (15') (H902293-41)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 8530 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 7.69 | |

Sample ID: BORE HOLE # 21 (16') (H902293-42)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 11500 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 7.69 | |

Sample ID: BORE HOLE # 21 (17') (H902293-43)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 21400 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 7.69 | |

Sample ID: BORE HOLE # 21 (18') (H902293-44)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 9730 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 7.69 | |

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/03/2019
 Reported: 07/05/2019
 Project Name: RJ UNIT #108
 Project Number: (4/17/19)
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/02/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 22 (0-1') (H902293-45)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 7.69 | | |

Sample ID: BORE HOLE # 22 (2') (H902293-46)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 7.69 | |

Sample ID: BORE HOLE # 22 (3') (H902293-47)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 07/05/2019 | ND | 400 | 100 | 400 | 7.69 | |

Sample ID: BORE HOLE # 22 (4') (H902293-48)

| Chloride, SM4500CI-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 | 07/05/2019 | ND | 400 | 100 | 400 | 7.69 | |

Sample ID: BORE HOLE # 22 (5') (H902293-49)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 07/05/2019 | ND | 432 | 108 | 400 | 0.00 | |

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/03/2019
 Reported: 07/05/2019
 Project Name: RJ UNIT #108
 Project Number: (4/17/19)
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/02/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 22 (6') (H902293-50)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 07/05/2019 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: BORE HOLE # 23 (0-1') (H902293-51)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 8800 | 16.0 | 07/05/2019 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: BORE HOLE # 23 (2') (H902293-52)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 288 | 16.0 | 07/05/2019 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: BORE HOLE # 23 (3') (H902293-53)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 07/05/2019 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: BORE HOLE # 23 (4') (H902293-54)

| 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 | 07/05/2019 | ND | 432 | 108 | 400 | 0.00 | |

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/03/2019
Reported: 07/05/2019
Project Name: RJ UNIT #108
Project Number: (4/17/19)
Project Location: COG - EDDY CO NM

Sampling Date: 07/01/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 23 (5') (H902293-55)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 07/05/2019 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: BORE HOLE # 23 (6') (H902293-56)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 07/05/2019 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: BORE HOLE # 23 (7') (H902293-57)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 07/05/2019 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: BORE HOLE # 13 (11') (H902293-58)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 688 | 16.0 | 07/05/2019 | ND | 432 | 108 | 400 | 0.00 | |

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

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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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

| | | | |
|-------------------------------------|--|------------------------------------|--|
| Client Name: COG | | Site Manager: Clair Gonzales | |
| Project Name: RJ Unit 108 (4.17.19) | | | |
| Project Location: Eddy Co, NM | | Project #: Pending | |
| Invoice to: Attn: COG - Ike Taveres | | Sampler Signature: Conner Moehring | |
| Receiving Laboratory: Cardinal | | Comments: | |

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | FILTERED (Y/N) | ANALYSIS REQUEST (Circle or Specify Method No.) | | |
|-------------------------|-----------------------|----------|------|--------|------|---------------------|------------------|--------------|----------------|--|-----|------|
| | | DATE | TIME | WATER | SOIL | HCL | HNO ₃ | | | | ICE | None |
| | | | | | | | | | | | | |
| 1 | Borehole # 14 (8') | 7/2/19 | | X | | | X | | 1 | BTEX 8021B BTEX 8260B | | |
| 2 | 9' | | | | | | | | 2 | TPH TX1005 (Ext to C35) | | |
| 3 | 10' | | | | | | | | | TPH 8015M (GRO - DRO - ORO - MRO) | | |
| 4 | 11' | | | | | | | | | PAH 8270C | | |
| 5 | 12' | | | | | | | | | Total Metals Ag As Ba Cd Cr Pb Se Hg | | |
| 6 | 13' | | | | | | | | | TCLP Metals Ag As Ba Cd Cr Pb Se Hg | | |
| 7 | 14' | | | | | | | | | TCLP Volatiles | | |
| 8 | 15' | | | | | | | | | TCLP Semi Volatiles | | |
| 9 | 16' | | | | | | | | | RCI | | |
| 10 | 17' | | | | | | | | | GC/MS Vol. 8260B / 624 | | |
| | | | | | | | | | | GC/MS Semi. Vol. 8270C/625 | | |
| | | | | | | | | | | PCB's 8082 / 608 | | |
| | | | | | | | | | | NORM | | |
| | | | | | | | | | | PLM (Asbestos) | | |
| | | | | | | | | | | Chloride | | |
| | | | | | | | | | | Chloride Sulfate TDS | | |
| | | | | | | | | | | General Water Chemistry (see attached list) | | |
| | | | | | | | | | | Anion/Cation Balance | | |
| | | | | | | | | | | Hold | | |

| | |
|--|---|
| Relinquished by: <i>Conner Moehring</i> Date: 7/3/19 Time: | Received by: <i>Clair Gonzales</i> Date: 7-3-19 Time: 12:15 |
| Relinquished by: _____ Date: _____ Time: _____ | Received by: _____ Date: _____ Time: _____ |

| | |
|--|--|
| LAB USE ONLY Sample Temperature #97 346 | REMARKS: <input type="checkbox"/> STANDARD <input checked="" type="checkbox"/> RUSH: Same Day (24 hr) 48 hr 72 hr <input type="checkbox"/> Rush Charges Authorized <input type="checkbox"/> Special Report Limits or TRRP Report |
|--|--|

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Analysis Request of Custody Record



Tetra Tech, Inc.

 901W Wall Street, Ste 100
 Midland, Texas 79705
 Tel (432) 682-4359
 Fax (432) 682-3946

| | | | | | | | |
|--------------------------------------|--|-------------------------|--|--------------------|--|-----------------|--|
| Client Name: | | COG | | Site Manager: | | Clair Gonzales | |
| Project Name: | | RJ Unit 108 (4.17.19) | | | | | |
| Project Location: (county, state) | | Eddy Co, NM | | Project #: | | Pending | |
| Invoice to: | | Attn: COG - Ike Taveres | | | | | |
| Receiving Laboratory: | | Cardinal | | Sampler Signature: | | Conner Moehring | |
| Comments: | | | | | | | |

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | FILTERED (Y/N) | | |
|-------------------------|-----------------------|------------|------|--------|------|---------------------|------------------|--------------|----------------|-----|------|
| | | DATE | TIME | WATER | SOIL | HCL | HNO ₃ | | | ICE | None |
| | | YEAR: 2019 | | | | | | | | | |
| 11 | Borehole # 19 (15') | 7/2/19 | | X | | X | | 1 | 2 | | |
| 12 | 15' | | | | | | | | | | |
| 13 | 20' | | | | | | | | | | |
| 14 | 21' | | | | | | | | | | |
| 15 | Borehole # 20 (10-1') | | | | | | | | | | |
| 16 | 2' | | | | | | | | | | |
| 17 | 3' | | | | | | | | | | |
| 18 | 4' | | | | | | | | | | |
| 19 | 5' | | | | | | | | | | |
| 20 | 6' | | | | | | | | | | |

| | | | | | |
|------------------|--------|-------|-----------------|--------|-------|
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |
| Conner Moehring | 7/3/19 | | Conner Moehring | 7-3-19 | 12:15 |
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |
| | | | | | |

| | | | | | |
|------------------|-------|-------|--------------|-------|-------|
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |
| | | | | | |

| | | | |
|--------------------|--|---|--|
| LAB USE ONLY | | REMARKS: | |
| Sample Temperature | | STANDARD | |
| #97 | | <input checked="" type="checkbox"/> RUSH: Same Day (24 hr) 48 hr 72 hr <input type="checkbox"/> Rush Charges Authorized <input type="checkbox"/> Special Report Limits or TRRP Report | |
| 3.4e | | | |

(Circle or Specify Method No.)

ANALYSIS REQUEST

 BTEX 8021B BTEX 8260B
 TPH TX1005 (Ext to C35)
 TPH 8015M (GRO - DRO - ORO - MRO)
 PAH 8270C
 Total Metals Ag As Ba Cd Cr Pb Se Hg
 TCLP Metals Ag As Ba Cd Cr Pb Se Hg
 TCLP Volatiles
 TCLP Semi Volatiles
 RCI
 GC/MS Vol. 8260B / 624
 GC/MS Semi. Vol. 8270C/625
 PCB's 8082 / 608
 NORM
 PLM (Asbestos)
 Chloride
 Chloride Sulfate TDS
 General Water Chemistry (see attached list)
 Anion/Cation Balance

Hold

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Analysis Request of Custody Record



Tetra Tech, Inc.

 901W Wall Street, Ste 100
 Midland, Texas 79705
 Tel (432) 582-4559
 Fax (432) 582-9946

| | | | |
|--|--|------------------------------------|--|
| Client Name: COG | | Site Manager: Clair Gonzales | |
| Project Name: RU Unit 108 (4.17.19) | | Project #: Pending | |
| Project Location: Eddy Co, NM (county, state) | | Project #: Pending | |
| Invoice to: Attn: COG - Ike Taveraz | | Sampler Signature: Conner Moehring | |
| Receiving Laboratory: Cardinal | | Comments: | |

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | FILTERED (Y/N) | | |
|-------------------------|-----------------------|----------|------|--------|------|---------------------|------------------|--------------|----------------|-----|------|
| | | DATE | TIME | WATER | SOIL | HCL | HNO ₃ | | | ICE | None |
| | | | | | | | | | | | |
| 21 | Bench # 20 | 7/2/19 | | X | | | | | 1 | | |
| 22 | | | | | | | | | 2 | | |
| 23 | | | | | | | | | | | |
| 24 | | | | | | | | | | | |
| 25 | | | | | | | | | | | |
| 26 | | | | | | | | | | | |
| 27 | Bench # 21 (0-1') | 7/2/19 | | | | | | | | | |
| 28 | | | | | | | | | | | |
| 29 | | | | | | | | | | | |
| 30 | | | | | | | | | | | |

| | | |
|--|--------------|-------|
| Relinquished by: <i>Conner Moehring</i> 7/3/19 | Date: 7/3/19 | Time: |
| Relinquished by: | Date: | Time: |
| Relinquished by: | Date: | Time: |

| | | |
|--|--------------|-------------|
| Received by: <i>Conner Moehring</i> 7-3-19 12:15 | Date: 7-3-19 | Time: 12:15 |
| Received by: | Date: | Time: |
| Received by: | Date: | Time: |

| | | |
|--------------|-------|-------|
| Received by: | Date: | Time: |
| Received by: | Date: | Time: |
| Received by: | Date: | Time: |

 ANALYSIS REQUEST
 (Circle or Specify Method No.)

 BTEX 8021B BTEX 8260B
 TPH TX1005 (Ext to C35)
 TPH 8015M (GRO - DRO - ORO - MRO)
 PAH 8270C
 Total Metals Ag As Ba Cd Cr Pb Se Hg
 TCLP Metals Ag As Ba Cd Cr Pb Se Hg
 TCLP Volatiles
 TCLP Semi Volatiles
 RCI
 GC/MS Vol. 8260B / 624
 GC/MS Semi. Vol. 8270C/625
 PCB's 8082 / 608
 NORM
 PLM (Asbestos)
 Chloride
 Chloride Sulfate TDS
 General Water Chemistry (see attached list)
 Anion/Cation Balance

Hold

LAB USE ONLY

REMARKS:

STANDARD

☒ RUSH: Same Day (24 hr) 48 hr 72 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

3.4°C

#97

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Analysis Request of Custody Record



Tetra Tech, Inc.

 901W Wall Street, Ste 100
 Midland, Texas 79705
 Tel (432) 682-4559
 Fax (432) 682-3946

| | | | |
|--------------------------------------|--|------------------------------------|--|
| Client Name: COG | | Site Manager: Clair Gonzales | |
| Project Name: RJ Unit 108 (4.17.19) | | Project #: Pending | |
| Project Location: Eddy Co, NM | | Project #: Pending | |
| Invoice to: Attn: COG - Ike Taveriez | | Sampler Signature: Corner Moehring | |
| Receiving Laboratory: Cardinal | | Comments: | |

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | FILTERED (Y/N) | | |
|-------------------------|-----------------------|----------|------|--------|------|---------------------|------------------|--------------|----------------|-----|------|
| | | DATE | TIME | WATER | SOIL | HCL | HNO ₃ | | | ICE | None |
| | | | | | | | | | | | |
| 31 | Boichie # 21 (S) | 7/1/19 | | X | | | | X | | 1 | |
| 32 | | | | | | | | | | 2 | |
| 33 | | | | | | | | | | | |
| 34 | | | | | | | | | | | |
| 35 | | | | | | | | | | | |
| 36 | | | | | | | | | | | |
| 37 | | | | | | | | | | | |
| 38 | | | | | | | | | | | |
| 39 | | | | | | | | | | | |
| 40 | | | | | | | | | | | |

| LAB USE ONLY | REMARKS: |
|--|----------|
| <input type="checkbox"/> STANDARD | |
| <input checked="" type="checkbox"/> RUSH: Same Day (24 hr) 48 hr 72 hr | |
| <input type="checkbox"/> Rush Charges Authorized | |
| <input type="checkbox"/> Special Report Limits or TRRP Report | |

| ANALYSIS REQUEST (Circle or Specify Method No.) |
|--|
| BTEX 8021B BTEX 8260B |
| TPH TX1005 (Ext to C35) |
| TPH 8015M (GRO - DRO - ORO - MRO) |
| PAH 8270C |
| Total Metals Ag As Ba Cd Cr Pb Se Hg |
| TCLP Metals Ag As Ba Cd Cr Pb Se Hg |
| TCLP Volatiles |
| TCLP Semi Volatiles |
| RCI |
| GC/MS Vol. 8260B / 624 |
| GC/MS Semi. Vol. 8270C/625 |
| PCB's 8082 / 608 |
| NORM |
| PLM (Asbestos) |
| Chloride |
| Chloride Sulfate TDS |
| General Water Chemistry (see attached list) |
| Anion/Cation Balance |
| Hold |

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901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

| | | | | | | | |
|-----------------------|--|-------------------------|--|-----------------------|--|-----------------|--|
| Client Name: | | COG | | Site Manager: | | Clair Gonzales | |
| Project Name: | | RJ Unit 108 (4.17.19) | | | | Project #: | |
| Project Location: | | Eddy Co, NM | | Project #: | | Pending | |
| Invoice to: | | Attn: COG - Ike Taveraz | | Project #: | | Pending | |
| Receiving Laboratory: | | Cardinal | | Sampler Signature: | | Conner Moehring | |
| Comments: | | | | | | | |
| LAB # | | H902242 | | SAMPLE IDENTIFICATION | | | |
| LAB USE ONLY | | | | YEAR: 2019 | | | |
| | | DATE | | TIME | | | |
| 41 | | Borehole # 21 (15') | | 7/1/19 | | | |
| 42 | | 16' | | | | | |
| 43 | | 17' | | | | | |
| 44 | | 18' | | | | | |
| 45 | | Borehole # 22 (6-1') | | 7/2/19 | | | |
| 46 | | 2' | | | | | |
| 47 | | 3' | | | | | |
| 48 | | 4' | | | | | |
| 49 | | 5' | | | | | |
| 50 | | 6' | | | | | |
| Retinquired by: | | Date: | | Time: | | Received by: | |
| Conner Moehring | | 7/3/19 | | 12:15 | | Jenna Delgado | |
| Retinquired by: | | Date: | | Time: | | Received by: | |
| Conner Moehring | | 7/3/19 | | 12:15 | | Jenna Delgado | |
| Retinquired by: | | Date: | | Time: | | Received by: | |
| Conner Moehring | | 7/3/19 | | 12:15 | | Jenna Delgado | |
| Retinquired by: | | Date: | | Time: | | Received by: | |
| Conner Moehring | | 7/3/19 | | 12:15 | | Jenna Delgado | |
| Retinquired by: | | Date: | | Time: | | Received by: | |
| Conner Moehring | | 7/3/19 | | 12:15 | | Jenna Delgado | |
| Retinquired by: | | Date: | | Time: | | Received by: | |
| Conner Moehring | | 7/3/19 | | 12:15 | | Jenna Delgado | |
| Retinquired by: | | Date: | | Time: | | Received by: | |
| Conner Moehring | | 7/3/19 | | 12:15 | | Jenna Delgado | |
| Retinquired by: | | Date: | | Time: | | Received by: | |
| Conner Moehring | | 7/3/19 | | 12:15 | | Jenna Delgado | |
| Retinquired by: | | Date: | | Time: | | Received by: | |
| Conner Moehring | | 7/3/19 | | 12:15 | | Jenna Delgado | |
| Retinquired by: | | Date: | | Time: | | Received by: | |
| Conner Moehring | | 7/3/19 | | 12:15 | | Jenna Delgado | |
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| Conner Moehring | | 7/3/19 | | 12:15 | | Jenna Delgado | |
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| Conner Moehring | | 7/3/19 | | 12:15 | | Jenna Delgado | |
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| Conner Moehring | | 7/3/19 | | 12:15 | | Jenna Delgado | |
| Retinquired by: | | Date: | | Time: | | Received by: | |
| Conner Moehring | | 7/3/19 | | 12:15 | | Jenna Delgado | |
| Retinquired by: | | Date: | | Time: | | Received by: | |
| Conner Moehring | | 7/3/19 | | 12:15 | | Jenna Delgado | |
| Retinquired by: | | Date: | | Time: | | Received by: | |
| Conner Moehring | | 7/3/19 | | 12:15 | | Jenna Delgado | |
| Retinquired by: | | Date: | | Time: | | Received by: | |
| Conner Moehring | | 7/3/19 | | 12:15 | | Jenna Delgado | |
| Retinquired by: | | Date: | | Time: | | Received by: | |
| Conner Moehring | | 7/3/19 | | 12:15 | | Jenna Delgado | |
| Retinquired by: | | Date: | | Time: | | Received by: | |
| Conner Moehring | | 7/3/19 | | 12:15 | | Jenna Delgado | |
| Retinquired by: | | Date: | | Time: | | Received by: | |
| Conner Moehring | | 7/3/19 | | 12:15 | | Jenna Delgado | |
| Retinquired by: | | Date: | | Time: | | Received by: | |
| Conner Moehring | | 7/3/19 | | 12:15 | | Jenna Delgado | |
| Retinquired by: | | Date: | | Time: | | Received by: | |
| Conner Moehring | | 7/3/19 | | 12:15 | | Jenna Delgado | |
| Retinquired by: | | Date: | | Time: | | Received by: | |
| Conner Moehring | | 7/3/19 | | 12:15 | | Jenna Delgado | |
| Retinquired by: | | Date: | | Time: | | Received by: | |
| Conner Moehring | | 7/3/19 | | 12:15 | | Jenna Delgado | |
| Retinquired by: | | Date: | | Time: | | Received by: | |
| Conner Moehring | | 7/3/19 | | 12:15 | | Jenna Delgado | |
| Retinquired by: | | Date: | | Time: | | Received by: | |
| Conner Moehring | | 7/3/19 | | 12:15 | | Jenna Delgado | |
| Retinquired by: | | Date: | | Time: | | Received by: | |
| Conner Moehring | | 7/3/19 | | 12:15 | | Jenna Delgado | |
| Retinquired by: | | Date: | | Time: | | Received by: | |
| Conner Moehring | | 7/3/19 | | 12:15 | | Jenna Delgado | |
| Retinquired by: | | Date: | | Time: | | Received by: | |
| Conner Moehring | | 7/3/19 | | 12:15 | | Jenna Delgado | |
| Retinquired by: | | Date: | | Time: | | Received by: | |
| Conner Moehring | | 7/3/19 | | 12:15 | | Jenna Delgado | |
| Retinquired by: | | Date: | | Time: | | Received by: | |
| Conner Moehring | | 7/3/19 | | 12:15 | | Jenna Delgado | |
| Retinquired by: | | Date: | | Time: | | Received by: | |
| Conner Moehring | | 7/3/19 | | 12:15 | | Jenna Delgado | |
| Retinquired by: | | Date: | | Time: | | Received by: | |
| Conner Moehring | | 7/3/19 | | 12:15 | | Jenna Delgado | |

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #

Analysis Request of Custody Record



Tetra Tech, Inc.

 901W Wall Street, Ste 100
 Midland, Texas 79705
 Tel (432) 582-4559
 Fax (432) 582-3946

| | | | | | | | |
|--------------------------------------|--|-------------------------|--|--------------------|--|-----------------|--|
| Client Name: | | COG | | Site Manager: | | Clair Gonzales | |
| Project Name: | | RU Unit 108 (4.17.19) | | | | | |
| Project Location: (county, state) | | Eddy Co, NM | | Project #: | | Pending | |
| Invoice to: | | Attn: COG - Ike Taveres | | | | | |
| Receiving Laboratory: | | Cardinal | | Sampler Signature: | | Conner Moehring | |
| Comments: | | | | | | | |

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | FILTERED (Y/N) | | | |
|-------------------------|-----------------------|------------|------|--------|-------|---------------------|-----|--------------|----------------|------------------|-----|------|
| | | YEAR: 2019 | DATE | TIME | WATER | SOIL | HCL | | | HNO ₃ | ICE | None |
| | | | | | | | | | | | | |
| 52 | | | | | | | | | | 2 | | |
| 53 | | | | | | | | | | | | |
| 54 | | | | | | | | | | | | |
| 55 | | | | | | | | | | | | |
| 56 | | | | | | | | | | | | |
| 57 | | | | | | | | | | | | |
| 58 | Bore Hole #13 (11') | 7-2-19 | | | | | | | | | | |

| LAB USE ONLY | | REMARKS: | |
|-----------------------------------|--|--|---|
| <input type="checkbox"/> STANDARD | <input checked="" type="checkbox"/> RUSH: Same Day | <input type="checkbox"/> Rush Charges Authorized | <input type="checkbox"/> Special Report Limits or TRRP Report |

 ANALYSIS REQUEST
 (Circle or Specify Method No.)

 BTEX 8021B BTEX 8260B
 TPH TX1005 (Ext to C35)
 TPH 8015M (GRO - DRO - ORO - MRO)
 PAH 8270C
 Total Metals Ag As Ba Cd Cr Pb Se Hg
 TCLP Metals Ag As Ba Cd Cr Pb Se Hg
 TCLP Volatiles
 TCLP Semi Volatiles
 RCI
 GC/MS Vol. 8260B / 624
 GC/MS Semi. Vol. 8270C/625
 PCB's 8082 / 608
 NORM
 PLM (Asbestos)
 Chloride
 Chloride Sulfate TDS
 General Water Chemistry (see attached list)
 Anion/Cation Balance

Hold

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #:



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

July 15, 2019

MIKE CARMONA

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: RJ UNIT #108

Enclosed are the results of analyses for samples received by the laboratory on 07/12/19 11:55.

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 accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

| | | | |
|-------------------|------------------|---------------------|----------------|
| Received: | 07/12/2019 | Sampling Date: | 07/10/2019 |
| Reported: | 07/15/2019 | Sampling Type: | Soil |
| Project Name: | RJ UNIT #108 | Sampling Condition: | Cool & Intact |
| Project Number: | 212C-MD-01821 | Sample Received By: | Tamara Oldaker |
| Project Location: | COG - EDDY CO NM | | |

Sample ID: BORE HOLE # 7 (5') (H902402-01)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 5680 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: BORE HOLE # 7 (10') (H902402-02)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 400 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: BORE HOLE # 7 (15') (H902402-03)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 304 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: BORE HOLE # 7 (20') (H902402-04)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 288 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 3.77 | |

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/12/2019
 Reported: 07/15/2019
 Project Name: RJ UNIT #108
 Project Number: 212C-MD-01821
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/10/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 8 (10') (H902402-05)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 6800 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: BORE HOLE # 8 (15') (H902402-06)

| 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 | 07/15/2019 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: BORE HOLE # 8 (20') (H902402-07)

| Chloride, SM4500CI-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 | 07/15/2019 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: BORE HOLE # 8 (25') (H902402-08)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 624 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: BORE HOLE # 10 (5') (H902402-09)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 4240 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 3.77 | |

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/12/2019
Reported: 07/15/2019
Project Name: RJ UNIT #108
Project Number: 212C-MD-01821
Project Location: COG - EDDY CO NM

Sampling Date: 07/10/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 10 (10') (H902402-10)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1230 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 3.77 | | |

Sample ID: BORE HOLE # 10 (15') (H902402-11)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 832 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: BORE HOLE # 10 (20') (H902402-12)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1650 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 3.77 | | |

Sample ID: BORE HOLE # 10 (25') (H902402-13)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 992 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: BORE HOLE # 13 (10') (H902402-14)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 320 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 3.77 | |

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/12/2019
 Reported: 07/15/2019
 Project Name: RJ UNIT #108
 Project Number: 212C-MD-01821
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/10/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 13 (15') (H902402-15)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1010 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: BORE HOLE # 13 (20') (H902402-16)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 576 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: BORE HOLE # 21 (15') (H902402-17)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 496 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: BORE HOLE # 21 (20') (H902402-18)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: BORE HOLE # 21 (25') (H902402-19)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 3.77 | |

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/12/2019
 Reported: 07/15/2019
 Project Name: RJ UNIT #108
 Project Number: 212C-MD-01821
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/10/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 21 (30') (H902402-20)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: BORE HOLE # 14 (5') (H902402-21)

| Chloride, 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 | 07/15/2019 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: BORE HOLE # 14 (10') (H902402-22)

| Chloride, 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 | 07/15/2019 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: BORE HOLE # 14 (15') (H902402-23)

| Chloride, 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 | 07/15/2019 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: BORE HOLE # 16 (5') (H902402-24)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 3.77 | |

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/12/2019
 Reported: 07/15/2019
 Project Name: RJ UNIT #108
 Project Number: 212C-MD-01821
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/11/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 16 (10') (H902402-25)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 3920 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 3.77 | |

Sample ID: BORE HOLE # 16 (15') (H902402-26)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 496 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: BORE HOLE # 16 (20') (H902402-27)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 2200 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 0.00 | | |

Sample ID: BORE HOLE # 16 (25') (H902402-28)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 592 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 0.00 | | |

Sample ID: BORE HOLE # 17 (15') (H902402-29)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2000 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 0.00 | |

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/12/2019
 Reported: 07/15/2019
 Project Name: RJ UNIT #108
 Project Number: 212C-MD-01821
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/11/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 17 (20') (H902402-30)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2160 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: BORE HOLE # 17 (25') (H902402-31)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 976 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: BORE HOLE # 17 (30') (H902402-32)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 704 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: BORE HOLE # 18 (15') (H902402-33)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 960 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: BORE HOLE # 18 (20') (H902402-34)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 576 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 0.00 | |

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/12/2019
 Reported: 07/15/2019
 Project Name: RJ UNIT #108
 Project Number: 212C-MD-01821
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/11/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 18 (25') (H902402-35)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: BORE HOLE # 19 (20') (H902402-36)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 736 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: BORE HOLE # 19 (25') (H902402-37)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 992 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 0.00 | | |

Sample ID: BORE HOLE # 19 (30') (H902402-38)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 848 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 0.00 | | |

Sample ID: BORE HOLE # 19 (35') (H902402-39)

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 320 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 0.00 | | |

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/12/2019
 Reported: 07/15/2019
 Project Name: RJ UNIT #108
 Project Number: 212C-MD-01821
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/12/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 19 (40') (H902402-40)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: BORE HOLE # 20 (10') (H902402-41)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1140 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: BORE HOLE # 20 (15') (H902402-42)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: BORE HOLE # 20 (20') (H902402-43)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: BORE HOLE # 24 (5') (H902402-44)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 0.00 | |

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/12/2019
 Reported: 07/15/2019
 Project Name: RJ UNIT #108
 Project Number: 212C-MD-01821
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/12/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: BORE HOLE # 24 (10') (H902402-45)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 96.0 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 0.00 | | |

Sample ID: BORE HOLE # 24 (15') (H902402-46)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 0.00 | |

Sample ID: BORE HOLE # 17 (10') (H902402-47)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1520 | 16.0 | 07/15/2019 | ND | 432 | 108 | 400 | 0.00 | |

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| | | | | | | | | | | | | | | | | | | | |
|---|--|--|--|--------------------------------|--|--|--|-------------------------|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: <u>Cardinal Laboratories</u> | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | |
| Project Manager: <u>Mike Cardona</u> | | | | P.O. #: | | | | | | | | | | | | | | | |
| Address: | | | | Company: <u>COA</u> | | | | | | | | | | | | | | | |
| City: | | | | Attn: <u>TAVEREL</u> | | | | | | | | | | | | | | | |
| State: | | | | Address: | | | | | | | | | | | | | | | |
| Phone #: | | | | City: | | | | | | | | | | | | | | | |
| Fax #: | | | | State: | | | | | | | | | | | | | | | |
| Project #: <u>212C-WD-01521</u> | | | | Project Owner: <u>S</u> | | | | | | | | | | | | | | | |
| Project Name: <u>RJ UNIT 102</u> | | | | City: | | | | | | | | | | | | | | | |
| Project Location: <u>Eddy Co, NM</u> | | | | State: | | | | | | | | | | | | | | | |
| Sample Name: <u>CONDENSED WATER</u> | | | | Phone #: | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | Fax #: | | | | | | | | | | | | | | | |

| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | | PRESERV. | | DATE | TIME | REMARKS |
|----------|--------------------|-------------------|--------------|-------------|------------|------|-----|--------|---------|------------|------------|---------|------|-----------|
| | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | ACID/BASE: | ICE / COOL | | | |
| H902402 | Borehole # 57 (5') | | 1 | X | | | | | | | | 7/10/19 | | Chlorides |
| 1 | (10') | | 1 | X | | | | | | | | | | |
| 2 | (15') | | 1 | X | | | | | | | | | | |
| 3 | (20') | | 1 | X | | | | | | | | | | |
| 4 | Borehole # 8 (10') | | 1 | X | | | | | | | | | | |
| 5 | (15') | | 1 | X | | | | | | | | | | |
| 6 | (20') | | 1 | X | | | | | | | | | | |
| 7 | (10') | | 1 | X | | | | | | | | | | |
| 8 | (15') | | 1 | X | | | | | | | | | | |
| 9 | Borehole # 10 (5') | | 1 | X | | | | | | | | | | |
| 10 | (10') | | 1 | X | | | | | | | | | | |

| | | | | | | | |
|---|--|--|--|--|--|----------------------------------|--|
| Relinquished By: <u>[Signature]</u> | | Date: <u>7/12/19</u> | | Received By: <u>[Signature]</u> | | Date: <u>7/12/19</u> | |
| Time: <u>11:55</u> | | Time: | | Time: | | Time: | |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: <u>5.4. #47</u> | | Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> | | CHECKED BY: (Initials) <u>VP</u> | | REMARKS: <u>24 min</u> | |



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| Company Name: | | | | BILL TO | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------------|------------|---------------------|-----|-----------------------|---------|--------------|--|--|--|--|--|--|--|--------|--|---------|--|---|--|-------------|------------|------|-----|--------|---------|------------|--|------------|--|---------|--|------|--|------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Project Manager: | | | | P.O. #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Address: | | | | Company: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| City: | | | | Attn: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| State: | | | | Address: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Zip: | | | | City: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: | | | | State: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fax #: | | | | Zip: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: | | | | Project Owner: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: | | | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: | | | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | | Sample I.D. | | (G)RAB OR (C)OMP. | | # CONTAINERS | | <table border="1" style="width:100%; text-align: center;"> <tr> <th colspan="6">MATRIX</th> </tr> <tr> <th>GROUNDWATER</th> <th>WASTEWATER</th> <th>SOIL</th> <th>OIL</th> <th>SLUDGE</th> <th>OTHER :</th> </tr> </table> | | | | | | MATRIX | | | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | ACID/BASE: | | ICE / COOL | | OTHER : | | DATE | | TIME | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | MATRIX | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H902402 | | Borehole # 10 (15') | | X | | X | | X | | | | | | X | | 7/10/19 | | X | | Chlorides | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | (20') | | X | | X | | X | | | | | | X | | X | | X | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | (25') | | X | | X | | X | | | | | | X | | X | | X | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | Borehole # 13 (10') | | X | | X | | X | | | | | | X | | X | | X | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | (15') | | X | | X | | X | | | | | | X | | X | | X | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | | (20') | | X | | X | | X | | | | | | X | | X | | X | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | | Borehole # 21 (15') | | X | | X | | X | | | | | | X | | X | | X | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | | (10') | | X | | X | | X | | | | | | X | | X | | X | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | | (15') | | X | | X | | X | | | | | | X | | X | | X | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | | (20') | | X | | X | | X | | | | | | X | | X | | X | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | | (25') | | X | | X | | X | | | | | | X | | X | | X | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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Relinquished By: Donny Wally **Date:** 7-12-19 **Time:** 11:55 **Received By:** Lawrence D. Smith

Relinquished By: Donny Wally **Date:** 7-12-19 **Time:** 11:55 **Received By:** Lawrence D. Smith

Delivered By: (Circle One)
 Sampler - UPS - Bus - Other: 5.46 #497
Sample Condition
 Cool ☒ Intact ☒
 Yes ☒ No ☐
CHECKED BY: 98

REMARKS:
 Phone Result: ☐ Yes ☐ No **Add'l Phone #:**
 Fax Result: ☐ Yes ☐ No **Add'l Fax #:**

Busch!



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| | | | |
|--|--|--|--|
| Company Name: Project Manager: Address: City: State: Zip: Phone #: Fax #: Project #: Project Owner: Project Name: <u>RJ UNIT #108</u> Project Location: Sampler Name: | | BILL TO P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #: | |
| FOR LAB USE ONLY | | ANALYSIS REQUEST | |
| Lab I.D. Sample I.D. | | DATE TIME | |
| Bo. Hole # 14 (5') 21 22 23 24 25 26 27 28 29 30 | | (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : | |
| Bo. Hole # 16 (5') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 17 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 18 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 19 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 20 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 21 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 22 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 23 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 24 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 25 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 26 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 27 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 28 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 29 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 30 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 31 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 32 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 33 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 34 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 35 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 36 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 37 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 38 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 39 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 40 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 41 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 42 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 43 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 44 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 45 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 46 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 47 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 48 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 49 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 50 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 51 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 52 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 53 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 54 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 55 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 56 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 57 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 58 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 59 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 60 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 61 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 62 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 63 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 64 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 65 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 66 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 67 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 68 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 69 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 70 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 71 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 72 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 73 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 74 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 75 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 76 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 77 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 78 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 79 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 80 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 81 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 82 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 83 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 84 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 85 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 86 (15') 21 22 23 24 25 26 27 28 29 30 | | DATE TIME | |
| Bo. Hole # 87 (15') 21 | | | |

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

[illegible]



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------|--|-------------------|--|-------------------|--|--------------|--|-------------|--|------------|--|------|--|-----|--|------------------|--|---------|--|------------|--|------------|--|---------|--|------|--|------|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Company Name: | | P.O. #: | | BILL TO | | | | | | | | | | | | ANALYSIS REQUEST | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager: | | Company: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Address: | | Attn: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| City: | | Address: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Phone #: | | City: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: | | State: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: | | Zip: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: | | Phone #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sampler Name: | | Fax #: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | | Sample I.D. | | (G)RAB OR (C)OMP. | | # CONTAINERS | | GROUNDWATER | | WASTEWATER | | SOIL | | OIL | | SLUDGE | | OTHER : | | ACID/BASE: | | ICE / COOL | | OTHER : | | DATE | | TIME | | | | | | | | | | | | | |
| H9D2407 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 41 | | Bottle # 20 (10') | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42 | | (15') | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 43 | | (10') | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44 | | Bottle # 24 (5') | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 45 | | (10') | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46 | | (15') | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47 | | Bottle # 17 (10') | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | | | | | | | | | | | | | | | |
|------------------|--|---------|--|--------------|--|---------|--|---------------|--|-------------|--|----------------|--|--------------|--|
| Relinquished By: | | Date: | | Received By: | | Date: | | Phone Result: | | Fax Result: | | Add'l Phone #: | | Add'l Fax #: | |
| Carmen... | | 7-12-19 | | Jana... | | 7-11-19 | | Yes | | Yes | | | | | |
| Relinquished By: | | Date: | | Received By: | | Date: | | Phone Result: | | Fax Result: | | Add'l Phone #: | | Add'l Fax #: | |
| | | | | | | | | | | | | | | | |

| | | | | | |
|------------------------------|--|------------------|--|-------------|--|
| Delivered By: (Circle One) | | Sample Condition | | CHECKED BY: | |
| Sampler - UPS - Bus - Other: | | Cool Intact | | (Initials) | |
| 5:40 #97 | | Yes Yes | | Yes. | |
| | | No No | | | |

Busk!!

July 25, 2019

MIKE CARMONA

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: RJ UNIT #108

Enclosed are the results of analyses for samples received by the laboratory on 07/25/19 9:07.

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 accredited through the State of Colorado Department of Public Health and Environment for:

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/25/2019
Reported: 07/25/2019
Project Name: RJ UNIT #108
Project Number: 212C - MD - 01821
Project Location: COG - EDDY CO NM

Sampling Date: 07/25/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: AH # 24 (0-1') (H902547-01)

| BTEX 8260B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 07/25/2019 | ND | 1.90 | 95.0 | 2.00 | 1.52 | |
| Toluene* | <0.025 | 0.025 | 07/25/2019 | ND | 2.11 | 105 | 2.00 | 0.800 | |
| Ethylbenzene* | <0.025 | 0.025 | 07/25/2019 | ND | 2.14 | 107 | 2.00 | 0.447 | |
| Total Xylenes* | <0.075 | 0.075 | 07/25/2019 | ND | 6.86 | 114 | 6.00 | 1.54 | |
| Total BTEX | <0.150 | 0.150 | 07/25/2019 | ND | | | | | |

Surrogate: Dibromofluoromethane 96.5 % 90.4-111

Surrogate: Toluene-d8 103 % 85.3-114

Surrogate: 4-Bromofluorobenzene 101 % 80.1-121

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 07/25/2019 | ND | 416 | 104 | 400 | 3.92 | |

| 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 | 07/25/2019 | ND | 187 | 93.7 | 200 | 2.27 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/25/2019 | ND | 176 | 87.9 | 200 | 3.10 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/25/2019 | ND | | | | | |

Surrogate: 1-Chlorooctane 82.5 % 41-142

Surrogate: 1-Chlorooctadecane 89.9 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received: 07/25/2019
Reported: 07/25/2019
Project Name: RJ UNIT #108
Project Number: 212C - MD - 01821
Project Location: COG - EDDY CO NM

Sampling Date: 07/25/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: AH # 24 (1-1.5') (H902547-02)

| BTX 8260B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.025 | 0.025 | 07/25/2019 | ND | 1.90 | 95.0 | 2.00 | 1.52 | |
| Toluene* | <0.025 | 0.025 | 07/25/2019 | ND | 2.11 | 105 | 2.00 | 0.800 | |
| Ethylbenzene* | <0.025 | 0.025 | 07/25/2019 | ND | 2.14 | 107 | 2.00 | 0.447 | |
| Total Xylenes* | <0.075 | 0.075 | 07/25/2019 | ND | 6.86 | 114 | 6.00 | 1.54 | |
| Total BTX | <0.150 | 0.150 | 07/25/2019 | ND | | | | | |

Surrogate: Dibromofluoromethane 95.7 % 90.4-111

Surrogate: Toluene-d8 102 % 85.3-114

Surrogate: 4-Bromofluorobenzene 95.1 % 80.1-121

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 07/25/2019 | ND | 416 | 104 | 400 | 3.92 | |

| 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 | 07/25/2019 | ND | 187 | 93.7 | 200 | 2.27 | |
| DRO >C10-C28* | <10.0 | 10.0 | 07/25/2019 | ND | 176 | 87.9 | 200 | 3.10 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/25/2019 | ND | | | | | |

Surrogate: 1-Chlorooctane 90.7 % 41-142

Surrogate: 1-Chlorooctadecane 98.9 % 37.6-147

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

 Received: 07/25/2019
 Reported: 07/25/2019
 Project Name: RJ UNIT #108
 Project Number: 212C - MD - 01821
 Project Location: COG - EDDY CO NM

 Sampling Date: 07/25/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: AH # 24 (2-2.5') (H902547-03)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 07/25/2019 | ND | 416 | 104 | 400 | 3.92 | | |

Sample ID: AH # 24 (3-3.5') (H902547-04)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 07/25/2019 | ND | 416 | 104 | 400 | 3.92 | |

Sample ID: AH # 24 (4-4.5') (H902547-05)

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 368 | 16.0 | 07/25/2019 | ND | 416 | 104 | 400 | 0.00 | |

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

| | |
|------|--|
| S-04 | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report |

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

 9911W Wall Street, Ste 100
 Midland, Texas 79705
 Tel (432) 682-4559
 Fax (432) 682-3946

Page 1 of 1

| | | | |
|--------------------------------|--|-----------------------------------|--|
| Client Name: CONCHO | | Site Manager: MIKE LAWSON | |
| Project Name: RJ UNIT 108 | | | |
| Project Location: Eddy County | | Project #: 212C-WD-01821 | |
| Invoice to: COOK-KE TAVAREZ | | | |
| Receiving Laboratory: CARDINAL | | Sampler Signature: CONNER WHEATON | |
| Comments: | | | |

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | FILTERED (Y/N) | | |
|-------------------------|-----------------------|----------|------|--------|------|---------------------|------------------|--------------|----------------|-----|------|
| | | DATE | TIME | WATER | SOIL | HCL | HNO ₃ | | | ICE | None |
| | | | | | | | | | | | |
| 1 | AA# 24 (0-1') | 7/25/15 | | X | | | | X | 1 | 2 | |
| 2 | AA# 24 (1-1.5') | 7/25/15 | | X | | | | X | 1 | 2 | |
| 3 | AA# 24 (2-2.5') | 7/25/15 | | X | | | | X | 1 | 2 | |
| 4 | AA# 24 (3-3.5') | 7/25/15 | | X | | | | X | 1 | 2 | |
| 5 | AA# 24 (4-4.5') | 7/25/15 | | X | | | | X | 1 | 2 | |

| LAB USE ONLY | REMARKS: |
|--|--|
| <input type="checkbox"/> STANDARD <input checked="" type="checkbox"/> RUSH: Same Day (24 hr) <input type="checkbox"/> Rush Charges Authorized <input type="checkbox"/> Special Report Limits or TRRP Report | ANALYSIS REQUEST (Circle or Specify Method No.) BTEX 8021B BTEX 8260B TPH TX1005 (Ext to C35) TPH 8015M (GRO - DRO - ORO - MRO) PAH 8270C Total Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles TCLP Semi Volatiles RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) Chloride Chloride Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance Hold |

| | | | | | |
|--|---------------|------------|---------------------------------------|---------------|------------|
| Relinquished by: <i>Conner Wheaton</i> | Date: 7/25/15 | Time: 0907 | Received by: <i>Juanita Delatorre</i> | Date: 7/25/15 | Time: 0907 |
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

 Sample Temperature
 3.9°C #97
 4.3°C
 Corrected