

Pima Environmental Services, LLC 1601 N. Turner Ste 500 Hobbs, NM 88240 575-964-7740

June 16th, 2021

NMOCD District 2 Mr. Mike Bratcher 811 S. First Street Artesia, NM 88210

Bureau of Land Management Mr. Jim Amos 620 East Green Street Carlsbad, NM 88220

Re: Remediation, and Closure Report

Bootes 15 Federal Com #001H API No. 30-015-40407

GPS: Latitude 32.6676 Longitude -103.8497

UL "A", Sec. 15, T19S, R31E

**Eddy County, NM** 

NMOCD Ref. No. NRM2014569455

Dear Mr. Bratcher and Mr. Amos,

Pima Environmental Services, LLC (Pima) has been contracted by Devon Energy Production Company (Devon) to perform remediation activities and write a closure report for a crude oil/produced water mixed release that occurred at the Bootes Federal Com #001H (Bootes). The initial C-141 was submitted on May 22<sup>nd</sup>, 2020 (Appendix C). This incident was assigned Incident ID NRM2014569455, by the New Mexico Oil Conservation Division (NMOCD). A remediation plan was submitted for this incident on December 3<sup>rd</sup>, 2020 and approved by the NMOCD on March 1<sup>st</sup>, 2021 (Appendix F).

#### **Site Characterization**

The Bootes is located approximately thirteen (13) miles southeast of Loco Hills, NM. This spill site is in Unit A, Section 15, Township 19S, Range 31E, Latitude 32.6676, Longitude -103.8497, Eddy County, NM. Figure 1 references a location map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the Quaternary Formation-Piedmont alluvial deposits (Holocene to lower Pleistocene). Includes deposits of higher gradient tributaries bordering major stream valleys, alluvial veneers of the piedmont slope, and alluvial fans. May locally include uppermost Pliocene deposits. The soil in this area is made up of partially of Kimbrough-Stegall loams, 0 to 3 percent slopes; and Simona and Wink fine sandy loams, 0 to 3 percent slopes, eroded according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are well-drained. There is a low potential for karst geology to be present around the Bootes (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 102 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is greater than 100 feet BGS. The closest waterway is a playa located approximately 5.15 miles to the southwest of this location. See Appendix A for referenced water surveys.

|   | Table  | 1 NMAC and Closure Cr   | iteria 19.15.29          |                      |               |  |
|---|--|-------------------------|--------------------------|----------------------|---------------|--|
| Depth to Groundwater Constituent & Limits                 |  |                         |                          |                      |               |  |
| (Appendix A)  | Chlorides  | Total TPH               | GRO+DRO                  | BTEX                 | Benzene       |  |
| 102'  | 20,000 mg/kg   | 2,500 mg/kg             | 1,000 mg/kg              | 50 mg/kg             | 10 mg/kg      |  |
| If the release occurred will less than 50 feet per Rule   | •  | areas, the responsible  | party would treat the re | elease as if the gro | oundwater was |  |
|   | Water Iss  | sues                    |                          | Yes                  | No            |  |
| Within <u><b>300</b></u> feet of any co                   | ontinuously flowing water  | course or any other sig | nificant watercourse     |                      | х             |  |
| Within <u>200</u> feet of any lal<br>mark                 | Within <u>200</u> feet of any lakebed, sinkhole, or playa lake (measures from the ordinary high-water mark |                         |                          |                      |               |  |
| Within <u>300</u> feet from an o                          | Within <u>300</u> feet from an occupied permanent residence, school, hospital, institution, or church      |                         |                          |                      |               |  |
| Within <u>500</u> feet of a sprir households for domestic | less than five   |                         | х                        |                      |               |  |
| Within 1000 feet of any f                                 | reshwater well or spring   |                         |                          |                      | Х             |  |
| Within incorporated mun                                   |  | х                       |                          |                      |               |  |
| Within 300 feet of a wetl                                 |  |                         | Х                        |                      |               |  |
| Within the area overlying                                 | g a subsurface mine  |                         |                          |                      | Х             |  |
| Within an unstable area (                                 | ` '  |                         |                          |                      | х             |  |
| Within a 100-year floodp                                  | lain   |                         |                          |                      | X             |  |

Reference Figure 2 for a Topographic Map.

#### **Release Information**

NRM2014569455: On May 10<sup>th</sup>, 2020, fluid released from the stuffing box on the well. Some fluid ran off pad. The calculated fluids were approximately 10.79 barrels (bbls) of crude oil and 21.44 bbls of produced water. Approximately 5 bbls of total fluid was recovered via vacuum truck.

#### **Site Assessment and Soil Sampling Results**

On May 29<sup>th</sup>, 2020, a site assessment was performed by another environmental consultant. The lab results of this assessment can be found in the NMOCD-Approved remediation plan (Appendix F).

#### **Remediation Activities**

On June 3<sup>rd</sup>, 2021, Pima mobilized personnel and equipment to the site to begin remediation activities. We excavated the affected areas to the approved depths. The contaminated soil was hauled out to be disposed of at Lea Land Disposal, and clean backfill was brought in for the pad areas. Topsoil was brought in for the off-pad area. After collecting confirmation samples, the excavations were backfilled, packed, and contoured back to their original state.

On June 7<sup>th</sup>, 2021, after sending out a 48-hour notification, Pima personnel collected confirmation samples according to the guidelines set aside in the approved remediation plan. A confirmation site map can be found in Figure 5. The results of this sampling event can be seen in the following table.

2-2-21 Soil Sample Results

| NMC  | OCD Table      | e 1 Closu     | re Criteria 1    | 19.15.29     | MAC (De      | pth to Gro   | oundwater is       | 50')        |  |
|--|----------------|---------------|------------------|--------------|--------------|--------------|--------------------|-------------|--|
|  |                | DEV           | ON ENERGY        | - BOOTE      | S 15 FED C   | OM #1 H      |                    |             |  |
| Date 6-7-2021 NM Approved Laboratory Results |                |               |                  |              |              |              |                    |             |  |
| Sample<br>ID                                 | Depth<br>(BGS) | BTEX<br>mg/kg | Benzene<br>mg/kg | GRO<br>mg/kg | DRO<br>mg/kg | MRO<br>mg/kg | Total TPH<br>mg/kg | Cl<br>mg/kg |  |
| CSW 1  | 2'             | ND            | ND               | ND           | ND           | ND           | ND                 | ND          |  |
| CSW 2  | 2'             | ND            | ND               | ND           | ND           | ND           | ND                 | 32          |  |
| CSW 3  | 3'             | ND            | ND               | ND           | ND           | ND           | ND                 | ND          |  |
| CSW 4  | 0-6"           | ND            | ND               | ND           | ND           | ND           | ND                 | ND          |  |
| CSW 5  | 2'             | ND            | ND               | ND           | ND           | ND           | ND                 | ND          |  |
| CSW 6  | 0-6"           | ND            | ND               | ND           | ND           | ND           | ND                 | ND          |  |
| CSW 7  | 2'             | ND            | ND               | ND           | ND           | ND           | ND                 | ND          |  |
| CSW 8  | 2'             | ND            | ND               | ND           | ND           | ND           | ND                 | ND          |  |
| CSW 9  | 2'             | ND            | ND               | ND           | ND           | ND           | ND                 | ND          |  |
| CSW 10                                       | 2'             | ND            | ND               | ND           | ND           | ND           | ND                 | ND          |  |
| CSW 11                                       | 2'             | ND            | ND               | ND           | ND           | ND           | ND                 | ND          |  |
| CSW 12                                       | 4'             | ND            | ND               | ND           | ND           | ND           | ND                 | ND          |  |
| CSW 13                                       | 4'             | ND            | ND               | ND           | ND           | ND           | ND                 | ND          |  |

ND- Analyte Not Detected

Complete Laboratory Reports are attached in Appendix E.

#### **Closure Request**

After careful review, Pima requests that this incident, NRM2014569455, be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

Should you have any questions or need additional information, please feel free to contact Tom Bynum at 575-964-7740 or tom@pimaoil.com.

Respectfully,

Tom Bynum Tom Bynum

**Environmental Project Manager** Pima Environmental Services, LLC

#### **Attachments**

#### Figures:

- 1- Location Map
- 2- Topo Map
- 3- Karst Map
- 4- Site Map
- 5- Confirmation Site Map

#### Appendices:

Appendix A – Referenced Water Surveys

Appendix B – Soil Survey and Geological Data

Appendix C – C-141's

Appendix D – Photographic Documentation

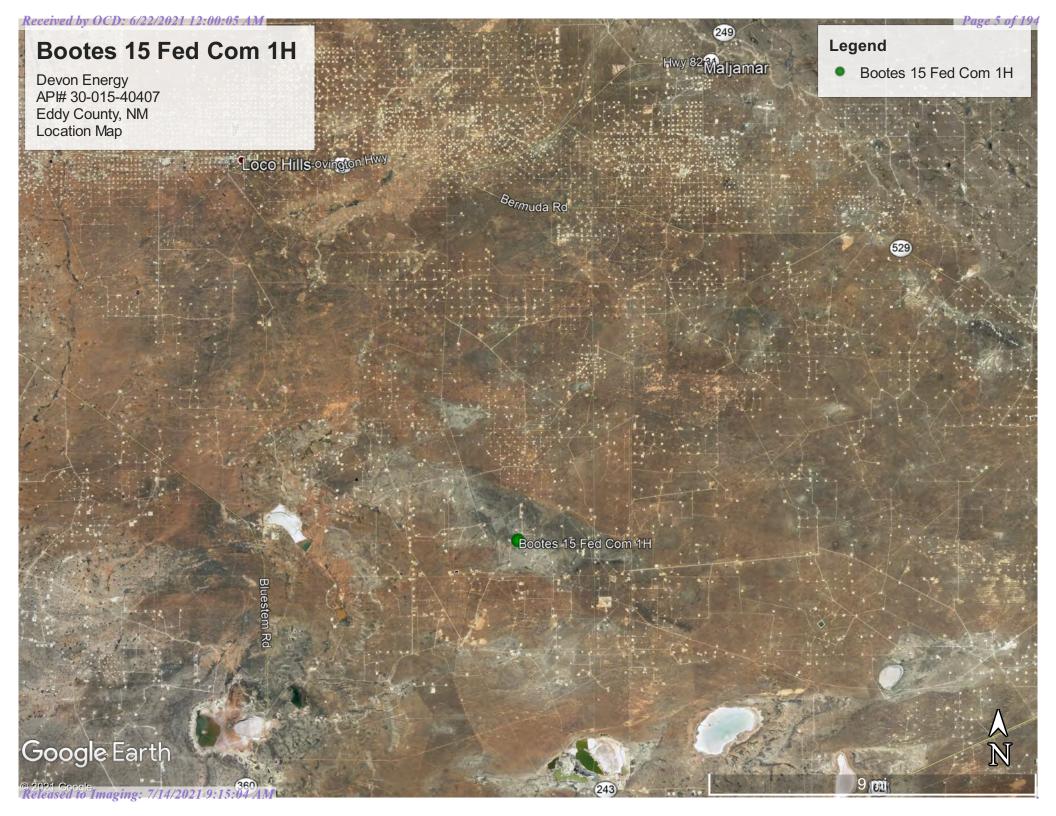
Appendix E - Laboratory Reports

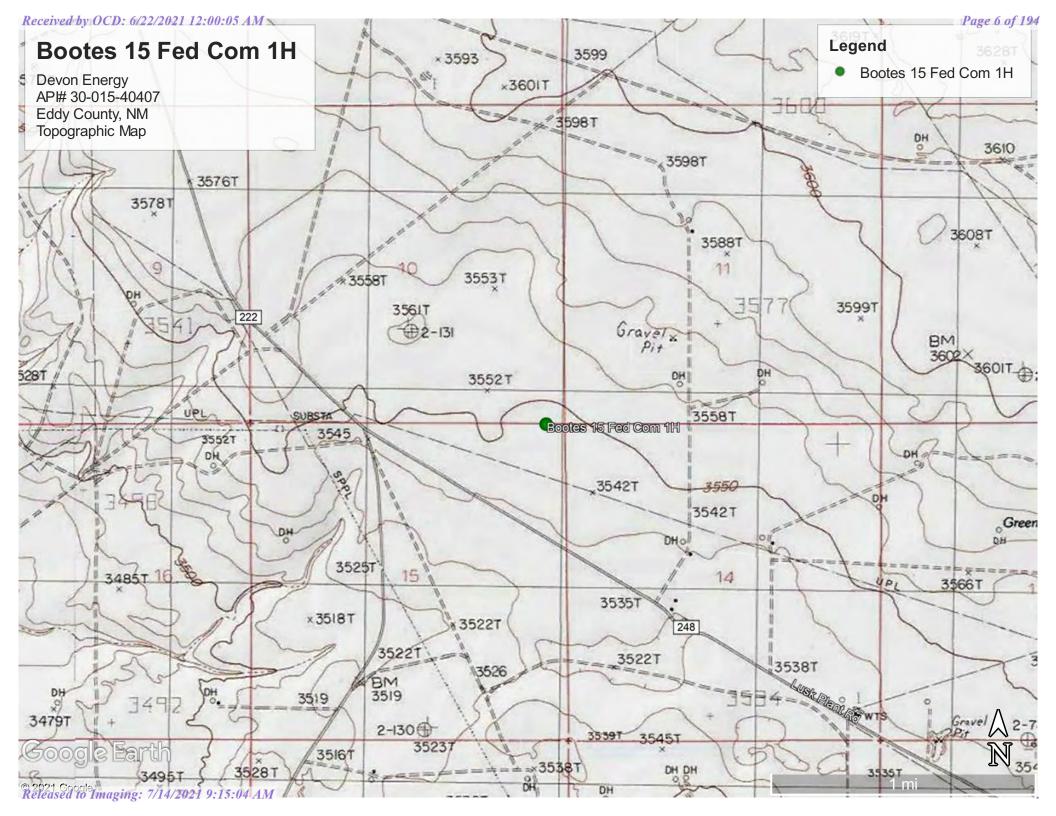
Appendix F - NMOCD-Approved Remediation Plan

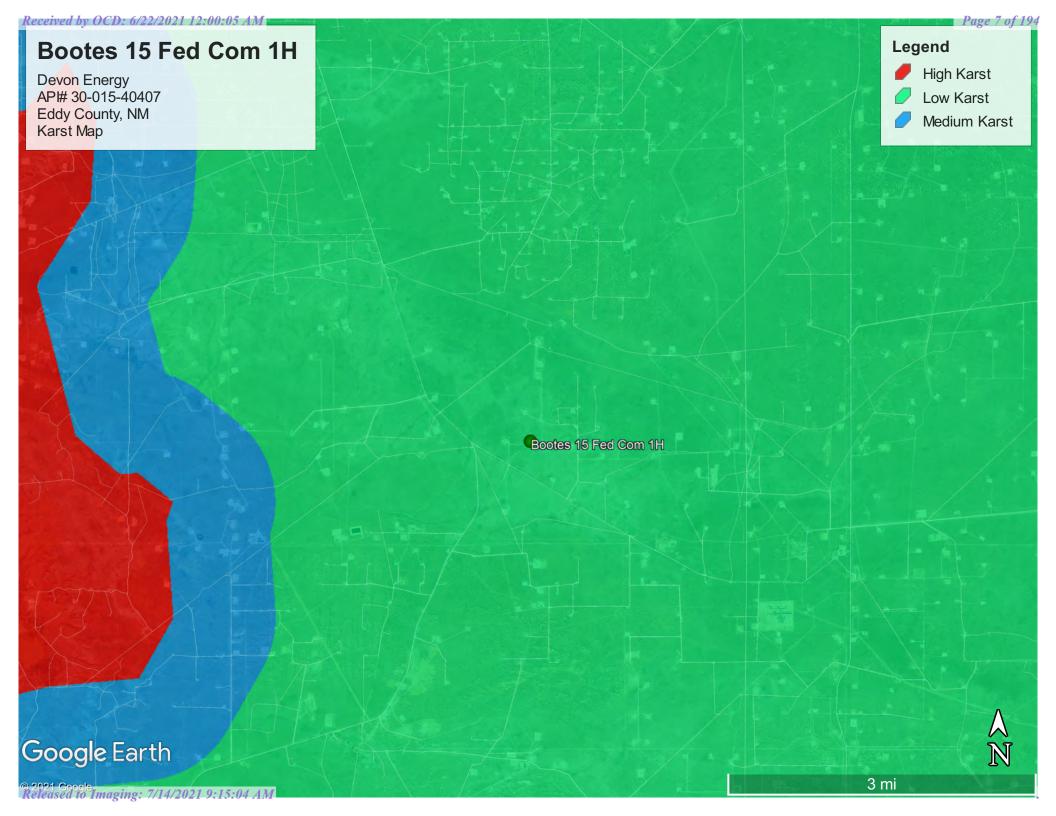


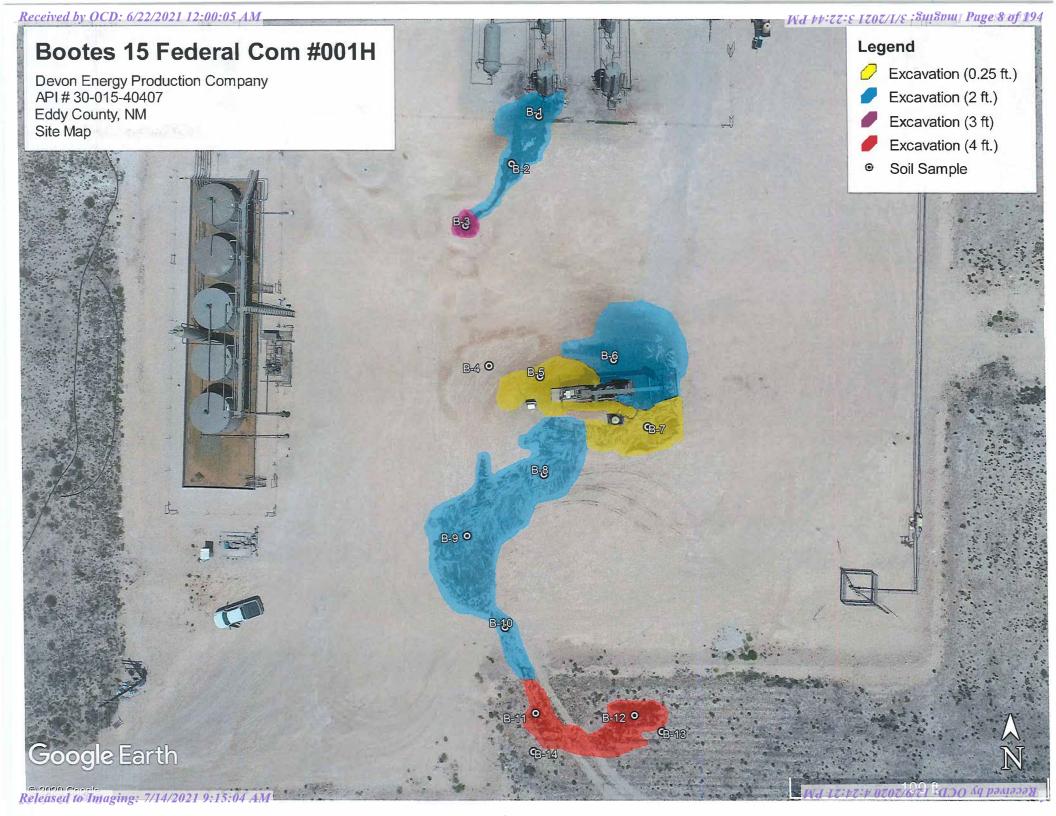
## Figures:

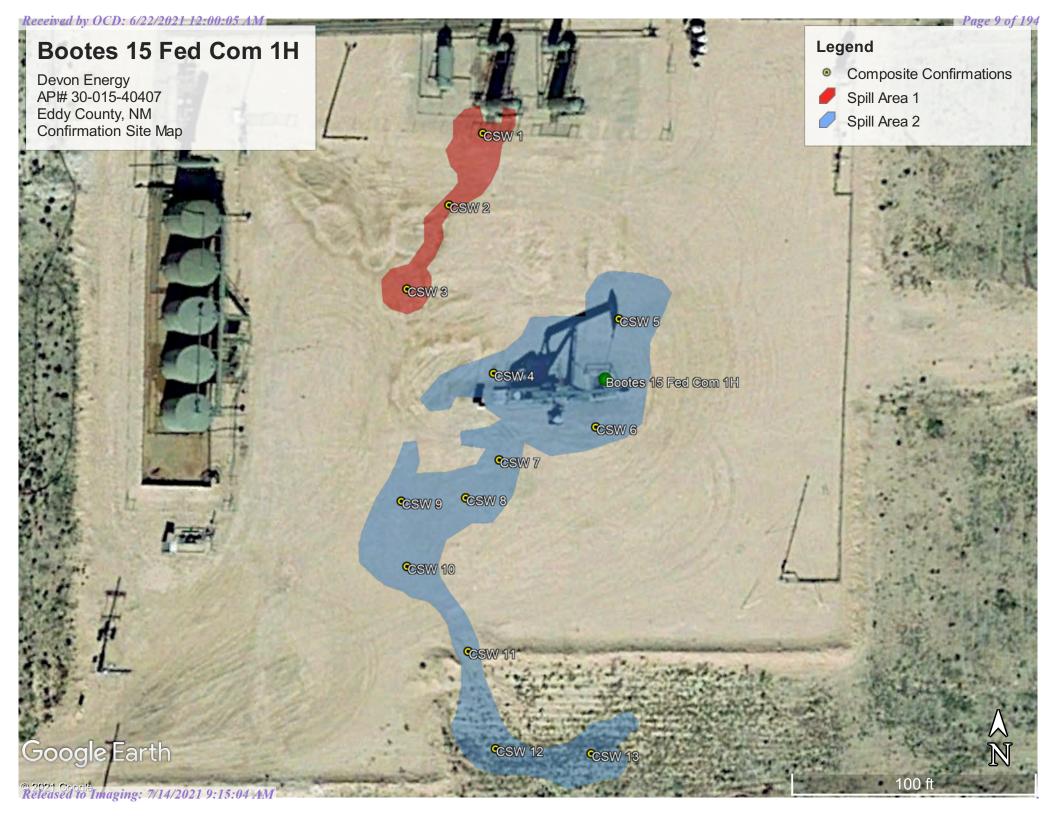
- 1 Location Map
- 2 Topo Map
- 3 Karst Map
- 4 Site Map
- 5 Confirmation Site Map













## Appendix A

Water Surveys:

OSE

**USGS** 

Surface Water Map



## 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)

POD

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

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

|                      |      | POD<br>Sub- |        | 0 | o | Λ |    |     |     |        |          |                  |             | ,      | Vater |
|----------------------|------|-------------|--------|---|---|---|----|-----|-----|--------|----------|------------------|-------------|--------|-------|
| POD Number           | Code |             | County | • | _ | - |    | Tws | Rng | X      | Y        | DistanceDep      | thWellDeptl |        |       |
| <u>CP 01554 POD1</u> |      | CP          | LE     | 2 | 2 | 1 | 22 | 19S | 31E | 607166 | 3613354  | 1762             | 400         |        |       |
| <u>CP 01554 POD2</u> |      | CP          | LE     | 2 | 2 | 1 | 22 | 19S | 31E | 607165 | 3613322  | 1792             | 400         |        |       |
| CP 00829 POD1        |      | CP          | LE     |   | 2 | 4 | 16 | 19S | 31E | 606165 | 3614009* | 1921             | 120         |        |       |
| <u>CP 00849 POD1</u> |      | CP          | LE     | 3 | 1 | 3 | 35 | 18S | 31E | 608012 | 3618757* | 3769             | 300         |        |       |
| <u>CP 00563 POD1</u> |      | CP          | LE     | 1 | 1 | 2 | 19 | 19S | 32E | 612118 | 3613376* | 4596             | 300         |        |       |
| <u>CP 00642 POD1</u> |      | CP          | ED     |   | 2 | 2 | 25 | 19S | 31E | 611025 | 3611657* | 4629             | 250         |        |       |
| <u>CP 00640 POD1</u> |      | CP          | LE     |   | 2 | 2 | 19 | 19S | 32E | 612621 | 3613280* | 5101             | 260         | 102    | 158   |
| <u>CP 01864 POD1</u> |      | CP          | ED     | 4 | 2 | 1 | 34 | 19S | 31E | 607068 | 3609824  | 5222             | 110         |        |       |
| <u>CP 00725 POD1</u> |      | CP          | ED     | 1 | 3 | 3 | 28 | 19S | 31E | 604906 | 3610473* | 5375             | 231         |        |       |
| <u>CP 00722 POD1</u> |      | CP          | LE     | 4 | 3 | 3 | 28 | 19S | 31E | 605106 | 3610273* | 5442             | 200         |        |       |
| <u>CP 00722 POD1</u> | R    | CP          | LE     | 4 | 3 | 3 | 28 | 19S | 31E | 605106 | 3610273* | 5442             | 200         |        |       |
| <u>CP 00723 POD1</u> |      | CP          | ED     | 2 | 1 | 1 | 33 | 19S | 31E | 605111 | 3610071* | 5616             | 139         |        |       |
| <u>CP 00639 POD1</u> |      | CP          | LE     |   | 3 | 1 | 20 | 19S | 32E | 613029 | 3612880* | 5625             | 350         | 345    | 5     |
| <u>CP 01656 POD2</u> |      | CP          | LE     | 3 | 4 | 3 | 17 | 19S | 32E | 613364 | 3613648  | 5708             | 70          |        |       |
| <u>CP 01656 POD1</u> |      | CP          | LE     | 3 | 4 | 3 | 17 | 19S | 32E | 613368 | 3613646  | 5713             | 70          |        |       |
| <u>CP 01656 POD3</u> |      | CP          | LE     | 3 | 4 | 3 | 17 | 19S | 32E | 613374 | 3613633  | 5721             | 30          |        |       |
| <u>CP 00722 POD3</u> |      | CP          | LE     | 2 | 4 | 1 | 33 | 19S | 31E | 605519 | 3609673* | 5794             | 220         | 140    | 80    |
| <u>CP 00641 POD1</u> |      | CP          | ED     |   | 4 | 1 | 36 | 19S | 31E | 610247 | 3609634* | 5884             | 300         | 130    | 170   |
|                      |      |             |        |   |   |   |    |     |     |        | Avera    | ge Depth to Wate | r:          | 179 fe | et    |
|                      |      |             |        |   |   |   |    |     |     |        |          | Minimum Dep      | th:         | 102 fe | et    |

Record Count: 18

UTMNAD83 Radius Search (in meters):

**Easting (X):** 607815.82 **Northing (Y):** 3614993 **Radius:** 6000

 ${}^{*}UTM$  location was derived from PLSS - see Help

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

6/15/21 2:41 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

345 feet

Maximum Depth:



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## **National Water Information System: Web Interface**

| 11000 | 30/   | D         |
|-------|-------|-----------|
| U5G5  | water | Resources |

| Data Category: |   | Geographic Area: |   |    |
|----------------|---|------------------|---|----|
| Groundwater    | ~ | United States    | ~ | GO |

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Groundwater levels for the Nation

\* IMPORTANT: Next Generation Station Page

#### Search Results -- 1 sites found

site\_no list =

324159103503801

#### Minimum number of levels = 1

Save file of selected sites to local disk for future upload

#### USGS 324159103503801 18S.31E.35.31324

Available data for this site Groundwater: Field measurements GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°42'07.3", Longitude 103°50'50.1" NAD83

Land-surface elevation 3,630 feet above NAVD88

The depth of the well is 300 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

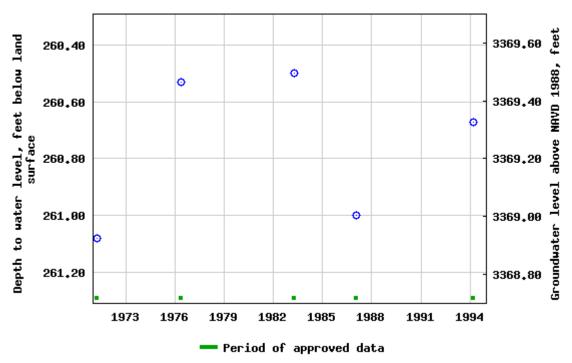
This well is completed in the Chinle Formation (231CHNL) local aguifer.

#### **Output formats**

| Table of data      |  |
|--------------------|--|
| Tab-separated data |  |
| Graph of data      |  |
| Reselect period    |  |

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#### USGS 324159103503801 185,31E,35,31324



Breaks in the plot represent a gap of at least one year between field measurements. <u>Download a presentation-quality graph</u>

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0.77 0.64 nadww01





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### **National Water Information System: Web Interface**

**USGS Water Resources** 

| Data Category: | Geographic Area: |   |    |
|----------------|------------------|---|----|
| Groundwater ~  | United States    | ~ | GO |

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#### Search Results -- 1 sites found

site\_no list =

• 323810103511401

#### Minimum number of levels = 1

Save file of selected sites to local disk for future upload

#### USGS 323810103511401 19S.31E.27.214121

Available data for this site Groundwater: Field measurements 
GO

Eddy County, New Mexico
Hydrologic Unit Code 13060011
Latitude 32°38'10", Longitude 103°51'14" NAD27
Land-surface elevation 3,480 feet above NGVD29
The depth of the well is 210.00 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

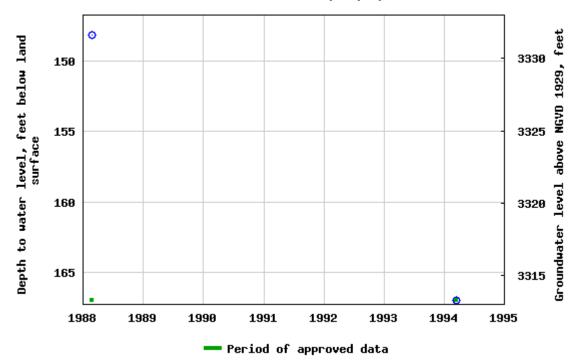
This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

#### **Output formats**

| Table of data      |
|--------------------|
| Tab-separated data |
| Graph of data      |
| Reselect period    |

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#### USGS 323810103511401 195.31E.27.214121



Breaks in the plot represent a gap of at least one year between field measurements. <u>Download a presentation-quality graph</u>

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Title: Groundwater for USA: Water Levels

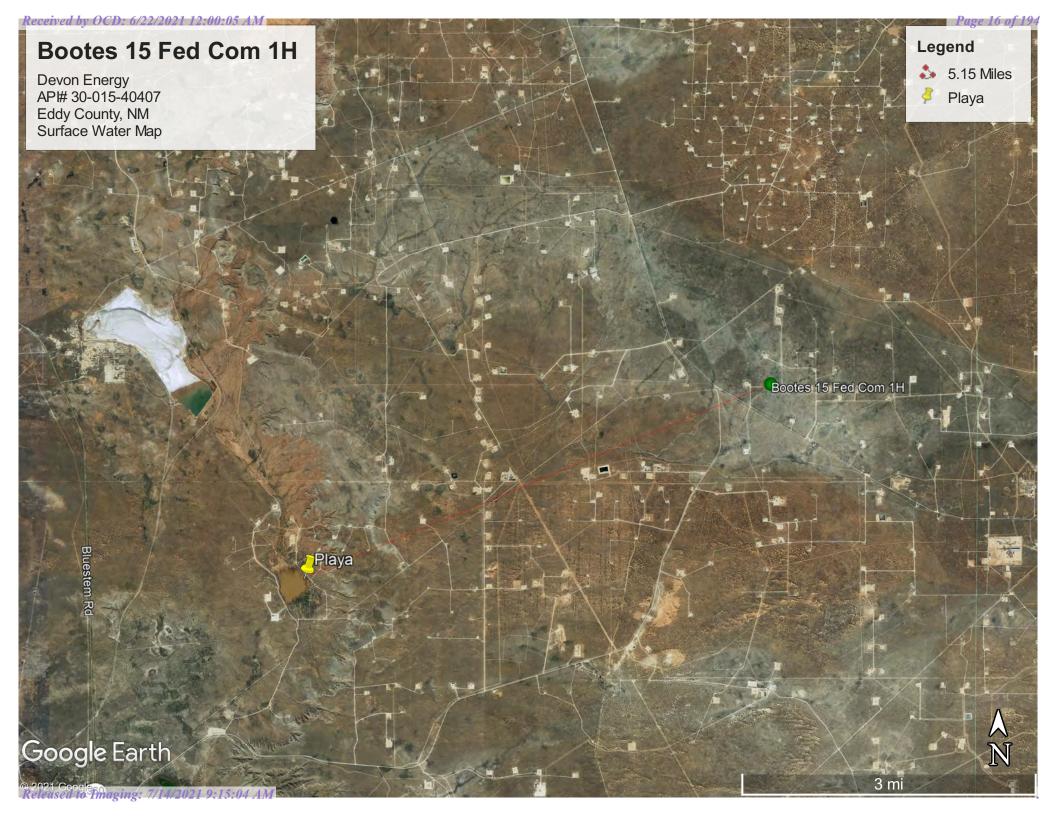
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u>

Page Last Modified: 2021-06-15 16:43:59 EDT

0.66 0.59 nadww01







## Appendix B

Soil Survey & Geological Data FEMA Flood Map

### **Eddy Area, New Mexico**

#### KT—Kimbrough-Stegall loams, 0 to 3 percent slopes

#### **Map Unit Setting**

National map unit symbol: 1w4t Elevation: 2,750 to 5,000 feet

Mean annual precipitation: 8 to 16 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 230 days

Farmland classification: Not prime farmland

#### **Map Unit Composition**

Kimbrough and similar soils: 70 percent Stegall and similar soils: 25 percent Minor components: 5 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

#### **Description of Kimbrough**

#### Setting

Landform: Alluvial fans, plains

Landform position (three-dimensional): Rise, talf

Down-slope shape: Linear, convex

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

#### Typical profile

H1 - 0 to 3 inches: loam H2 - 3 to 9 inches: loam H3 - 9 to 60 inches: indurated

#### Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 8 to 20 inches to petrocalcic

Drainage class: Well drained Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): Very low

to moderately low (0.00 to 0.06 in/hr) Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 15 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0

mmhos/cm)

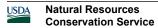
Sodium adsorption ratio, maximum: 1.0

Available water capacity: Very low (about 1.3 inches)

#### Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s



Hydrologic Soil Group: D

Ecological site: R042XC025NM - Shallow

Hydric soil rating: No

#### **Description of Stegall**

#### Setting

Landform: Alluvial fans, plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear, convex

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

#### Typical profile

H1 - 0 to 5 inches: loam
H2 - 5 to 28 inches: clay loam
H3 - 28 to 32 inches: indurated
H4 - 32 to 60 inches: variable

#### Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 20 to 40 inches to petrocalcic

Drainage class: Well drained Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat): Low to

moderately high (0.01 to 0.60 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 90 percent Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0

mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water capacity: Low (about 4.8 inches)

#### Interpretive groups

Land capability classification (irrigated): 3e Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: C

Ecological site: R042XC007NM - Loamy

Hydric soil rating: No

#### **Minor Components**

#### Simona

Percent of map unit: 5 percent

Ecological site: R042XC002NM - Shallow Sandy

Hydric soil rating: No

#### **Data Source Information**

Soil Survey Area: Eddy Area, New Mexico Survey Area Data: Version 16, Jun 8, 2020



## **Eddy Area, New Mexico**

# SN—Simona and Wink fine sandy loams, 0 to 3 percent slopes, eroded

#### Map Unit Setting

National map unit symbol: 1w5y Elevation: 3,000 to 4,200 feet

Mean annual precipitation: 10 to 14 inches Mean annual air temperature: 60 to 64 degrees F

Frost-free period: 200 to 220 days

Farmland classification: Not prime farmland

#### **Map Unit Composition**

Simona and similar soils: 45 percent Wink and similar soils: 40 percent Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

#### **Description of Simona**

#### Setting

Landform: Alluvial fans, plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear, convex

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

#### **Typical profile**

H1 - 0 to 19 inches: fine sandy loam H2 - 19 to 23 inches: indurated

#### **Properties and qualities**

Slope: 0 to 3 percent

Depth to restrictive feature: 7 to 20 inches to petrocalcic

Drainage class: Well drained Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): Very low

to moderately low (0.00 to 0.06 in/hr) Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 15 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0

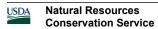
mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water capacity: Very low (about 2.5 inches)

#### Interpretive groups

Land capability classification (irrigated): 4s Land capability classification (nonirrigated): 7e



Hydrologic Soil Group: D

Ecological site: R042XC002NM - Shallow Sandy

Hydric soil rating: No

#### **Description of Wink**

#### Setting

Landform: Depressions, swales

Landform position (three-dimensional): Talf

Down-slope shape: Convex Across-slope shape: Convex

Parent material: Mixed alluvium and/or eolian sands

#### Typical profile

H1 - 0 to 8 inches: fine sandy loam H2 - 8 to 38 inches: fine sandy loam

H3 - 38 to 60 inches: stratified gravelly variable

#### **Properties and qualities**

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained Runoff class: Very low

Capacity of the most limiting layer to transmit water (Ksat): High

(2.00 to 6.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 30 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0

mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water capacity: Low (about 6.0 inches)

#### Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: A

Ecological site: R042XC004NM - Sandy

Hydric soil rating: No

#### **Minor Components**

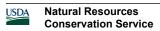
#### **Dune land**

Percent of map unit: 15 percent

Hydric soil rating: No

#### **Data Source Information**

Soil Survey Area: Eddy Area, New Mexico Survey Area Data: Version 16, Jun 8, 2020



# National Flood Hazard Layer FIRMette





SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD HAZARD AREAS Regulatory Floodway 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X **Future Conditions 1% Annual** Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X OTHER AREAS OF FLOOD HAZARD Area with Flood Risk due to Levee Zone D NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zone D - - - Channel, Culvert, or Storm Sewer **GENERAL** STRUCTURES | LILLIL Levee, Dike, or Floodwall 20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation **Coastal Transect** Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary -- Coastal Transect Baseline OTHER **Profile Baseline FEATURES** Hydrographic Feature Digital Data Available

> The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

No Digital Data Available

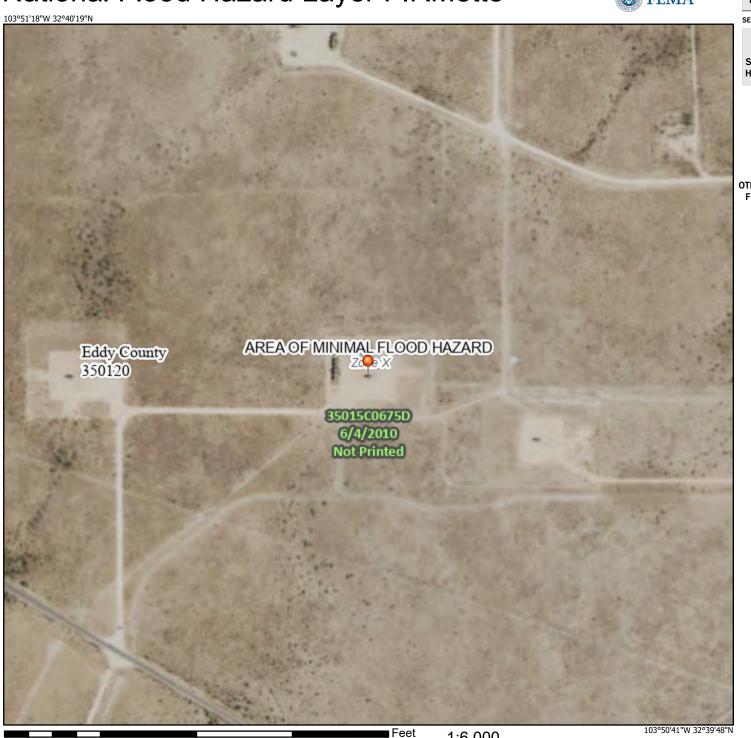
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

Unmapped

MAP PANELS

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/15/2021 at 5:30 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.





## Appendix C

C-141's:

Initial

Final

Released to Imaging: 7/14/202E 9:15:04/AM

District 1625 N District 811 S. District 1000 R District 1220 S.

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    | NRM2014569455 |
|----------------|---------------|
| District RP    |               |
| Facility ID    |               |
| Application ID |               |

## Release Notification

## **Responsible Party**

| Responsible  | Party Devo             | n Energy Produ | ction Company    | OGRID 6137  |
|--------------|------------------------|----------------|------------------|---|
|              | <sup>nė</sup> Wesley l |                |                  | Contact Telephone 575-748-6195                    |
|              |                        | Mathews@dvn    | .com             | Incident # (assigned by OCD)                      |
|              |                        | 6488 Seven Ri  |                  |   |
|              |                        |                | Location o       | f Release Source                                  |
| Latitude 32  | 2.6676                 |                | (NAD 83 in decim | Longitude103.8497 al degrees to 5 decimal places) |
| Site Name Bo | ootes 15 F             | ed Com 1H      |                  | Site Type Oil                                     |
| Date Release |                        |                |                  | API# (if applicable) 30-015-40407                 |
| Unit Letter  | Section                | Township       | Range            | County  |
| Α            | 15                     | 198            | 31E              | Eddy  |
| urface Owner | ∵                      | Federal 🗌 Tri  | bal Private (Nan | ne:)  |
|              |                        |                | Nature and V     | Volume of Release                                 |

| Materi                 | al(s) Released (Select all that apply and attach calculations or specific                | justification for the volumes provided below) |
|------------------------|--|---|
| Crude Oil              | Volume Released (bbls) 10.79 BBLS  | Volume Recovered (bbls) 3 BBLS                |
| Produced Water         | Volume Released (bbls) 21,44 BBLS  | Volume Recovered (bbls) 2 BBLS                |
|                        | Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l? | Yes No  |
| Condensate             | Volume Released (bbls)   | Volume Recovered (bbls)                       |
| ☐ Natural Gas          | Volume Released (Mcf)  | Volume Recovered (Mcf)                        |
| Other (describe)       | Volume/Weight Released (provide units)   | Volume/Weight Recovered (provide units)       |
|                        |  |   |
| Cause of Release Fluid | released from stuffing box on the well. So   | me fluid ran off pad.                         |
|                        |  |   |
|                        |  |   |
|                        |  |   |
|                        |  |   |

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| Received by OCD: | 5/22/2020 3:13:24 PM      |
|------------------|---------------------------|
| Form C-141       | State of New Mexico       |
| Page 2           | Oil Conscrvation Division |

|                | Page 2-0      |
|----------------|---------------|
| Incident ID    | NRM2014569455 |
| District RP    |               |
| Facility ID    |               |
| Application ID |               |

| Was this a major   | If YES, for what reason(s) does  | the responsible party consider this a major release?   |
|--|--|--|
| release as defined by 19.15.29.7(A) NMAC?                        | This is considered a major   | or release because it is over 25 BBLS.   |
| 19.15,29.7(A) NWIAC?   |  |  |
| ☐ Yes ☐ No   |  |  |
|  |  |  |
|  | La de Compa Da de  | 0. T.   0. W(   11   11   11   11   11   11   11   |
|  | <del>-</del>   | n? To whom? When and by what means (phone, email, etc)?  |
|  | om Wesley Mathews on 5/  | nne, Robert Hamlet, Jim Griswold, Mike Bratcher, and   |
|  |  | 1116060  |
|  | Ini  | tial Response  |
| The responsible p  | party must undertake the following actions                                       | immediately unless they could create a safety hazard that would result in injury   |
| The source of the rele   | ase has been stopped.  |  |
| The impacted area has  | s been secured to protect human he   | ealth and the environment.   |
| Released materials have  | ve been contained via the use of bo  | erms or dikes, absorbent pads, or other containment devices.   |
|  | coverable materials have been rem  |  |
|  | above have not been undertaken,  |  |
| The spill was not in o   |  |  |
| The spin rise her in   |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
| Per 19.15.29.8 B. (4) NMA  | AC the responsible party may com   | mence remediation immediately after discovery of a release. If remediation   |
| has begun, please attach a                                       | narrative of actions to date. If re  | emedial efforts have been successfully completed or if the release occurred MAC), please attach all information needed for closure evaluation.                     |
|  |  | l l  |
| regulations all operators are re                                 | equired to report and/or file certain rele                                       | to to the best of my knowledge and understand that pursuant to OCD rules and ease notifications and perform corrective actions for releases which may endanger     |
| nublic health or the environme                                   | ent. The acceptance of a C-141 report  | by the OCD does not relieve the operator of liability should their operations have use a threat to groundwater, surface water, human health or the environment. In |
| tailed to adequately investigat<br>addition, OCD acceptance of a | e and remediate contamination that po<br>a C-141 report does not relieve the ope | erator of responsibility for compliance with any other federal, state, or local laws   |
| and/or regulations.  |  |  |
| Printed Name: Kendra   | ı DeHoyos  | Title: EHS Associate   |
| Signature: <u>Kendra l</u>                                       | De Hoyos   | Date: 5/22/2020  |
| <sub>email:</sub> Kendra.DeH                                     | loyos@dvn.com  | Telephone: 575-748-0167  |
| sman.  |  | . 5.0510101  |
| OCD Only   |  |  |
| Received by Ramona M   | farcus   | Date: 5/24/2020  |



## State of New Mexico Oil Conservation Division

| Incident ID    | NRM2014569455 |
|----------------|---------------|
| District RP    |               |
| Facility ID    | 30-015-40407  |
| Application ID |               |

## Site Assessment/Characterization

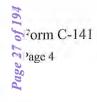
This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

| What is the shallowest depth to groundwater beneath the area affected by the release?  | (ft bgs)   |  |
|--|------------|--|
| Did this release impact groundwater or surface water?  | ☐ Yes ⊠ No |  |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?   | ☐ Yes ⊠ No |  |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?   | ☐ Yes ⊠ No |  |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?   | ☐ Yes ⊠ No |  |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?  | ☐ Yes ⊠ No |  |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?   | ☐ Yes ⊠ No |  |
| Are the lateral extents of the release within incorporated municipal houndaries or within a defined municipal fresh water well field?  | ☐ Yes ⊠ No |  |
| Are the lateral extents of the release within 300 feet of a wetland?   | ☐ Yes ⊠ No |  |
| Are the lateral extents of the release overlying a subsurface mine?  | ☐ Yes ⊠ No |  |
| Are the lateral extents of the release overlying an unstable area such as karst geology?   | ☐ Yes ⊠ No |  |
| Are the lateral extents of the release within a 100-year floodplain?   | ☐ Yes ⊠ No |  |
| Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?   | ⊠ Yes □ No |  |
| Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics. |            |  |
| Characterization Report Checklist: Each of the following items must be included in the report.   |            |  |

|              | Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. |
|--------------|---|
|              | Field data  |
|              | Data table of soil contaminant concentration data   |
| $\mathbb{Z}$ | Depth to water determination  |
|              | Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release         |
|              | Boring or excavation logs   |
|              | Photographs including date and GIS information  |
|              | Topographic/Aerial maps Laboratory data including chain of custody  |
|              | Laboratory data including chain of custody  |

the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation an. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan demethods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

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## State of New Mexico Oil Conservation Division

| Incident ID    | NRM2014569455 |
|----------------|---------------|
| District RP    |               |
| Facility ID    | 30-015-40407  |
| 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: Brandon Sinclair   | Title: Environmental Project Manager |  |
| Signature: Brank Sint  | Date: 12-3-2020                      |  |
| email: bsinclair@talonlpe.com  | Telephone: 575-746-8768              |  |
| OCD Only   |                                      |  |
| Received by:   | Date:                                |  |



## State of New Mexico Oil Conservation Division

| Incident ID    | NRM2014569455     |
|----------------|-------------------|
| District RP    | THE REPORT OF THE |
| Facility ID    | 30-015-40407      |
| Application ID |                   |

Released to Imaging: 7/14/2028 9:15:04-AM

# Remediation Plan

| Remediation Plan Checklist: Each of the following its   | ems must be included in the plan.  |  |
|---|--|--|
| <ul> <li>☑ Detailed description of proposed remediation technique</li> <li>☑ Scaled sitemap with GPS coordinates showing delineation points</li> <li>☑ Estimated volume of material to be remediated</li> <li>☑ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC</li> <li>☑ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)</li> </ul> |  |  |
| Deferral Requests Only: Each of the following items i   | must be confirmed as part of any request for deferral of remediation.  |  |
| Contamination must be in areas immediately under of deconstruction.   | or around production equipment where remediation could cause a major facility  |  |
| ☐ Extents of contamination must be fully delineated.  |  |  |
| Contamination does not cause an imminent risk to hu   | uman health, the environment, or groundwater.  |  |
| rules and regulations all operators are required to report a<br>which may endanger public health or the environment. This is a should their operations have failed to adequately  | and complete to the best of my knowledge and understand that pursuant to OCD and/or file certain release notifications and perform corrective actions for releases. The acceptance of a C-141 report by the OCD does not relieve the operator of investigate and remediate contamination that pose a threat to groundwater, tion, OCD acceptance of a C-141 report does not relieve the operator of e, or local laws and/or regulations. |  |
| Printed Name: Brandon Sinclair  | Title: Environmental Project Manager   |  |
| Signature: 2 Signature:   | Date: 12-3-2020  |  |
| email: bsinclair@talonlpe.com   | Telephone: 575-746-8768  |  |
| OCD Only  |  |  |
| Received by: Chad Hensley   | Date: 03/1/2021  |  |
| ■ Approved with Attached Cor  | nditions of Approval   |  |
| Signature: Child Hend   | Date: 03/01/2021   |  |
|   |  |  |

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| Incident ID    | NRM2014569455 |
|----------------|---------------|
| District RP    |               |
| Facility ID    |               |
| Application ID |               |

## Closure

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

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

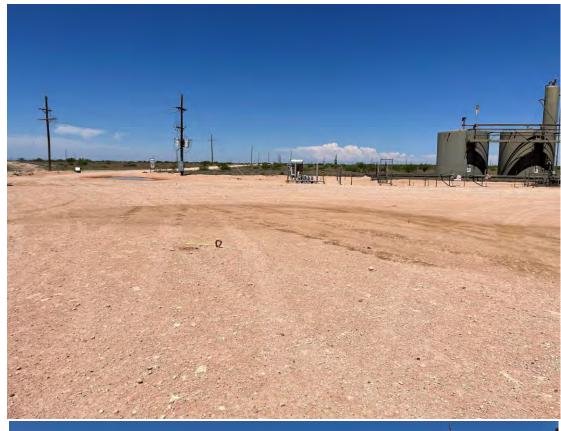
| ✓ A scaled site and sampling diagram as described in 19.15.29.11 NMAC   |   |  |
|---|---|--|
| Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)   |   |  |
| ☐ Laboratory analyses of final sampling (Note: appropriate OD   | C District office must be notified 2 days prior to final sampling)  |  |
| Description of remediation activities   |   |  |
|   |   |  |
| and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rehuman health or the environment. In addition, OCD acceptance of   | ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.  Title: EHS Professional |  |
|   |   |  |
| OCD Only  Received by: Chad Hensley   | Date: <u>07/14/2021</u>   |  |
| Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations. |   |  |
| Closure Approved by:  | Date: 07/14/2021  |  |
| Printed Name: Chad Hensley  | Title: Environmental Specialist Advanced  |  |



## Appendix D

Photographic Documentation



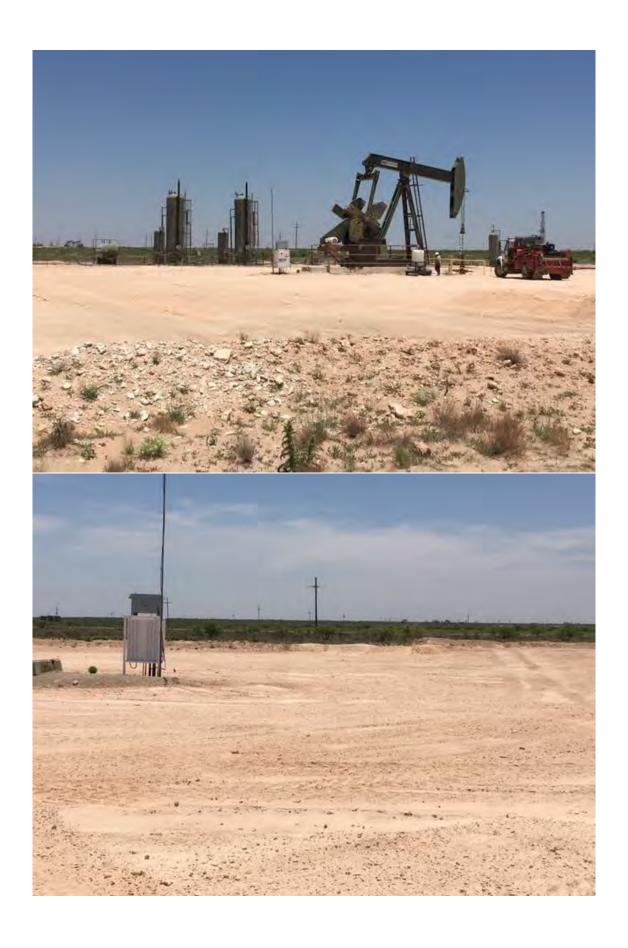


















# Appendix E

Laboratory Reports



June 10, 2021

TOM BYNUM
PIMA ENVIROMENTAL
1601 N TURNER STE. 500
HOBBS, NM 88240

RE: BOOTES 15 FED COM 1

Enclosed are the results of analyses for samples received by the laboratory on 06/08/21 8:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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:

PIMA ENVIROMENTAL TOM BYNUM 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 06/08/2021 Reported: 06/10/2021

Project Name: BOOTES 15 FED COM 1

Project Number: 114

Project Location: DEVON - EDDY CO NM

Sampling Date: 06/07/2021

Sampling Type: Soil

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

#### Sample ID: CSW 1 (H211465-01)

| BTEX 8021B                           | mg     | /kg             | Analyze    | d By: MS     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 06/08/2021 | ND           | 1.97 | 98.6       | 2.00          | 0.640 |           |
| Toluene*                             | <0.050 | 0.050           | 06/08/2021 | ND           | 2.09 | 105        | 2.00          | 0.110 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 06/08/2021 | ND           | 2.06 | 103        | 2.00          | 0.250 | GC-NC     |
| Total Xylenes*                       | <0.150 | 0.150           | 06/08/2021 | ND           | 6.20 | 103        | 6.00          | 0.637 |           |
| Total BTEX                           | <0.300 | 0.300           | 06/08/2021 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 98.9   | % 69.9-14       | 0          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg     | /kg             | Analyze    | d By: GM     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | <16.0  | 16.0            | 06/09/2021 | ND           | 416  | 104        | 400           | 3.92  |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | d By: MS     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 06/09/2021 | ND           | 190  | 95.1       | 200           | 0.599 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 06/09/2021 | ND           | 193  | 96.3       | 200           | 1.47  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 06/09/2021 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 86.6   | % 44.3-13       | 3          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 83.3   | % 38.9-14       | 2          |              |      |            |               |       |           |

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 whistoever 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.

Celey D. Keene



#### Analytical Results For:

PIMA ENVIROMENTAL TOM BYNUM 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 06/08/2021 Reported: 06/10/2021

Project Name: BOOTES 15 FED COM 1

Project Number: 114

Project Location: DEVON - EDDY CO NM

Sampling Date: 06/07/2021

Sampling Type: Soil

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

#### Sample ID: CSW 2 (H211465-02)

| BTEX 8021B                           | mg     | /kg             | Analyze    | d By: MS     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 06/08/2021 | ND           | 1.97 | 98.6       | 2.00          | 0.640 |           |
| Toluene*                             | <0.050 | 0.050           | 06/08/2021 | ND           | 2.09 | 105        | 2.00          | 0.110 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 06/08/2021 | ND           | 2.06 | 103        | 2.00          | 0.250 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 06/08/2021 | ND           | 6.20 | 103        | 6.00          | 0.637 |           |
| Total BTEX                           | <0.300 | 0.300           | 06/08/2021 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 99.4   | % 69.9-14       | 0          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | d By: GM     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | 32.0   | 16.0            | 06/09/2021 | ND           | 416  | 104        | 400           | 3.92  |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | d By: MS     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 06/09/2021 | ND           | 190  | 95.1       | 200           | 0.599 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 06/09/2021 | ND           | 193  | 96.3       | 200           | 1.47  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 06/09/2021 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 91.0   | % 44.3-13       | 3          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 88.0   | % 38.9-14       | 22         |              |      |            |               |       |           |
|                                      |        |                 |            |              |      |            |               |       |           |

#### Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



#### Analytical Results For:

PIMA ENVIROMENTAL TOM BYNUM 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 06/08/2021 Reported: 06/10/2021

Project Name: BOOTES 15 FED COM 1

Project Number: 114

Project Location: DEVON - EDDY CO NM

Sampling Date: 06/07/2021

Sampling Type: Soil

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

#### Sample ID: CSW 3 (H211465-03)

| BTEX 8021B                           | mg     | /kg             | Analyze    | ed By: MS    |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 06/08/2021 | ND           | 1.97 | 98.6       | 2.00          | 0.640 |           |
| Toluene*                             | <0.050 | 0.050           | 06/08/2021 | ND           | 2.09 | 105        | 2.00          | 0.110 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 06/08/2021 | ND           | 2.06 | 103        | 2.00          | 0.250 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 06/08/2021 | ND           | 6.20 | 103        | 6.00          | 0.637 |           |
| Total BTEX                           | <0.300 | 0.300           | 06/08/2021 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 105    | % 69.9-14       | 0          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: GM    |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | <16.0  | 16.0            | 06/09/2021 | ND           | 416  | 104        | 400           | 3.92  |           |
| TPH 8015M                            | mg     | /kg             | Analyze    | ed By: MS    |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 06/09/2021 | ND           | 190  | 95.1       | 200           | 0.599 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 06/09/2021 | ND           | 193  | 96.3       | 200           | 1.47  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 06/09/2021 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 87.0   | % 44.3-13       | 3          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 83.7   | % 38.9-14       | 2          |              |      |            |               |       |           |
|                                      |        |                 |            |              |      |            |               |       |           |

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Celey D. Kreine



#### Analytical Results For:

PIMA ENVIROMENTAL TOM BYNUM 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 06/08/2021 Reported: 06/10/2021

Project Name: BOOTES 15 FED COM 1

Project Number: 114

DEVON - EDDY CO NM Project Location:

Sampling Date: 06/07/2021

Sampling Type: Soil

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

#### Sample ID: CSW 4 (H211465-04)

| BTEX 8021B                           | mg/    | kg              | Analyze         | d By: MS     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 06/08/2021      | ND           | 1.97 | 98.6       | 2.00          | 0.640 |           |
| Toluene*                             | <0.050 | 0.050           | 06/08/2021      | ND           | 2.09 | 105        | 2.00          | 0.110 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 06/08/2021      | ND           | 2.06 | 103        | 2.00          | 0.250 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 06/08/2021      | ND           | 6.20 | 103        | 6.00          | 0.637 |           |
| Total BTEX                           | <0.300 | 0.300           | 06/08/2021      | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 102 9  | 69.9-14         | 0               |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg/    | kg              | Analyzed By: GM |              |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | <16.0  | 16.0            | 06/09/2021      | ND           | 416  | 104        | 400           | 3.92  |           |
| TPH 8015M                            | mg/    | kg              | Analyze         | d By: MS     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 06/09/2021      | ND           | 190  | 95.1       | 200           | 0.599 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 06/09/2021      | ND           | 193  | 96.3       | 200           | 1.47  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 06/09/2021      | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 91.9   | % 44.3-13       | 3               |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 87.0   | % 38.9-14       | 2               |              |      |            |               |       |           |

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#### Analytical Results For:

PIMA ENVIROMENTAL TOM BYNUM 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 06/08/2021 Reported: 06/10/2021

Project Name: BOOTES 15 FED COM 1

Project Number: 114

DEVON - EDDY CO NM Project Location:

Sampling Date: 06/07/2021

Sampling Type: Soil

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

#### Sample ID: CSW 5 (H211465-05)

| BTEX 8021B                           | mg/    | /kg             | Analyze         | d By: MS     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 06/08/2021      | ND           | 1.97 | 98.6       | 2.00          | 0.640 |           |
| Toluene*                             | <0.050 | 0.050           | 06/08/2021      | ND           | 2.09 | 105        | 2.00          | 0.110 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 06/08/2021      | ND           | 2.06 | 103        | 2.00          | 0.250 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 06/08/2021      | ND           | 6.20 | 103        | 6.00          | 0.637 |           |
| Total BTEX                           | <0.300 | 0.300           | 06/08/2021      | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 98.0   | % 69.9-14       | 0               |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg/    | /kg             | Analyzed By: GM |              |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | <16.0  | 16.0            | 06/09/2021      | ND           | 416  | 104        | 400           | 3.92  |           |
| TPH 8015M                            | mg/    | /kg             | Analyze         | d By: MS     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 06/09/2021      | ND           | 190  | 95.1       | 200           | 0.599 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 06/09/2021      | ND           | 193  | 96.3       | 200           | 1.47  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 06/09/2021      | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 88.8   | % 44.3-13       | 3               |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 87.8   | % 38.9-14       | 2               |              |      |            |               |       |           |

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#### Analytical Results For:

PIMA ENVIROMENTAL TOM BYNUM 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 06/08/2021 Reported: 06/10/2021

Project Name: BOOTES 15 FED COM 1

Project Number: 114

DEVON - EDDY CO NM Project Location:

Sampling Date: 06/07/2021

Sampling Type: Soil

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

#### Sample ID: CSW 6 (H211465-06)

| BTEX 8021B                           | mg/    | 'kg             | Analyze    | d By: MS     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 06/08/2021 | ND           | 1.97 | 98.6       | 2.00          | 0.640 |           |
| Toluene*                             | <0.050 | 0.050           | 06/08/2021 | ND           | 2.09 | 105        | 2.00          | 0.110 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 06/08/2021 | ND           | 2.06 | 103        | 2.00          | 0.250 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 06/08/2021 | ND           | 6.20 | 103        | 6.00          | 0.637 |           |
| Total BTEX                           | <0.300 | 0.300           | 06/08/2021 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 98.7   | % 69.9-14       | 0          |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                 | mg/    | 'kg             | Analyze    | d By: GM     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | <16.0  | 16.0            | 06/09/2021 | ND           | 416  | 104        | 400           | 3.92  |           |
| TPH 8015M                            | mg/    | /kg             | Analyze    | d By: MS     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 06/09/2021 | ND           | 190  | 95.1       | 200           | 0.599 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 06/09/2021 | ND           | 193  | 96.3       | 200           | 1.47  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 06/09/2021 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 94.0   | % 44.3-13       | 3          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 92.3   | % 38.9-14       | 2          |              |      |            |               |       |           |

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#### Analytical Results For:

PIMA ENVIROMENTAL TOM BYNUM 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 06/08/2021 Reported: 06/10/2021

Project Name: BOOTES 15 FED COM 1

Project Number: 114

Project Location: DEVON - EDDY CO NM

Sampling Date: 06/07/2021

Sampling Type: Soil

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

#### Sample ID: CSW 7 (H211465-07)

| BTEX 8021B                           | mg     | /kg             | Analyze    | d By: MS     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 06/08/2021 | ND           | 1.97 | 98.6       | 2.00          | 0.640 |           |
| Toluene*                             | <0.050 | 0.050           | 06/08/2021 | ND           | 2.09 | 105        | 2.00          | 0.110 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 06/08/2021 | ND           | 2.06 | 103        | 2.00          | 0.250 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 06/08/2021 | ND           | 6.20 | 103        | 6.00          | 0.637 |           |
| Total BTEX                           | <0.300 | 0.300           | 06/08/2021 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 100    | % 69.9-14       | 0          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | d By: GM     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | <16.0  | 16.0            | 06/09/2021 | ND           | 416  | 104        | 400           | 3.92  |           |
| TPH 8015M                            | mg     | /kg             | Analyze    | d By: MS     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 06/09/2021 | ND           | 190  | 95.1       | 200           | 0.599 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 06/09/2021 | ND           | 193  | 96.3       | 200           | 1.47  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 06/09/2021 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 81.2   | % 44.3-13       | 3          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 77.3   | % 38.9-14       | 22         |              |      |            |               |       |           |
|                                      |        |                 |            |              |      |            |               |       |           |

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

\*=Accredited Analyte



#### Analytical Results For:

PIMA ENVIROMENTAL TOM BYNUM 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 06/08/2021 Reported: 06/10/2021

Project Name: BOOTES 15 FED COM 1

Project Number: 114

DEVON - EDDY CO NM Project Location:

Sampling Date: 06/07/2021

Sampling Type: Soil

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

#### Sample ID: CSW 8 (H211465-08)

| BTEX 8021B                           | mg/    | kg              | Analyze         | d By: MS     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 06/08/2021      | ND           | 1.97 | 98.6       | 2.00          | 0.640 |           |
| Toluene*                             | <0.050 | 0.050           | 06/08/2021      | ND           | 2.09 | 105        | 2.00          | 0.110 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 06/08/2021      | ND           | 2.06 | 103        | 2.00          | 0.250 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 06/08/2021      | ND           | 6.20 | 103        | 6.00          | 0.637 |           |
| Total BTEX                           | <0.300 | 0.300           | 06/08/2021      | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 96.6   | % 69.9-14       | 0               |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg/    | kg              | Analyzed By: GM |              |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | <16.0  | 16.0            | 06/09/2021      | ND           | 416  | 104        | 400           | 3.92  |           |
| TPH 8015M                            | mg/    | kg              | Analyze         | d By: MS     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 06/09/2021      | ND           | 190  | 95.1       | 200           | 0.599 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 06/09/2021      | ND           | 193  | 96.3       | 200           | 1.47  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 06/09/2021      | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 81.4   | % 44.3-13       | 3               |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 78.8   | % 38.9-14       | 2               |              |      |            |               |       |           |

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Celey D. Keene



#### Analytical Results For:

PIMA ENVIROMENTAL TOM BYNUM 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 06/08/2021 Reported: 06/10/2021

Project Name: BOOTES 15 FED COM 1

Project Number: 114

Project Location: DEVON - EDDY CO NM Sampling Date: 06/07/2021

Sampling Type: Soil

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

#### Sample ID: CSW 9 (H211465-09)

| BTEX 8021B                           | mg/    | /kg             | Analyze         | d By: MS     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 06/08/2021      | ND           | 1.97 | 98.6       | 2.00          | 0.640 |           |
| Toluene*                             | <0.050 | 0.050           | 06/08/2021      | ND           | 2.09 | 105        | 2.00          | 0.110 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 06/08/2021      | ND           | 2.06 | 103        | 2.00          | 0.250 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 06/08/2021      | ND           | 6.20 | 103        | 6.00          | 0.637 |           |
| Total BTEX                           | <0.300 | 0.300           | 06/08/2021      | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 97.4   | % 69.9-14       | 0               |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg/    | 'kg             | Analyzed By: GM |              |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | <16.0  | 16.0            | 06/09/2021      | ND           | 416  | 104        | 400           | 3.92  |           |
| TPH 8015M                            | mg/    | /kg             | Analyze         | d By: MS     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed        | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 06/09/2021      | ND           | 190  | 95.1       | 200           | 0.599 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 06/09/2021      | ND           | 193  | 96.3       | 200           | 1.47  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 06/09/2021      | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 72.7   | % 44.3-13       | 3               |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 69.3   | % 38.9-14       | 2               |              |      |            |               |       |           |

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#### Analytical Results For:

PIMA ENVIROMENTAL TOM BYNUM 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 06/08/2021 Reported: 06/10/2021

Project Name: BOOTES 15 FED COM 1

Project Number: 114

Project Location: DEVON - EDDY CO NM

ma/ka

Sampling Date: 06/07/2021

Sampling Type: Soil

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

#### Sample ID: CSW 10 (H211465-10)

RTFY 8021R

| B1EX 8021B                           | mg,    | кд              | Anaiyze    | а ву: мѕ     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 06/08/2021 | ND           | 1.97 | 98.6       | 2.00          | 0.640 |           |
| Toluene*                             | <0.050 | 0.050           | 06/08/2021 | ND           | 2.09 | 105        | 2.00          | 0.110 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 06/08/2021 | ND           | 2.06 | 103        | 2.00          | 0.250 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 06/08/2021 | ND           | 6.20 | 103        | 6.00          | 0.637 |           |
| Total BTEX                           | <0.300 | 0.300           | 06/08/2021 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 113 9  | % 69.9-14       | 0          |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                 | mg,    | 'kg             | Analyze    | d By: GM     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | <16.0  | 16.0            | 06/09/2021 | ND           | 416  | 104        | 400           | 3.92  |           |
| TPH 8015M                            | mg,    | kg              | Analyze    | d By: MS     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 06/09/2021 | ND           | 190  | 95.1       | 200           | 0.599 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 06/09/2021 | ND           | 193  | 96.3       | 200           | 1.47  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 06/09/2021 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 87.9   | % 44.3-13       | 3          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 85.0   | % 38.9-14       | 2          |              |      |            |               |       |           |

Analyzed By: MC

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

PIMA ENVIROMENTAL TOM BYNUM 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 06/08/2021 Reported: 06/10/2021

Project Name: BOOTES 15 FED COM 1

Project Number: 114

Project Location: DEVON - EDDY CO NM

Sampling Date: 06/07/2021

Sampling Type: Soil

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

#### Sample ID: CSW 11 (H211465-11)

| BTEX 8021B                           | mg     | /kg             | Analyze    | ed By: MS    |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 06/08/2021 | ND           | 1.97 | 98.6       | 2.00          | 0.640 |           |
| Toluene*                             | <0.050 | 0.050           | 06/08/2021 | ND           | 2.09 | 105        | 2.00          | 0.110 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 06/08/2021 | ND           | 2.06 | 103        | 2.00          | 0.250 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 06/08/2021 | ND           | 6.20 | 103        | 6.00          | 0.637 |           |
| Total BTEX                           | <0.300 | 0.300           | 06/08/2021 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 98.8   | % 69.9-14       | 0          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: GM    |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | <16.0  | 16.0            | 06/09/2021 | ND           | 416  | 104        | 400           | 3.92  |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 06/09/2021 | ND           | 190  | 95.1       | 200           | 0.599 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 06/09/2021 | ND           | 193  | 96.3       | 200           | 1.47  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 06/09/2021 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 89.4   | % 44.3-13       | 3          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 88.0   | % 38.9-14       | 12         |              |      |            |               |       |           |
|                                      |        |                 |            |              |      |            |               |       |           |

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#### Analytical Results For:

PIMA ENVIROMENTAL TOM BYNUM 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 06/08/2021 Reported: 06/10/2021

Project Name: BOOTES 15 FED COM 1

Project Number: 114

Project Location: DEVON - EDDY CO NM

ma/ka

Sampling Date: 06/07/2021

Sampling Type: Soil

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

#### Sample ID: CSW 12 (H211465-12)

RTFY 8021R

| B1EX 8021B                           | mg/    | кg              | Anaiyze    | а ву: мѕ     |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 06/08/2021 | ND           | 1.97 | 98.6       | 2.00          | 0.640 |           |
| Toluene*                             | <0.050 | 0.050           | 06/08/2021 | ND           | 2.09 | 105        | 2.00          | 0.110 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 06/08/2021 | ND           | 2.06 | 103        | 2.00          | 0.250 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 06/08/2021 | ND           | 6.20 | 103        | 6.00          | 0.637 |           |
| Total BTEX                           | <0.300 | 0.300           | 06/08/2021 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 98.6   | % 69.9-14       | 0          |              |      |            |               |       |           |
| Chloride, SM4500Cl-B                 | mg/    | 'kg             | Analyze    | d By: GM     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | <16.0  | 16.0            | 06/09/2021 | ND           | 416  | 104        | 400           | 3.92  |           |
| TPH 8015M                            | mg/    | 'kg             | Analyze    | d By: MS     |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 06/09/2021 | ND           | 190  | 95.1       | 200           | 0.599 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 06/09/2021 | ND           | 193  | 96.3       | 200           | 1.47  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 06/09/2021 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 85.5   | % 44.3-13       | 3          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 84.0   | % 38.9-14       | 2          |              |      |            |               |       |           |

Analyzed By: MC

Cardinal Laboratories \*=Accredited Analyte

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#### Analytical Results For:

PIMA ENVIROMENTAL TOM BYNUM 1601 N TURNER STE. 500 HOBBS NM, 88240 Fax To:

Received: 06/08/2021 Reported: 06/10/2021

Project Name: BOOTES 15 FED COM 1

Project Number: 114

Project Location: DEVON - EDDY CO NM

Sampling Date: 06/07/2021

Sampling Type: Soil

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

#### Sample ID: CSW 13 (H211465-13)

| BTEX 8021B                           | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |       |           |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*                             | <0.050 | 0.050           | 06/08/2021 | ND           | 1.97 | 98.6       | 2.00          | 0.640 |           |
| Toluene*                             | <0.050 | 0.050           | 06/08/2021 | ND           | 2.09 | 105        | 2.00          | 0.110 |           |
| Ethylbenzene*                        | <0.050 | 0.050           | 06/08/2021 | ND           | 2.06 | 103        | 2.00          | 0.250 |           |
| Total Xylenes*                       | <0.150 | 0.150           | 06/08/2021 | ND           | 6.20 | 103        | 6.00          | 0.637 |           |
| Total BTEX                           | <0.300 | 0.300           | 06/08/2021 | ND           |      |            |               |       |           |
| Surrogate: 4-Bromofluorobenzene (PID | 101    | % 69.9-14       | 0          |              |      |            |               |       |           |
| Chloride, SM4500CI-B                 | mg,    | /kg             | Analyze    | ed By: GM    |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Chloride                             | <16.0  | 16.0            | 06/09/2021 | ND           | 416  | 104        | 400           | 3.92  |           |
| TPH 8015M                            | mg,    | /kg             | Analyze    | ed By: MS    |      |            |               |       |           |
| Analyte                              | Result | Reporting Limit | Analyzed   | Method Blank | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*                          | <10.0  | 10.0            | 06/09/2021 | ND           | 190  | 95.1       | 200           | 0.599 |           |
| DRO >C10-C28*                        | <10.0  | 10.0            | 06/09/2021 | ND           | 193  | 96.3       | 200           | 1.47  |           |
| EXT DRO >C28-C36                     | <10.0  | 10.0            | 06/09/2021 | ND           |      |            |               |       |           |
| Surrogate: 1-Chlorooctane            | 91.7   | % 44.3-13       | 3          |              |      |            |               |       |           |
| Surrogate: 1-Chlorooctadecane        | 88.4   | % 38.9-14       | 2          |              |      |            |               |       |           |
|                                      |        |                 |            |              |      |            |               |       |           |

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#### **Notes and Definitions**

GC-NC 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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Celey D. Keine

Received by OCD: 6/22/2021 12:00:05 AM

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

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

| Project Manager: Tom   | Bynua  |                              |                    |                                 |                             |           | - 1       | P.O.                | #:                | MI                | 9-141             | 910.01.R                                   | WM                          |      |       |                 |        |        |                |              |          |         |          |                |
|--|--|------------------------------|--------------------|---------------------------------|-----------------------------|-----------|-----------|---------------------|-------------------|-------------------|-------------------|--|-----------------------------|------|-------|-----------------|--------|--------|----------------|--------------|----------|---------|----------|----------------|
| Address: 1601 N Tur  | ner stc. 500   |                              |                    |                                 |                             |           |           | Company: Devon      |                   |                   |                   |  | 1.                          |      |       | - 1             |        |        |                | 1            |          |         |          |                |
| city: Hobbs  | State: NM  | Zip                          | : 2                | 38                              | 240                         | 2         |           | Attn: Wes Matthews  |                   |                   |                   |  |                             |      |       |                 |        |        |                |              |          |         |          |                |
| Phone #: 580   | -748-1613 Fax#:  |                              |                    |                                 |                             |           |           | Add                 | ress              | s:                |                   |  |                             |      |       |                 |        |        |                |              |          |         |          |                |
| Project#: 114  | Project Owner  | r: 06                        | ev                 | on                              |                             |           |           | City:               |                   |                   |                   |  |                             |      |       |                 |        |        |                |              |          |         | 1        |                |
| Project Name: Bootes 15  | Fed Con 1  |                              |                    |                                 |                             |           |           | State               | e:                |                   | Zip:              |  |                             |      |       |                 |        |        |                |              |          | 1       |          |                |
| Project Location: Eddy   | NM   |                              |                    |                                 |                             |           |           | Pho                 | ne #              | t:                |                   |  |                             |      |       |                 |        |        |                |              |          | 1       |          |                |
| Sampler Name: Triston  | Jones  |                              | _                  |                                 |                             |           |           | Fax                 | #:                |                   |                   |  | 1                           |      |       |                 |        |        |                |              |          |         |          |                |
| FOR LAB USE ONLY   |  |                              |                    |                                 | M                           | ATRIX     | (         | P                   | RES               | ERV               | SAN               | PLING                                      |                             |      |       |                 |        |        |                |              |          |         |          |                |
| Lab I.D. S   | ample I.D.   | (G)RAB OR (C)OMP             | # CONTAINERS       | GROUNDWATER                     | WASTEWATER                  | OIL       | SLUDGE    | OTHER:              | ACID/BASE.        | OTHER:            | DATE              | TIME                                       | TPH                         | RTEX | 01 60 | Chlorides       |        |        |                |              |          |         |          |                |
| 1 CSW 1  |  | Č                            | -                  |                                 | V                           |           | 0,        | Ĭ                   | 1                 |                   | 6/7/21            |  | V                           | V    | 1     | 1               | $\neg$ | $\neg$ |                |              |          |         |          |                |
| 2 (5W )  | 2  |                              |                    |                                 | 1                           |           |           |                     | . 1               |                   | 1                 |  | 1                           |      | 1     | 1               |        |        |                |              | 1.       |         |          |                |
| 3 C5 W   | 3  | Ш                            |                    |                                 |                             |           |           |                     |                   |                   |                   |  |                             |      |       |                 |        |        |                |              |          |         |          |                |
| 4/5 W 4  | -  | Ш                            | Ш                  |                                 |                             |           |           | 1                   |                   |                   |                   |  |                             |      |       |                 |        |        |                |              | -        |         |          |                |
| 5 66 W   | 5  | Ш                            | Н                  |                                 |                             |           | Ш         | 1                   |                   |                   |                   |  |                             |      | 1     | 1               | _      | _      |                |              |          |         |          |                |
| G CSW 6  |  | Н                            | Н                  |                                 |                             |           | H         | +                   |                   |                   |                   |  |                             |      | #     | 1               | _      | -      |                |              | -        | _       | -        |                |
| CICW (   |  | Н                            | Н                  | -                               | -                           |           | H         | +                   | +                 |                   | -                 |  |                             |      | #     | 11              | -      | -      |                |              | -        | -       | -        |                |
| 9 (500 8   |  | Н                            |                    |                                 | +                           | -         |           | +                   | -1                | +                 |                   |  |                             |      | H     | H               | -      | -      | _              | -            | -        | +       | -        | -              |
| 10 V S W Y   |  | V                            |                    |                                 | 1                           | 1         |           | +                   |                   |                   | 1                 |  | 1                           | V    | 1     |                 | +      | -      |                | -            | -        | +       | -        | -              |
| alyses. All claims including those for negliger<br>rvice. In no event shall Cardinal be liable for i | As sability and client's exclusive remedy for air<br>noe and any other cause whatsoever shall be on<br>noidental or consequental damages, including<br>to the performance of services hereunder by C | deemed<br>without<br>arding! | l waive<br>limitat | d unles<br>tion, bu<br>floss of | s made<br>siness i<br>whoth | in writin | ig and ri | eceived<br>s of use | by Ca<br>e, or lo | ordinal was of pr | ithin 30 days aft | client, its subsidiar<br>asons or otherwis | he applicab<br>ries,<br>se. |      |       | 7 1             |        |        |                |              |          |         |          |                |
|  | Date:<br>6-8-21<br>Time:<br>08/5   | Red                          | ceiv               | ed F                            | M                           | al        | a         | 16                  | Il                | da                | Kirk              | Verbal Re<br>All Results                   |                             | □ Y  |       | □ No<br>lease p |        |        | hone<br>il add |              |          |         |          |                |
| elinquished By:  | Date:  | Red                          | ceiv               | ed E                            | Зу:                         |           |           |                     |                   |                   | ,                 | REMARKS                                    | s: Bil                      | 16   |       | to              |        | V      | Von            |              | 141      | 910     | 01       | RNA            |
| Delivered By: (Circle One)   | Observed Temp. °C  | 5                            | 6                  |                                 | ample                       |           |           | n                   | CH                |                   | ED BY:            | Turnaroun                                  | nd Time                     | :    |       | andar           | d E    | 1      | Bacte          | ria (or      | nly) Sai | mple Co | ondition | n              |
| ampler - UPS - Bus - Other:  | Corrected Temp. °C   | 0,                           |                    | [                               | Ye                          | s 🖸       | Yes       |                     |                   | (Init             | ais)              | Thermometr<br>Correction I                 |                             |      | K     | ush             | L      |        |                | Intact<br>Ye | es       | oserve  | d Temp   | ). °C<br>o. °C |

BILL TO

Received by OCD: 6/22/2021 12:00:05 AM

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Observed Temp. °C

Corrected Temp. °C

Bacteria (only) Sample Condition

Observed Temp. °C

Cool Intact

Yes Yes
Nc No

Page 17 of

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| (575) 393-2326 FAX (575) 393   | -2476   |   | - 1                       |                      |
|--|---|---|---------------------------|----------------------|
| Project Manager: Ton Byavn   |   | BILL TO   |                           | ANALYSIS REQUEST     |
| Project Manager: Ton ByaVm   |   | P.O. #:   |                           |                      |
| Address: 1601 N Turner Ste 500   |   | Company: Devon  |                           |                      |
| City: Hobbs State: W.  | M Zip: 88240  | Attn: Wes Natthews  |                           |                      |
| Phone #: 580 - 748 - 1613 Fax #:   |   | Address:  | 0                         |                      |
| Project #: 114 Project Ow  | ner: Devon  | City:   |                           |                      |
| Project Name: Bootes 15 Fed Con  | n (   | State: Zip:   |                           |                      |
| Project Location: Edy NM   |   | Phone #:  | 1                         |                      |
| Sampler Name: Tristan Jones  |   | Fax #:  | 1-1                       |                      |
| FOR LAB USE ONLY   | MATRIX  | PRESERV. SAMPLING   | X                         |                      |
| Lab I.D. Sample I.D.   | # CONTAINERS # CONTAINERS GROUNDWATER WASTEWATER SOIL | SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:                            | BTEX<br>BTEX<br>Chlorides |                      |
| 11 / 511/ 11   | C   | 1/2/21  | JVV                       |                      |
| 12 0000 CSW 17<br>13 CSW 13  | . C   |   | 11111                     |                      |
| 13 CSW 13  | 6   | 1   | 000                       |                      |
|  |   |   |                           |                      |
|  | +   |   |                           |                      |
|  |   |   | +++                       |                      |
|  |   |   |                           |                      |
|  |   |   |                           |                      |
|  |   |   |                           |                      |
| PLEASE NOTE: Liability and Demages. Cardinal's liability and client's exclusive remedy<br>analyses. All claims including those for negligence and any other cause whatsoever sha   | for any claim arising whether based in conf           | tract or tort, shall be limited to the amount paid by the client for  | r the                     |                      |
| analyses, all claims including mose for negigence and any other cause whatsoever six<br>service. In no event shall Cardinal be liable for incidental or consequental damages, incl<br>affiliates or successors arising out of or related to the porticimance of services hereunder | luding without limitation, business interruption      | ons, loss of use, or loss of profits incurred by client, its subsidia | ines,                     |                      |
| Relinquished By:  Date: / / G /  | Received By:  | OO Verbal Re  | esult:                    |                      |
| Time: 8:15   | humba   | All Result  | s are emailed. Please pr  | ovide Email address: |
| Relinquished By Date:  | Received By:  | REMARK  | S:                        |                      |
| Time:  |   |   |                           |                      |
| ime.   |   |   |                           |                      |

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CHECKED BY:

(Initials)

40

Turnaround Time:

Thermometer ID #113

Correction Factor None

Standard

Sample Condition

Cool Intact
Ves Yes
No No



# Appendix F

NMOCD-Approved

Remediation Plan

Released to Imaging: 7/14/2021:9215:04/AM

<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 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    | NRM2014569455 |
|----------------|---------------|
| District RP    |               |
| Facility ID    |               |
| Application ID |               |

# Release Notification

#### Responsible Party

|                              |   |                   | 7.001                                      | pons.                 |                       | <b>'</b> J                                    |  |  |  |  |  |
|------------------------------|---|-------------------|--|-----------------------|-----------------------|---|--|--|--|--|--|
| Responsible                  | Party Devo                                    | on Energy Produ   | ction Company                              |                       | OGRID <sub>6137</sub> |   |  |  |  |  |  |
| Contact Nat                  |   |                   |  |                       | Contact T             | Telephonc 575-748-6195                        |  |  |  |  |  |
|                              |   | .Mathews@dvn      | .com                                       |                       | Incident #            | # (assigned by OCD)                           |  |  |  |  |  |
|                              |   | 6488 Seven Ri     |  |                       |                       |   |  |  |  |  |  |
|                              |   |                   | Location                                   |                       |                       |   |  |  |  |  |  |
| Latitude 32                  | 2.6676  |                   |  |                       | Longitude             | -103.8497                                     |  |  |  |  |  |
| Danielae                     |   |                   | (NAD 83 in dec                             | cimal de <sub>l</sub> | grees to 5 decir      | mal places)                                   |  |  |  |  |  |
| Site Name Bo                 | ootes 15 F                                    | ed Com 1H         |  |                       | Site Type Oil         |   |  |  |  |  |  |
| Date Release                 |   |                   |  |                       | API# (if app          | plicable) 30-015-40407                        |  |  |  |  |  |
| 1                            | , <u>, , , , , , , , , , , , , , , , , , </u> |                   |  | '                     |                       |   |  |  |  |  |  |
| Unit Letter                  | Section                                       | Township          | Range                                      |                       | County                |   |  |  |  |  |  |
| Α                            | 15  | 198               | 31E  |                       | Edd                   | dy  |  |  |  |  |  |
| Surface Ownci                | ∷ ☐ State                                     | Federal Tr        | ibal 🔲 Private (N                          | lame: _               |                       | )   |  |  |  |  |  |
| Nature and Volume of Release |   |                   |  |                       |                       |   |  |  |  |  |  |
|                              |   |                   |  |                       | ons or specific       | justification for the volumes provided below) |  |  |  |  |  |
| Crude Oil                    |   | Volume Released   | <sup>l (bbls)</sup> 10.79 BB               | 3LS                   |                       | Volume Recovered (bbls) 3 BBLS                |  |  |  |  |  |
| Produced                     | Water   | Volume Released   | <sup>l (bbls)</sup> 21.44 BB               | 3LS                   |                       | Volume Recovered (bbls) 2 BBLS                |  |  |  |  |  |
|                              |   | in the produced v | on of total dissolve<br>vater >10,000 mg/l |                       | ds (TDS)              | Yes No  |  |  |  |  |  |
| Condensat                    | ;e  | Volume Released   | l (bbls)                                   |                       |                       | Volume Recovered (bbls)                       |  |  |  |  |  |
|                              |   |                   |  |                       |                       |   |  |  |  |  |  |

| Crude Oil              | Volume Released (bbls) 10.79 BBLS  | Volume Recovered (bbls) 3 BBLS          |
|------------------------|--|---|
| Produced Water         | Volume Released (bbls) 21.44 BBLS  | Volume Recovered (bbls) 2 BBLS          |
|                        | Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l? | ☐ Yes ☐ No                              |
| Condensate             | Volume Released (bbls)   | Volume Recovered (bbls)                 |
| ☐ Natural Gas          | Volume Released (Mcf)  | Volume Recovered (Mcf)                  |
| Other (describe)       | Volume/Weight Released (provide units)   | Volume/Weight Recovered (provide units) |
| Cause of Release Fluid | l released from stuffing box on the well. So   | me fluid ran off pad.                   |

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| Received by OCD: | 5/22/2020 3:13:24 PM      |
|------------------|---------------------------|
| Form C-141       | State of New Mexico       |
| Page 2           | Oil Conservation Division |

|                | $\iota u g e \iota u g$ |
|----------------|-------------------------|
| Incident ID    | NRM2014569455           |
| District RP    |                         |
| Facility ID    |                         |
| Application ID |                         |
|                |                         |

| Was this a major                           | 1   | ponsible party consider this a major release?   |  |  |  |
|--|---|---|--|--|--|
| release as defined by 19.15.29.7(A) NMAC?  | This is considered a major rele                   | ease because it is over 25 BBLS.  |  |  |  |
|  |   |   |  |  |  |
| Yes No                                     |   |   |  |  |  |
|  |   |   |  |  |  |
| If YES, was immediate no                   | totice given to the OCD? By whom? To              | whom? When and by what means (phone, email, etc)?   |  |  |  |
| Notice was given by                        |   | Robert Hamlet, Jim Griswold, Mike Bratcher, and   |  |  |  |
|  |   | Response  |  |  |  |
| mi   |   | *   |  |  |  |
| The responsible p                          | urty must undertake the following actions immedia | tely unless they could create a safety hazard that would result in injury   |  |  |  |
| The source of the relea                    | ase has heen stonned.                             |   |  |  |  |
|  | s been secured to protect human health an         | d the environment.  |  |  |  |
| 1  | •   | dikes, absorbent pads, or other containment devices.  |  |  |  |
| All free liquids and red                   | coverable materials have been removed a           | nd managed appropriately.   |  |  |  |
| If all the actions described               | above have not been undertaken, explain           | why:  |  |  |  |
| The spill was not in o                     | containment.                                      |   |  |  |  |
|  |   |   |  |  |  |
|  |   |   |  |  |  |
|  |   |   |  |  |  |
| D 10 15 20 0 D (4) NIMA                    | C the acquerelle newty may commune                | 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 please attach all information needed for closure evaluation.                      |  |  |  |
| I hereby certify that the inform           | nation given above is true and complete to the    | best of my knowledge and understand that pursuant to OCD rules and  |  |  |  |
| nublic health or the environme             | ent. The acceptance of a C-141 report by the      | ifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have |  |  |  |
| failed to adequately investigat            | e and remediate contamination that pose a thr     | eat to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws     |  |  |  |
| and/or regulations.                        |   |   |  |  |  |
| Printed Name: Kendra                       | DeHoyos   | Title: EHS Associate  |  |  |  |
| Signature: Kendra Deltoyos Date: 5/22/2020 |   |   |  |  |  |
| <sub>email:</sub> Kendra.DeH               |   | Telephone: 575-748-0167   |  |  |  |
|  |   |   |  |  |  |
| OCD Only                                   |   |   |  |  |  |
| Received by: Ramona M                      | 1arcus  | Date: 5/24/2020   |  |  |  |
| Received by: Kamona iv.                    | 101000  | L/aio.  |  |  |  |

# State of New Mexico Oil Conservation Division

| Incident ID    | NRM2014569455 |
|----------------|---------------|
| District RP    |               |
| Facility ID    | 30-015-40407  |
| Application ID |               |

Released to Imaging: 7/14/2021 9:15:04 AM

# 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?   | ☐ Yes ⊠ No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?  | ☐ Yes ⊠ No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?  | ☐ Yes ⊠ No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?  | ☐ Yes ☒ No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | ☐ Yes ⊠ No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?  | ☐ Yes ☒ No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?   | ☐ Yes ☒ No |
| Are the lateral extents of the release within 300 feet of a wetland?  | ☐ Yes ⊠ No |
| Are the lateral extents of the release overlying a subsurface mine?   | ☐ Yes ⊠ No |
| Are the lateral extents of the release overlying an unstable area such as karst geology?  | ☐ Yes ⊠ No |
| Are the lateral extents of the release within a 100-year floodplain?  | ☐ Yes ⊠ No |
| Did the release impact areas not on an exploration, development, production, or storage site?   | ⊠ Yes □ No |

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

| <u>C</u>    | naracterization Report Checklist: Each of the following tiems must be included in the report.                           |
|-------------|---|
| $\boxtimes$ | Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. |
|             | Field data  |
| $\boxtimes$ | Data table of soil contaminant concentration data   |
| $\boxtimes$ | Depth to water determination  |
| $\boxtimes$ | Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release         |
|             | Boring or excavation logs   |
| $\boxtimes$ | Photographs including date and GIS information  |
| $\boxtimes$ | Topographic/Aerial maps   |
| X           | 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 If the site characterization report does not include completed efforts at remediation of the release, the plan. That plan must include the estimated volume of material to be remediated, the proposed rem and methods, anticipated timelines for beginning and completing the remediation. The closure crite 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters. 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

## State of New Mexico Oil Conservation Division

| Incident ID    | NRM2014569455 |
|----------------|---------------|
| District RP    |               |
| Facility ID    | 30-015-40407  |
| Application ID |               |

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| I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a the addition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations. | OCD does not relieve the operator of liability should their operations have reat to groundwater, surface water, human health or the environment. In |
|---|---|
| Printed Name: Brandon Sinclair  | Title: Environmental Project Manager  |
| Signature: Branks Dink  | Date: 12-3-2020   |
| email: bsinclair@talonlpe.com   | Telephone: 575-746-8768   |
|   |   |
| OCD Only  |   |
| Received by:  | Date:   |
|   |   |

# State of New Mexico Oil Conservation Division

| Incident ID    | NRM2014569455 |
|----------------|---------------|
| District RP    |               |
| Facility ID    | 30-015-40407  |
| Application ID |               |

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# Remediation Plan

| Remediation Plan Checklist: Each of the following items must   | be included in the plan.  |
|--|---|
| <ul> <li>☑ Detailed description of proposed remediation technique</li> <li>☑ Scaled sitemap with GPS coordinates showing delineation poi</li> <li>☑ Estimated volume of material to be remediated</li> <li>☑ Closure criteria is to Table 1 specifications subject to 19.15.29</li> <li>☑ Proposed schedule for remediation (note if remediation plan ti</li> </ul>  | ),12(C)(4) NMAC   |
|  |   |
| Deferral Requests Only: Each of the following items must be co   | onfirmed as part of any request for deferral of remediation.        |
| Contamination must be in areas immediately under or around perfection.   | production equipment where remediation could cause a major facility |
| Extents of contamination must be fully delineated.   |   |
| Contamination does not cause an imminent risk to human healt   | th, the environment, or groundwater.                                |
| rules and regulations all operators are required to report and/or file   | acceptance of a C-141 report does not reneve the operator of        |
| Printed Name: Brandon Sinclair   | Title: Environmental Project Manager                                |
| Signature: While Signature | Date: 12-3-2020   |
| email: bsinclair@talonlpe.com  | Telephone: 575-746-8768   |
| OCD Only   |   |
| Received by:   | Date:   |
| Approved Approved with Attached Conditions of  | Approval Denied Deferral Approved                                   |
| Signature:   | Date:   |

Received by OCD: 6/22/2021 12:00:05/AM





talonlpe.com • 866.742.0742

# Soil Assessment and Remediation Work Plan

Bootes 15 Federal Com #001H Eddy County, New Mexico API # 30-015-40407, NRM2014569455

# Prepared For:

Devon Energy Production Company 6488 Seven Rivers Highway Artesia, New Mexico 88210

# Prepared By:

TALON/LPE 408 West Texas Avenue Artesia, New Mexico 88210

**December 03, 2020** 

Released to Imaging: 3/14/202189:15:04/AM

Received by OCD: 6/22/2021 12:00:05/2M

Mr. Mike Bratcher NMOCD District 2 811 S. 1st Street Artesia, NM 88210

Subject:

Soil Assessment and Remediation Work Plan

Bootes 15 Federal Com #001H Eddy County, New Mexico

API# 30-015-40407, NRM2014569455

Dear Mr. Bratcher,

Devon Energy Production Company (Devon Energy) has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The results of our soil assessment and proposed remediation activities are contained herein.

#### Site Information

Bootes 15 Federal Com #001H is located approximately twenty-eight (28) miles northeast of Carlsbad, New Mexico. The legal location for this release is Unit Letter A, Section 15, Township 19 South and Range 31 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.6676254 North and -103.8497314 West. A site plan is presented in Appendix

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of Kimbrough-Stegall loams, 0 to 3 percent slopes. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology is Holocene to lower Pleistocene in age and is comprised of loam underlain by a petrocalcic horizon derived from alluvium and/or eolian deposits. Drainage courses in this area are typically dry.

The United States Geological Survey's (USGS) National Water Information System indicates that the nearest groundwater is 166' below ground surface (BGS). The New Mexico Office of the State Engineer web site indicates that the nearest reported depth to groundwater is 102-feet below ground surface (BGS). See Appendix II for the referenced groundwater data.

#### Site Characterization

Pursuant to Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29 of the New Mexico Administrative Code (NMAC), if a release occurs within the following areas, the responsible party must treat the release as if it occurred less than 50 feet to the groundwater.

| Approximate De       | pth to Groundwater 166 Feet/BGS   |
|----------------------|---|
| ∐Yes ⊠No             | Within 300 feet of any continuously flowing watercourse or any other significant watercourse  |
| □Yes ⊠No             | Within 200 feet of any lakebed, sinkhole or playa lake  |
| ∐Yes ⊠No             | Within 300 feet from an occupied permanent residence, school, hospital, institution or church   |
| ∐Yes ⊠No             | Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes   |
| □Yes ⊠No<br>□Yes ⊠No | Within 1000 feet of any fresh water well or spring Within incorporated municipal boundaries or within a defined Municipal fresh water well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978 |
|                      | Within 300 feet of a wetland<br>Within the area overlying a subsurface mine<br>Within an unstable area<br>Within a 100-year floodplain  |

This site does not meet any of the above criteria, and the depth to groundwater is greater than 100-feet BGS. However, as the depth to groundwater could not be determined using a source within a half mile of the boundary of this release, a boring was advanced at sample point B-11 using a direct push sampling rig (Geoprobe) to 53' in order to exclude the presence of water at that depth. In addition, a portion of the release impacted pasture area to the south of the well pad. Therefore the closure criteria for each remediation area can be found within the data tables under the site assessment portion of this report.

# **Incident Description**

On May 10, 2020, a mixture of 10.79 barrels (bbls) of crude oil and 21.44 bbls of produced water were discovered on the pad and pasture areas after having leaked from the stuffing box on the well. The initial C-141 is attached in Appendix III. A site map illustrating the affected area is presented in Appendix I.

Released to Imaging: 3/14/2021: 9:15:04 AM

# Received by OCD: 6/22/2021 12:00:05/2M

#### Site Assessment

On May 29, 2020, Talon mobilized personnel to begin the site assessment and soil sampling activities for the construction of a work plan. Grab soil samples were collected within and around the impacted area utilizing a Geoprobe. Additional sampling was required in June in order to further delineate the impacted area. To verify the presence or absence of groundwater at depths below 50-feet (and to complete vertical delineation of the pasture area), an airrotary drill rig was brought to the site in August (a soil boring log is presented in Appendix II). Groundwater was not encountered at 53-feet BGS after a 72-hour interval. Results from our sampling events are presented in the following data tables. A complete laboratory report can be found in Appendix V.

|              |                       | Table 1:  | Soil Sar        | nple Ana           | lysis of       | Pad Are        | а              |                      |                 |
|--------------|-----------------------|-----------|-----------------|--------------------|----------------|----------------|----------------|----------------------|-----------------|
| Sample<br>ID | Depth<br>(ft.)        | Date      | BTEX<br>(mg/kg) | Benzene<br>(mg/kg) | GRO<br>(mg/kg) | DRO<br>(mg/kg) | MRO<br>(mg/kg) | Total TPH<br>(mg/kg) | Cl<br>(mg/kg)   |
|              | losure C<br>.15.29.12 |           | 50<br>mg/kg     | 10<br>mg/kg        | 1,000          | mg/kg          |                | 2,500<br>mg/kg       | 10,000<br>mg/kg |
|              | 0-1                   | 5/29/2020 | 210.6           | 4.6                | 1500           | 3200           | 1600           | 6300.0               | ND              |
| D 4          | 2                     | 5/29/2020 | 0.75            | 0.023              | 5.8            | 150            | 83             | 238.8                | ND              |
| B-1          | 3                     | 5/29/2020 | ND              | ND                 | ND             | ND             | ND             | -                    | ND              |
|              | 4R                    | 5/29/2020 | 0.037           | ND                 | ND             | 19             | ND             | 19.0                 | ND              |
|              |                       |           |                 |                    |                |                |                |                      |                 |
|              | 0-1                   | 5/29/2020 | 16.25           | ND                 | 150            | 1600           | 860            | 2610.0               | 61              |
| B-2          | 2                     | 5/29/2020 | ND              | ND                 | ND             | ND             | ND             | -                    | 110             |
|              | 3R                    | 5/29/2020 | ND              | ND                 | ND             | ND             | ND             | -                    | ND              |
|              |                       |           |                 |                    |                |                |                |                      |                 |
|              | 0-1                   | 5/29/2020 | 61.65           | 0.65               | 420            | 3500           | 1500           | 5420.0               | ND              |
| B-3          | 2                     | 5/29/2020 | 208.3           | 3.3                | 1300           | 3700           | 1400           | 6400.0               | ND              |
|              | 3R                    | 5/29/2020 | 0.356           | ND                 | ND             | 920            | 610            | 1530.0               | ND              |
|              |                       |           |                 |                    |                |                |                |                      |                 |
|              | 0-1                   | 5/29/2020 | ND              | ND                 | ND             | ND             | ND             | 4                    | ND              |
| D 4          | 2                     | 5/29/2020 | ND              | ND                 | ND             | ND             | ND             | 1 1                  | 61              |
| B-4          | 3                     | 5/29/2020 | ND              | ND                 | ND             | ND             | ND             | 4                    | ND              |
|              | 4R                    | 5/29/2020 | ND              | ND                 | ND             | ND             | ND             | 4                    | ND              |
|              |                       |           |                 |                    |                |                |                |                      |                 |
|              | 0-1                   | 5/29/2020 | ND              | ND                 | ND             | 16             | ND             | 16.0                 | 5200            |
| D.F.         | 2                     | 5/29/2020 | ND              | ND                 | ND             | ND             | ND             | -                    | 4000            |
| B-5          | 3                     | 5/29/2020 | ND              | ND                 | ND             | ND             | ND             |                      | 4300            |
|              | 4R                    | 5/29/2020 | ND              | ND                 | ND             | ND             | ND             |                      | 3500            |

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| Sample<br>ID | Depth<br>(ft.)       | Date      | BTEX<br>(mg/kg) | Benzene<br>(mg/kg) | GRO<br>(mg/kg) | DRO<br>(mg/kg) | MRO<br>(mg/kg) | Total TPH<br>(mg/kg) | Cl<br>(mg/kg)   |
|--------------|----------------------|-----------|-----------------|--------------------|----------------|----------------|----------------|----------------------|-----------------|
|              | osure Ci<br>15.29.12 |           | 50<br>mg/kg     | 10<br>mg/kg        | 1,000          | mg/kg          |                | 2,500<br>mg/kg       | 10,000<br>mg/kg |
|              | 0-1                  | 5/29/2020 | 17.3            | ND                 | 69             | 2400           | 1500           | 3969.0               | 3800            |
| D. C.        | 2                    | 5/29/2020 | 0.2             | ND                 | ND             | ND             | ND             | •                    | 970             |
| B-6          | 3                    | 5/29/2020 | 0.14            | ND                 | ND             | ND             | ND             | ÷                    | 550             |
|              | 4R                   | 5/29/2020 | ND              | ND                 | ND             | ND             | ND             | ÷                    | 360             |
|              |                      |           |                 |                    |                |                |                |                      |                 |
|              | 0-1                  | 5/29/2020 | ND              | ND                 | ND             | ND             | ND             | 4                    | 390             |
| B-7          | 2                    | 5/29/2020 | ND              | ND                 | ND             | ND             | ND             | , e                  | 230             |
|              | 3R                   | 5/29/2020 | ND              | ND                 | ND             | 13             | ND             | 13.0                 | 990             |
|              |                      |           |                 |                    |                |                |                |                      |                 |
|              | 0-1                  | 5/29/2020 | 93.44           | 0.14               | 340            | 3900           | 2100           | 6340.0               | 3100            |
| по           | 2                    | 5/29/2020 | 1.792           | 0.032              | 5.1            | ND             | ND             | 5.1                  | 98              |
| B-8          | 3                    | 5/29/2020 | 1.865           | 0.045              | 5.7            | 60             | ND             | 65.7                 | 170             |
|              | 4R                   | 5/29/2020 | 0.368           | ND                 | ND             | 71             | 50             | 121.0                | 72              |
|              |                      |           |                 |                    |                |                |                |                      |                 |
|              | 0-1                  | 5/29/2020 | 6.337           | 0.027              | 29             | 1400           | 760            | 2189.0               | 4100            |
| B-9          | 2                    | 5/29/2020 | 1.694           | 0.027              | 6.8            | 180            | 99             | 285.8                | 3100            |
|              | 3                    | 5/29/2020 | 1.156           | 0.029              | ND             | 58             | ND             | 58.0                 | 1400            |
|              |                      |           |                 |                    |                |                |                |                      |                 |
|              | 0-1                  | 6/17/2020 | 3.32            | ND                 | 23             | 19000          | 12000          | 31023.0              | 13000           |
| P 10         | 2                    | 6/17/2020 | ND              | ND                 | ND             | 180            | 120            | 300.0                | 290             |
| B-10         | 3                    | 6/17/2020 | ND              | ND                 | ND             | 29             | ND             | 29.0                 | 220             |
|              | 4                    | 6/17/2020 | ND              | ND                 | ND             | 230            | 150            | 380.0                | 180             |

ND= Analyte Not Detected R= Refusal with Geoprobe

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Table 2 : Soil Sample Analysis of Pasture Area

|              |                      | Table Z.   | Jon Gani        | pic miai           | 9010 01 1      | dotalo /       | 11 00          |  |              |
|--------------|----------------------|------------|-----------------|--------------------|----------------|----------------|----------------|--|--------------|
| Sample<br>ID | Depth<br>(ft.)       | Date       | BTEX<br>(mg/kg) | Benzene<br>(mg/kg) | GRO<br>(mg/kg) | DRO<br>(mg/kg) | MRO<br>(mg/kg) | Total TPH<br>(mg/kg)   | Cl<br>(mg/kg |
|              | osure Cr<br>15.29.12 |            | 50<br>mg/kg     | 10<br>mg/kg        |                |                |                | 100 mg/kg  | 600<br>mg/kg |
|              | 0-1                  | 6/17/2020  | 423.1           | 4.1                | 2700           | 11000          | 5100           | 18800.0  | 4200         |
|              | 2                    | 6/17/2020  | 1.519           | 0.029              | 13             | 290            | 170            | 473.0  | 220          |
|              | 3R                   | 6/17/2020  | 33.26           | 0.56               | 240            | 1500           | 940            | 2680.0   | 510          |
| 0.2          | 4                    | 8/4/2020   | ND              | ND                 | ND             | 60             | ND             | 60.0   | ND           |
|              | 6                    | 8/4/2020   | ND              | ND                 | ND             | 190            | 180            | 370.0  | ND           |
| B-11         | 8                    | 8/4/2020   | ND              | ND                 | ND             | 220            | 200            | 420.0  | ND           |
| 1            | 10                   | 8/4/2020   | NT              | NT                 | ND             | 320            | 350            | 670.0  | NT           |
| - 7          | 15                   | 8/4/2020   | NT              | NT                 | ND             | 61             | 70             | 131.0  | NT           |
|              | 20                   | 8/4/2020   | NT              | NT                 | ND             | 120            | 130            | 250.0  | NT           |
| -4           | 25                   | 8/19/2020  | NT              | NT                 | ND             | ND             | ND             | - 14   | NT           |
|              | 30                   | 8/19/2020  | NT              | NT                 | ND             | ND             | ND             | -  | NT           |
|              |                      |            |                 |                    |                |                |                |  |              |
|              | 0-1                  | 6/17/2020  | 751             | 31                 | 4300           | 21000          | 9100           | 34400.0  | 150          |
| 1            | 2                    | 6/17/2020  | 444             | 24                 | 2800           | 11000          | 5200           | 19000.0  | 63           |
| D 43         | 3                    | 6/17/2020  | 1.66            | 0.12               | 14             | 640            | 490            | 1144.0   | ND           |
| B-12         | 4R                   | 6/17/2020  | ND              | ND                 | ND             | 650            | 430            | 1080.0   | 94           |
|              | 6                    | 8/4/2020   | NT              | NT                 | ND             | ND             | ND             | 4  | NT           |
|              | 8                    | 8/4/2020   | NT              | NT                 | ND             | ND             | ND             | -  | NT           |
|              |                      |            |                 |                    |                |                |                | The state of the s |              |
| B-13         | 0-1                  | 6/17/2020  | 5.39            | 0.39               | 48             | ND             | ND             | 48.0   | ND           |
| D-T2         | 2R                   | 6/17/2020  | ND              | ND                 | ND             | ND             | ND             | -  | ND           |
|              | 0-1                  | 8/4/2020   | ND              | ND                 | ND             | ND             | ND             |  | ND           |
| B-14         | 2                    | 8/4/2020   | ND              | ND                 | ND             | ND             | ND             |  | ND           |
| D-14         | 3R                   | 8/4/2020   | ND              | ND                 | ND             | ND             | ND             | 2  | ND           |
| D A          |                      | t Detected | 140             |                    |                | 1,3-5          | 7.5-5          |  | 3,446        |

ND= Analyte Not Detected NT=Analyte Not Tested R= Refusal with Geoprobe

Released to Imaging: 3/14/2021: 9:15:04 AM

# Received by OCD: 6/22/2021 12:00:05PAM

### **Proposed Remedial Actions**

- Excavation activities within the separator battery and around the wellhead will be hand-excavated to the extent practicable. Potential limitations may exist due to safety concerns of field personnel and the presence of infrastructure (flow lines, electric lines, etc.).
- The impacted areas near sample points B-1, B-2, B-6 and B-8 through B-10 will be excavated to 2.0-feet BGS.
- The area near sample point B-3 will be excavated to 3.0-feet BGS.
- The surficial staining in the vicinity of sample points B-5 and B-7 (near the wellhead) will be scraped to a depth of 0.25-feet.
- The impacted pasture area near sample locations B-11 and B-12 will be excavated to a depth of 4.0-feet BGS. A site map illustrating the proposed excavation areas can be found in Appendix I.
- The horizontal extent of the release will be verified with composite confirmation samples from both excavation area sidewalls (well pad and pasture). Additional horizontal confirmation samples will be collected 10-15 feet beyond the excavated areas to verify the release footprint.
- The excavated areas will be backfilled with new caliche on the well pad and locally obtained topsoil in the pasture. Once the backfilling activities are complete the work areas will be machine compacted and contoured to match the surrounding terrain.
- The pasture area will be seeded with BLM Seed Mixture #1 utilizing a Culti-Pack seed drill.
- The excavated material (approximately 465 yards) will be transported to Lea Land, LLC, a NMOCD approved solid waste disposal facility.
- Remedial actions will commence within 14-days of client authorization to proceed.
- A final closure report documenting the remedial actions performed and a Final C-141 will be provided to the NMOCD District II Office.

Released to Imaging: 7/14/202E 9:15:04/AM

#### Closure

Should you have any questions or if further information is required, please do not hesitate to contact our office at 575-746-8768.

Respectfully submitted,

TALON/LPE

Brandon Sinclair Project Manager David J. Adkins Regional Manager

Attachments:

Appendix I Site Maps

Appendix II Soil Boring Log, Groundwater & Soil Data, FEMA Flood Map

Appendix III C-141 Forms

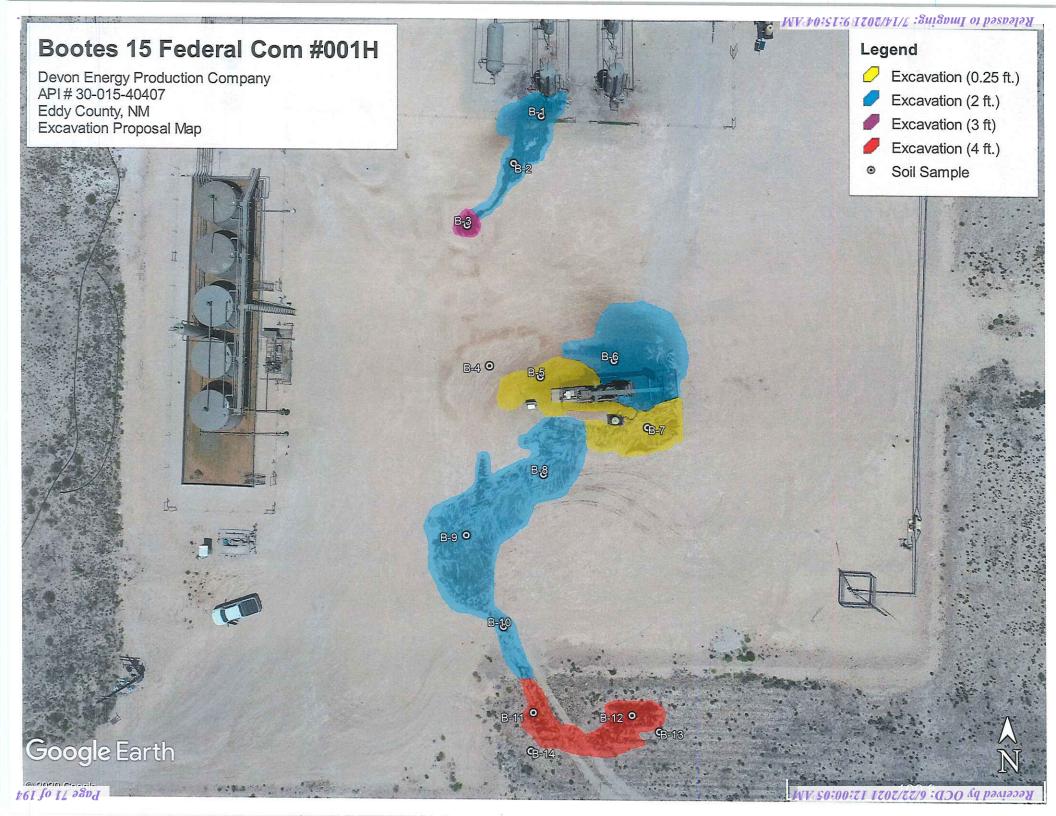
Appendix IV Photographic Documentation

Appendix V Laboratory Data

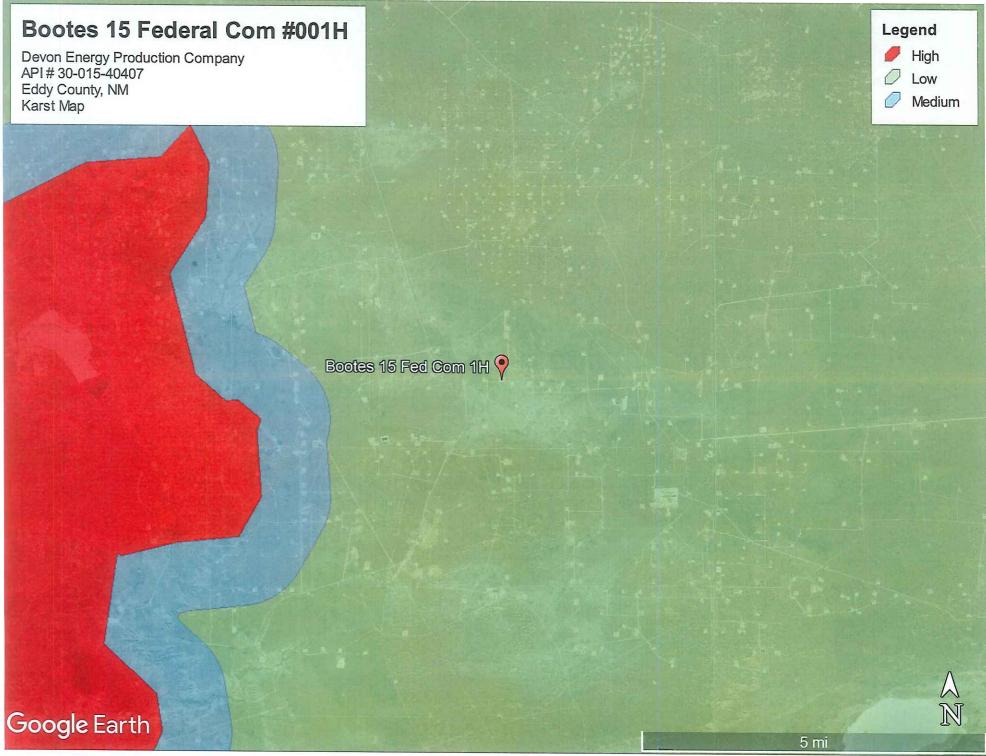


# APPENDIX I

SITE MAPS









# **APPENDIX II**

# SOIL BORING LOG

# **GROUNDWATER DATA**

SOIL SURVEY

**FEMA FLOOD MAP** 



# **BORING LOG**

Project No.: 700794.343.01

Site Name: Bootes 15 Federal Com 1H

Location: Eddy County, New Mexico

Date: 8/4/2020

Latitude: 32.667258° N

Logger: B. Sinclair

Boring Number: B-11

Driller: M. Doyle Weather: Sunny, Warm Temp.: 90s °F

Rig Type: Geoprobe 7822DT

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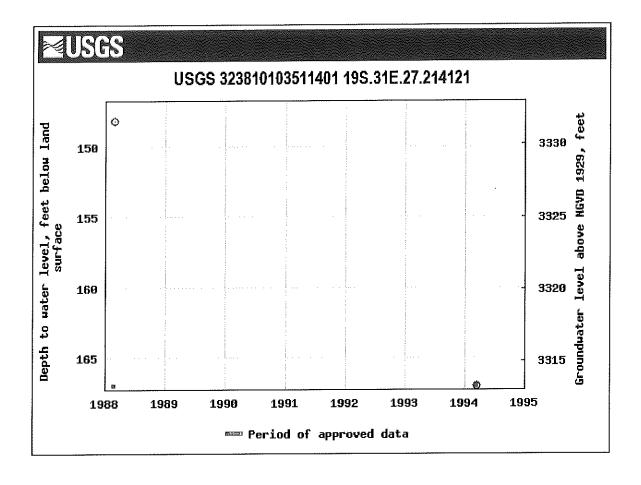
Field Instrument: Lab Analysis Bit Size: 5 1/4"

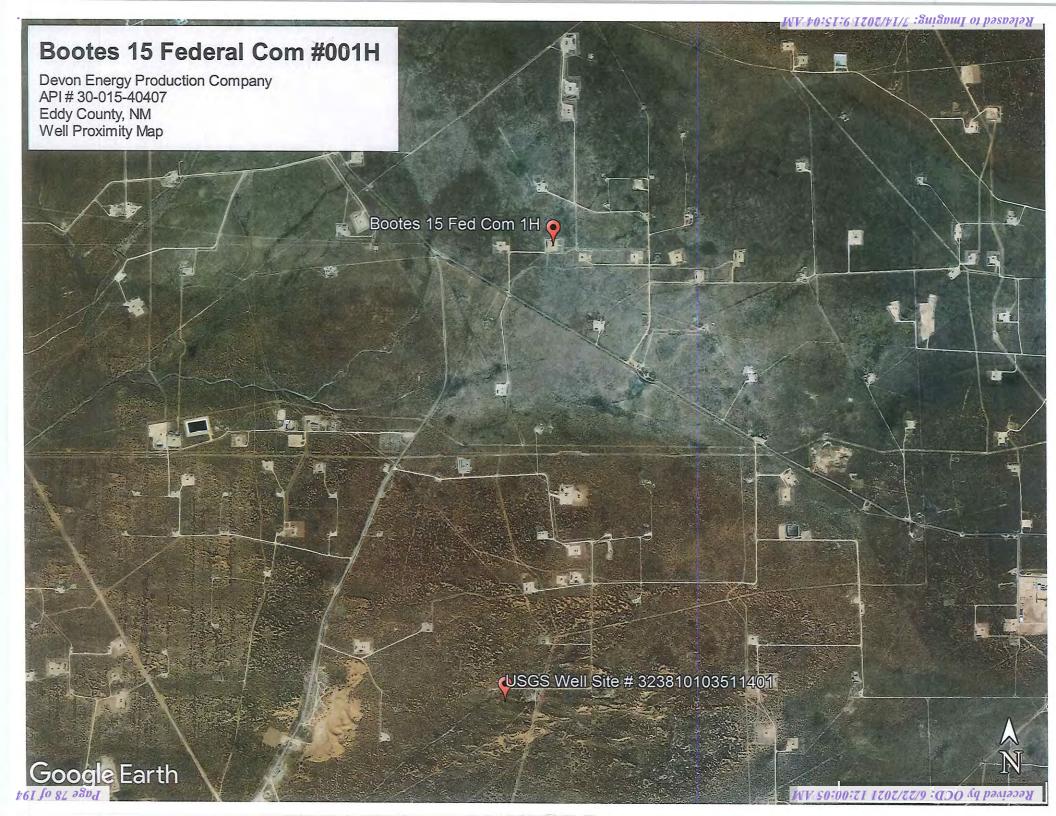
**Drilling Method: Air Rotary** 

Longitude: -103.849887° W Sample Retrieval Method: Core Liner

| Тіте  | Lab Sample<br>Collected | Sample<br>Interval<br>(ft) | Sample<br>Recovery<br>(ft) | nscs  | Composition<br>(%) | Sample Material/Comments Include composition, color, grain size, moisture, hardness, plasticity, density | Hydrocarbon<br>Odor | PID (ppm) |
|-------|-------------------------|----------------------------|----------------------------|-------|--------------------|--|---------------------|-----------|
|       |                         | 0-5'                       |                            |       |                    | Tan to light brown slightly silty fine Sand (SP-SM)  | Slight              |           |
|       |                         | 5-10'                      |                            |       |                    | Light tan fine Sand (SP)   | Slight              |           |
|       |                         | 10-15'                     |                            |       |                    | Light red/brown fine Sand (SP) with trace amounts of caliche.  | Slight              |           |
|       |                         | 15-20'                     |                            |       |                    | Dark red/brown fine Sand (SP) with varying amounts of caliche.   | None                |           |
|       |                         | 20-53'                     |                            |       |                    | Dark red/brown fine Sand (SP) with varying amounts of caliche.   | None                |           |
|       |                         |                            |                            |       |                    |  |                     |           |
|       |                         |                            |                            |       |                    |  |                     |           |
|       |                         |                            |                            |       |                    |  |                     |           |
|       |                         |                            |                            |       |                    |  |                     |           |
| i     |                         |                            |                            |       |                    |  |                     |           |
|       |                         |                            |                            |       |                    |  |                     |           |
|       |                         |                            |                            |       |                    |  |                     |           |
| otes: | e Elevat<br>TD 53       | , Groundy                  | vater Not                  | Encou | ntered             |  |                     |           |

Received by OCD: 6/22/2021 12:00:05/2M







# 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)

|               | AUA MARIA |             |        |    | lar | jes | ()  |     |     | (i)    | ANDOS O TWITT | noters) | 7           | 166()   |            |
|---------------|-----------|-------------|--------|----|-----|-----|-----|-----|-----|--------|---------------|---------|-------------|---------|------------|
|               |           | POD<br>Sub- |        | C  | G   | 0   |     |     |     |        |               |         |             |         | Water      |
| POD Number    | Code      | basin       | County | 64 | 116 | 3 4 | Sec |     | -   | Х      |               |         | epthWellDep | thWater | 4.4 -4-4-6 |
| GP 01554 POD1 |           | CP          | LE     | 2  | 2   | 1   | 22  | 198 | 31E | 607166 | 3613354       | 1808    | 400         |         |            |
| CP 01554 POD2 |           | CP          | LE     | 2  | 2   | 1   | 22  | 198 | 31E | 607165 | 3613322       | 1838    | 400         |         |            |
| CP 00829 POD1 |           | CP          | LE     |    | 2   | 4   | 16  | 198 | 31E | 606165 | 3614009*      | 1974    | 120         |         |            |
| CP 00849 POD1 |           | CP          | LE     | 3  | 1   | 3   | 35  | 188 | 31E | 608012 | 3618757*      | 3734    | 300         |         |            |
| CP 00563 POD1 |           | CP          | LE     | 1  | 1   | 2   | 19  | 198 | 32E | 612118 | 3613376*      | 4568    | 300         |         |            |
| CP 00642 POD1 |           | CP          | ED     |    | 2   | 2   | 25  | 198 | 31E | 611025 | 3611657*      | 4623    | 250         |         |            |
| CP 00640 POD1 |           | CP          | LE     |    | 2   | 2   | 19  | 198 | 32E | 612621 | 3613280*      | 5073    | 260         | 102     | 158        |
| CP 00725 POD1 |           | CP          | ED     | 1  | 3   | 3   | 28  | 198 | 31E | 604906 | 3610473*      | 5425    | 231         |         |            |
| CP 00722 POD1 |           | CP          | LE     | 4  | 3   | 3   | 28  | 198 | 31E | 605106 | 3610273*      | 5491    | 200         |         |            |
| CP 00639 POD1 |           | CP          | LE     |    | 3   | 1   | 20  | 198 | 32E | 613029 | 3612880*      | 5598    | 350         | 345     | 5          |
| CP 00723 POD1 |           | CP          | ED     | 2  | 1   | 1   | 33  | 198 | 31E | 605111 | 3610071*      | 5664    | 139         |         |            |
| CP 01656 POD2 |           | CP          | LE     | 3  | 4   | 3   | 17  | 198 | 32E | 613364 | 3613648       | 5675    | 70          |         |            |
| CP 01656 POD1 |           | CP          | LE     | 3  | 4   | 3   | 17  | 198 | 32E | 613368 | 3613646       | 5680    | 70          |         |            |
| CP 01656 POD3 |           | CP          | LE     | 3  | 4   | 3   | 17  | 198 | 32E | 613374 | 3613633       | 5689    | 30          |         |            |
| CP 00722 POD3 |           | CP          | LE     | 2  | 4   | 1   | 33  | 198 | 31E | 605519 | 3609673*      | 5840    | 220         | 140     | 80         |
| CP 00641 POD1 |           | CP          | ED     |    | 4   | 1   | 36  | 198 | 31E | 610247 | 3609634*      | 5897    | 300         | 130     | 170        |
| CP 00873 POD1 |           | CP          | LE     |    | 1   | 1   | 19  | 198 | 31E | 601772 | 3613147*      | 6368    | 340         | 180     | 160        |
| CP 00357 POD1 |           | CP          | ED     | 4  | 4   | 1   | 24  | 198 | 30E | 600667 | 3612631*      | 7578    | 630         |         |            |
| CP 00357 POD2 |           | CP          | ED     | 4  | 3   | 1   | 24  | 198 | 30E | 600265 | 3612627*      | 7962    | 630         |         |            |
| CP 00722 POD2 |           | CP          | ED     | 2  | 1   | 1   | 25  | 198 | 30E | 600276 | 3611620*      | 8311    | 350         | 65      | 285        |
| CP 00520      |           | CP          | ED     | 4  | 4   | 1   | 10  | 208 | 31E | 607163 | 3606278*      | 8774    | 280         | 130     | 150        |
| CP 00767 POD1 |           | CP          | ED     |    | 3   | 2   | 35  | 188 | 30E | 599300 | 3619158*      | 9503    | 500         |         |            |
| CP 00647 POD1 | 0         | CP          | ED     | 4  | 2   | 2   | 15  | 198 | 30E | 598235 | 3614621*      | 9630    | 200         | 92      | 108        |
| CP 00822 POD1 |           | CP          | LE     |    | 4   | 4   | 15  | 198 | 30E | 598148 | 3613516*      | 9826    | 90          |         |            |
|               |           |             |        |    |     |     |     |     |     |        |               |         |             |         |            |

Average Depth to Water:

148 feet

Minimum Depth:

65 feet

Maximum Depth:

345 feet

Record Count:24

UTMNAD83 Radius Search (in meters):

Easting (X): 607857.43

Northing (Y): 3615025,28

Radius: 10000

\*UTM location was derived from PLSS - see Help

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

5/13/20 8:22 AM

Released to Imaging: 7/14/2021: 9:15:04 AM

Map Unit Description: Kimbrough-Stegall loams, 0 to 3 percent slopes---Eddy Area, New

# Eddy Area, New Mexico

# KT—Kimbrough-Stegall loams, 0 to 3 percent slopes

# Map Unit Setting

National map unit symbol: 1w4t Elevation: 2,750 to 5,000 feet

Mean annual precipitation: 8 to 16 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 230 days

Farmland classification: Not prime farmland

# Map Unit Composition

Kimbrough and similar soils: 70 percent Stegall and similar soils: 25 percent Minor components: 5 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

# Description of Kimbrough

# Setting

Landform: Plains, alluvial fans

Landform position (three-dimensional): Talf, rise

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

### Typical profile

H1 - 0 to 3 inches: loam H2 - 3 to 9 inches: loam H3 - 9 to 60 inches: indurated

# Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 8 to 20 inches to petrocalcic

Natural drainage class: Well drained

Runoff class: Very high

Capacity of the most limiting layer to transmit water (Ksat): Very

low to moderately low (0.00 to 0.06 in/hr) Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum in profile: 15 percent

Salinity, maximum in profile: Nonsaline to very slightly saline (0.0

to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum in profile: 1.0

Available water storage in profile: Very low (about 1.3 inches)

### Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s



Received by OCD: 6/22/2021 12:00:05PAM

Map Unit Description: Kimbrough-Stegall foams, 0 to 3 percent slopes---Eddy Area, New Mexico

Hydrologic Soil Group: D

Ecological site: Shallow (R042XC025NM)

Hydric soil rating: No

# **Description of Stegall**

# Setting

Landform: Plains, alluvial fans

Landform position (three-dimensional): Rise

Down-slope shape: Convex, linear Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

# Typical profile

H1 - 0 to 5 inches: loam
H2 - 5 to 28 inches: clay loam
H3 - 28 to 32 inches: indurated
H4 - 32 to 60 inches: variable

# Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 20 to 40 inches to petrocalcic

Natural drainage class: Well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat): Low to

moderately high (0.01 to 0.60 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum in profile: 90 percent

Salinity, maximum in profile: Nonsaline to slightly saline (0.0 to 4.0

mmhos/cm)

Sodium adsorption ratio, maximum in profile: 1.0

Available water storage in profile: Low (about 4.8 inches)

## Interpretive groups

Land capability classification (irrigated): 3e Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: C

Ecological site: Loamy (R042XC007NM)

Hydric soil rating: No

# **Minor Components**

# Simona

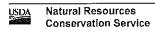
Percent of map unit: 5 percent

Ecological site: Shallow Sandy (R042XC002NM)

Hydric soil rating: No

# **Data Source Information**

Soil Survey Area: Eddy Area, New Mexico Survey Area Data: Version 15, Sep 15, 2019



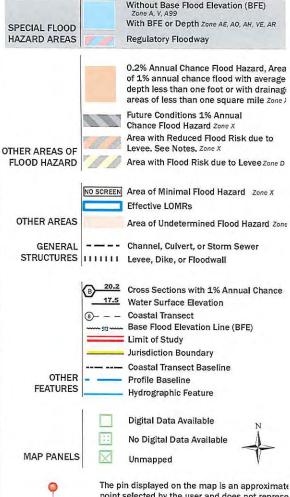
# National Flood Hazard Layer FIRMette





# Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT



point selected by the user and does not represe an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/13/2020 at 10:39:58 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for



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Received by OCD: 6/22/2021 12:00:05 AM



# **APPENDIX III**

**C-141 FORMS** 

Received by OCD: 6/22/2021 12:00:05/2M

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

Surface Owner: State Federal Tribal Private (Name: \_

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    | NRM2014569455 |
|----------------|---------------|
| District RP    |               |
| Facility ID    |               |
| Application ID |               |

# **Release Notification**

# Responsible Party

| Responsible Party Devon Energy Production Company | OGRID 6137                     |  |
|---|--------------------------------|--|
| Contact Name Wesley Mathews                       | Contact Telephone 575-748-6195 |  |
| Contact email Wesley.Mathews@dvn.com              | Incident # (assigned by OCD)   |  |
| Contact mailing address 6488 Seven Rivers Hwy     |                                |  |
| V 100 5 10 10 10                                  | D.J C                          |  |

# **Location of Release Source**

| Latitude 32  | 6676        |  | (NAD 83 in deci | Longitude103.8497                 |  |
|--------------|-------------|--|-----------------|-----------------------------------|--|
| Site Name Bo | ootes 15 Fe | ed Com 1H  |                 | Site Type Oil                     |  |
| Date Release |             | The state of the s |                 | API# (if applicable) 30-015-40407 |  |
| Unit Letter  | Section     | Township   | Range           | County                            |  |
| Α            | 15          | 198  | 31E             | Eddy                              |  |

# Nature and Volume of Release

| Crude Oil              | Volume Released (bbls) 10.79 BBLS  | Volume Recovered (bbls) 3 BBLS          |
|------------------------|--|---|
| Produced Water         | Volume Released (bbls) 21.44 BBLS  | Volume Recovered (bbls) 2 BBLS          |
|                        | Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l? | ☐ Yes ☐ No                              |
| Condensate             | Volume Released (bbls)   | Volume Recovered (bbls)                 |
| Natural Gas            | Volume Released (Mcf)  | Volume Recovered (Mcf)                  |
| Other (describe)       | Volume/Weight Released (provide units)   | Volume/Weight Recovered (provide units) |
| Cause of Release Fluic | l<br>d released from stuffing box on the well. So  | me fluid ran off pad.                   |

| Incide |
|--------|
| Divi   |

Page 2 of 3 NRM2014569455 Incident ID
District RP
Facility ID
Application ID

| Was this a major release as defined by 19.15.29.7(A) NMAC? | If YES, for what reason(s) does the responsible party consider this a major release? This is considered a major release because it is over 25 BBLS. |
|--|---|
| ☐ Yes ☐ No   |   |
| If VES was immediate n                                     | otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?   |
| Notice was given by  | y email to Debhorah McKinne, Robert Hamlet, Jim Griswold, Mike Bratcher, and om Wesley Mathews on 5/11/2020.  |

Oil Conservation Division

# **Initial Response**

| <ul> <li>■ The source of the release has been stopped.</li> <li>■ The impacted area has been secured to protect human health at Released materials have been contained via the use of berms of All free liquids and recoverable materials have been removed.</li> <li>If all the actions described above have not been undertaken, explain The spill was not in containment.</li> </ul> | or dikes, absorbent pads, or other containment devices. and managed appropriately.  |
|---|---|
| Released materials have been contained via the use of berms of All free liquids and recoverable materials have been removed.  If all the actions described above have not been undertaken, explain  | or dikes, absorbent pads, or other containment devices. and managed appropriately.  |
| All free liquids and recoverable materials have been removed.  If all the actions described above have <u>not</u> been undertaken, expla  | and managed appropriately.  |
| If all the actions described above have <u>not</u> been undertaken, expla   |   |
|   | iin why:  |
| The spill was not in containment.   |   |
|   |   |
|   |   |
|   |   |
|   |   |
| Per 19.15.29.8 B. (4) NMAC the responsible party may commence   | e remediation immediately after discovery of a release. If remediation  |
| has begun, please attach a narrative of actions to date. If remedi within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC   | ial efforts have been successfully completed or if the release occurred   |
| I hereby certify that the information given above is true and complete to t   |   |
| regulations all operators are required to report and/or file certain release in public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a taddition, OCD acceptance of a C-141 report does not relieve the operator  | notifications and perform corrective actions for releases which may endanger as OCD does not relieve the operator of liability should their operations have threat to groundwater, surface water, human health or the environment. In of responsibility for compliance with any other federal, state, or local laws |
| and/or regulations,   | FUC Associate   |
| Printed Name: Kendra DeHoyos  | Title: EHS Associate  |
| Signature: Kendra DeHoyos   | Date: 5/22/2020   |
| email: Kendra.DeHoyos@dvn.com   | Telephone: 575-748-0167   |
| Chian.  |   |
| OCD Only  |   |
| Received by: Ramona Marcus  | Date: 5/24/2020   |



# State of New Mexico Oil Conservation Division

| Incident ID    | NRM2014569455 |
|----------------|---------------|
| District RP    |               |
| Facility ID    | 30-015-40407  |
| 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.

|  | 1           |  |  |  |  |
|--|-------------|--|--|--|--|
| What is the shallowest depth to groundwater beneath the area affected by the release?  | 166(ft bgs) |  |  |  |  |
| Did this release impact groundwater or surface water?  | ☐ Yes ⊠ No  |  |  |  |  |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?   | ☐ Yes ⊠ No  |  |  |  |  |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?   | ☐ Yes ⊠ No  |  |  |  |  |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?   | ☐ Yes ⊠ No  |  |  |  |  |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?  | ☐ Yes ⊠ No  |  |  |  |  |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?   | ☐ Yes ⊠ No  |  |  |  |  |
| Are the lateral extents of the release within incorporated municipal houndaries or within a defined municipal fresh water well field?  | ☐ Yes ⊠ No  |  |  |  |  |
| Are the lateral extents of the release within 300 feet of a wetland?   | ☐ Yes ⊠ No  |  |  |  |  |
| Are the lateral extents of the release overlying a subsurface mine?  | ☐ Yes ⊠ No  |  |  |  |  |
| Are the lateral extents of the release overlying an unstable area such as karst geology?   | ☐ Yes ⊠ No  |  |  |  |  |
| Are the lateral extents of the release within a 100-year floodplain?   | ☐ Yes ⊠ No  |  |  |  |  |
| Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?   | ⊠ Yes □ No  |  |  |  |  |
| Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics. |             |  |  |  |  |
| Characterization Report Checklist: Each of the following items must be included in the report.   |             |  |  |  |  |
|  |             |  |  |  |  |

|                 | Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. |
|-----------------|---|
|                 |   |
| $  \boxtimes  $ | Field data  |
|                 | Data table of soil contaminant concentration data   |
| $\mathbb{Z}$    | Depth to water determination  |
|                 | Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release         |
|                 | Boring or excavation logs   |
|                 | Photographs including date and GIS information  |
|                 | Topographic/Aerial maps  Laboratory data including chain of custody   |
|                 | Laboratory data including chain of custody  |

the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation an. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan demethods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Released to Imaging: 3/14/202189:15:04/AM



# State of New Mexico Oil Conservation Division

| Incident ID    | NRM2014569455           |
|----------------|-------------------------|
| District RP    |                         |
| Facility ID    | 30-015-40407            |
| Application ID | V. or the second second |

| I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a threaddition, OCD acceptance of a C-141 report does not relieve the operator and/or regulations. | otifications and perform corrective actions for releases which may endanger<br>e OCD does not relieve the operator of liability should their operations have<br>areat to groundwater, surface water, human health or the environment. In |
|--|--|
| Printed Name: Brandon Sinclair   | Title: Environmental Project Manager   |
| Signature: Brank Sink  | Date: 12-3-2020  |
| email: bsinclair@talonlpe.com  | Telephone: 575-746-8768  |
| OCD Only   |  |
| Received by:   | Date:  |



# State of New Mexico Oil Conservation Division

| Incident ID    | NRM2014569455 |
|----------------|---------------|
| District RP    |               |
| Facility ID    | 30-015-40407  |
| Application ID |               |

Released to Imaging: 7/14/2028 9:15:04-AM

# Remediation Plan

| Remediation Plan Checklist: Each of the following its   | ems must be included in the plan.  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|
| <ul> <li>☑ Detailed description of proposed remediation technique</li> <li>☑ Scaled sitemap with GPS coordinates showing delineation points</li> <li>☑ Estimated volume of material to be remediated</li> <li>☑ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC</li> <li>☑ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)</li> </ul> |  |  |  |  |  |  |  |  |  |
| Deferral Requests Only: Each of the following items i   | must be confirmed as part of any request for deferral of remediation.  |  |  |  |  |  |  |  |  |
| Contamination must be in areas immediately under of deconstruction.   | or around production equipment where remediation could cause a major facility  |  |  |  |  |  |  |  |  |
| ☐ Extents of contamination must be fully delineated.  |  |  |  |  |  |  |  |  |  |
| Contamination does not cause an imminent risk to hu   | nman health, the environment, or groundwater.  |  |  |  |  |  |  |  |  |
| rules and regulations all operators are required to report a<br>which may endanger public health or the environment. This is a should their operations have failed to adequately  | and complete to the best of my knowledge and understand that pursuant to OCD and/or file certain release notifications and perform corrective actions for releases. The acceptance of a C-141 report by the OCD does not relieve the operator of investigate and remediate contamination that pose a threat to groundwater, tion, OCD acceptance of a C-141 report does not relieve the operator of e, or local laws and/or regulations. |  |  |  |  |  |  |  |  |
| Printed Name: Brandon Sinclair  | Title: Environmental Project Manager   |  |  |  |  |  |  |  |  |
| Signature: 2 Signature:   | Date: 12-3-2020  |  |  |  |  |  |  |  |  |
| email: bsinclair@talonlpe.com   | Telephone: 575-746-8768  |  |  |  |  |  |  |  |  |
| OCD Only  |  |  |  |  |  |  |  |  |  |
| Received by: Chad Hensley   | Date:03/1/2021   |  |  |  |  |  |  |  |  |
|   | nditions of Approval   |  |  |  |  |  |  |  |  |
| Signature: Child Hend   | Date: 03/01/2021   |  |  |  |  |  |  |  |  |
|   |  |  |  |  |  |  |  |  |  |



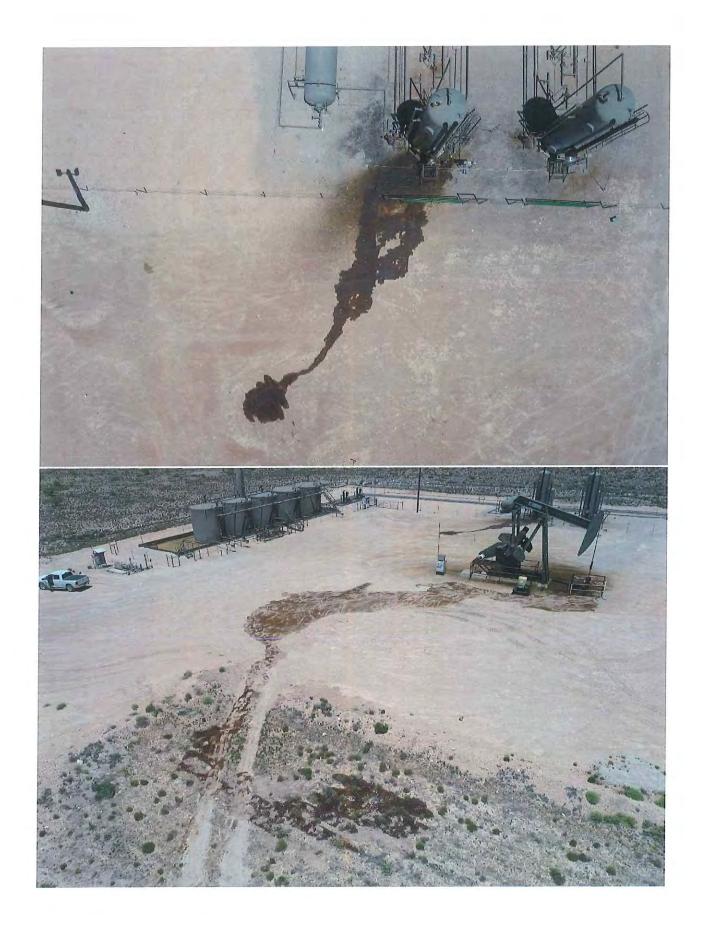
# APPENDIX IV

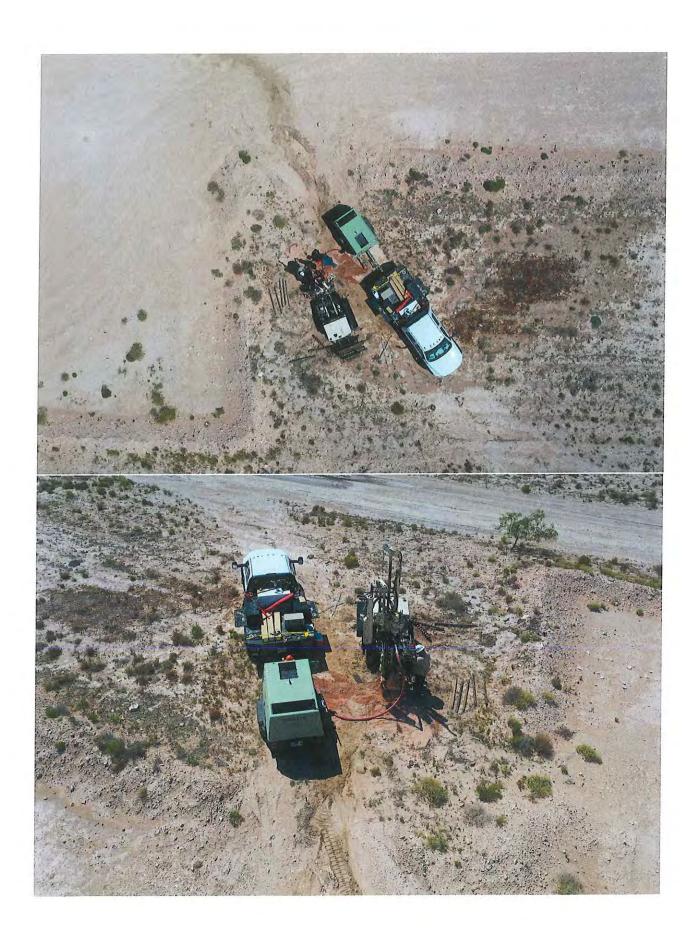
# PHOTOGRAPHIC DOCUMENTATION

Received by OCD: 6/22/2021 12:00:05/2M











# APPENDIX V

# LABORATORY DATA

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

OrderNo.: 2006054

Released to Imaging: 3/14/2021: 9:15:04/AM

June 05, 2020

David Adkins
Talon Artesia
408 West Texas Ave
Artesia, NM 88210
TEL:
FAX

RE: Bootes 15 Fed Com 1H

Dear David Adkins:

Hall Environmental Analysis Laboratory received 32 sample(s) on 6/2/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

**Analytical Report** 

Lab Order 2006054

Date Reported: 6/5/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-1 0-1'

Project: Bootes 15 Fed Com 1H

Collection Date: 5/29/2020 9:23:00 AM

Lab ID: 2006054-001

Matrix: MEOH (SOIL) Received Date: 6/2/2020 9:25:00 AM

| Analyses                            | Result  | RL                    | Qual | Units | DF | Date Analyzed        | Batch  |
|-------------------------------------|---------|-----------------------|------|-------|----|----------------------|--------|
| EPA METHOD 300.0: ANIONS            |         |                       |      |       |    | Analyst              | CAS    |
| Chloride                            | ND      | 60                    |      | mg/Kg | 20 | 6/2/2020 7:19:08 PM  | 52833  |
| EPA METHOD 8015M/D: DIESEL RANGE OF | RGANICS |                       |      |       |    | Analyst              | : JME  |
| Diesel Range Organics (DRO)         | 3200    | 190                   |      | mg/Kg | 20 | 6/2/2020 1:42:51 PM  | 52815  |
| Motor Oil Range Organics (MRO)      | 1600    | 960                   |      | mg/Kg | 20 | 6/2/2020 1:42:51 PM  | 52815  |
| Surr: DNOP                          | 0       | 55.1-1 <del>4</del> 6 | S    | %Rec  | 20 | 6/2/2020 1:42:51 PM  | 52815  |
| EPA METHOD 8015D: GASOLINE RANGE    |         |                       |      |       |    | Analyst              | NSB    |
| Gasoline Range Organics (GRO)       | 1500    | 21                    |      | mg/Kg | 5  | 6/2/2020 12:01:16 PM | G69333 |
| Surr: BFB                           | 1630    | 66.6~105              | S    | %Rec  | 5  | 6/2/2020 12:01:16 PM | G69333 |
| EPA METHOD 8021B: VOLATILES         |         |                       |      |       |    | Analyst              | NSB    |
| Benzene                             | 4.6     | 0.10                  |      | mg/Kg | 5  | 6/2/2020 12:01:16 PM | B69333 |
| Toluene                             | 68      | 2.1                   |      | mg/Kg | 50 | 6/2/2020 9:03:16 PM  | B69333 |
| Ethylbenzene                        | 58      | 2.1                   |      | mg/Kg | 50 | 6/2/2020 9:03:16 PM  | B69333 |
| Xylenes, Total                      | 80      | 4.2                   |      | mg/Kg | 50 | 6/2/2020 9:03:16 PM  | B69333 |
| Surr: 4-Bromofluorobenzene          | 132     | 80-120                | S    | %Rec  | 50 | 6/2/2020 9:03:16 PM  | B69333 |

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

# Qualifiers:

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

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

Page 1 of 39

CLIENT: Talon Artesia

Client Sample ID: B-1 2'

Project:

: Bootes 15 Fed Com 1H

Collection Date: 5/29/2020 9:23:00 AM

Lab ID: 2006054-002 Matrix: MEOH (SOIL)

Hall Environmental Analysis Laboratory, Inc.

**Received Date:** 6/2/2020 9:25:00 AM

| Analyses                             | Result | RL       | Qual | Units | DF | Date Analyzed        | Batch  |
|--------------------------------------|--------|----------|------|-------|----|----------------------|--------|
| EPA METHOD 300.0: ANIONS             |        |          |      |       |    | Analyst              | CAS    |
| Chloride                             | ND     | 60       |      | mg/Kg | 20 | 6/2/2020 7:56:21 PM  | 52833  |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | ANICS  |          |      |       |    | Analyst              | JME    |
| Diesel Range Organics (DRO)          | 150    | 9.9      |      | mg/Kg | 1  | 6/2/2020 12:39:51 PM | 52815  |
| Motor Oil Range Organics (MRO)       | 83     | 50       |      | mg/Kg | 1  | 6/2/2020 12:39:51 PM | 52815  |
| Surr: DNOP                           | 95.0   | 55.1-146 |      | %Rec  | 1  | 6/2/2020 12:39:51 PM | 52815  |
| EPA METHOD 8015D: GASOLINE RANGE     |        |          |      |       |    | Analyst              | NSB    |
| Gasoline Range Organics (GRO)        | 5.8    | 4.2      |      | mg/Kg | 1  | 6/2/2020 12:48:33 PM | G69333 |
| Surr: BFB                            | 145    | 66,6-105 | S    | %Rec  | 1  | 6/2/2020 12:48:33 PM | G69333 |
| EPA METHOD 8021B: VOLATILES          |        |          |      |       |    | Analyst:             | NSB    |
| Benzene                              | 0.023  | 0.021    |      | mg/Kg | 1  | 6/2/2020 12:48:33 PM | B69333 |
| Toluene                              | 0.087  | 0.042    |      | mg/Kg | 1  | 6/2/2020 12:48:33 PM | B69333 |
| Ethylbenzene                         | 0.14   | 0.042    |      | mg/Kg | 1  | 6/2/2020 12:48:33 PM | B69333 |
| Xylenes, Total                       | 0.18   | 0.084    |      | mg/Kg | 1  | 6/2/2020 12:48:33 PM | B69333 |
| Surr: 4-Bromofluorobenzene           | 113    | 80-120   |      | %Rec  | 1  | 6/2/2020 12:48:33 PM | B69333 |

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

## Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

L Reporting Limit

Page 2 of 39

Released to Imaging: 7/14/202E 9:15:04/AM

**Analytical Report** 

Lab Order 2006054

Client Sample ID: B-1 3'

Date Reported: 6/5/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Collection Date: 5/29/2020 9:23:00 AM Bootes 15 Fed Com 1H Project: Lab ID: 2006054-003 Matrix: MEOH (SOIL) Received Date: 6/2/2020 9:25:00 AM

| Analyses                             | Result | RL       | Qual Units | DF | Date Analyzed        | Batch  |
|--------------------------------------|--------|----------|------------|----|----------------------|--------|
| EPA METHOD 300.0: ANIONS             |        |          |            |    | Analyst              | CAS    |
| Chloride                             | ND     | 60       | mg/Kg      | 20 | 6/2/2020 8:33:35 PM  | 52833  |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | ANICS  |          |            |    | Analyst:             | JME    |
| Diesel Range Organics (DRO)          | ND     | 9.8      | mg/Kg      | 1  | 6/2/2020 12:16:00 PM | 52815  |
| Motor Oil Range Organics (MRO)       | ND     | 49       | mg/Kg      | 1  | 6/2/2020 12:16:00 PM | 52815  |
| Surr: DNOP                           | 92.2   | 55.1-146 | %Rec       | 1  | 6/2/2020 12:16:00 PM | 52815  |
| EPA METHOD 8015D: GASOLINE RANGE     |        |          |            |    | Analyst:             | NSB    |
| Gasoline Range Organics (GRO)        | ND     | 4.7      | mg/Kg      | 1  | 6/2/2020 1:12:13 PM  | G69333 |
| Surr: BFB                            | 82.9   | 66.6-105 | %Rec       | 1  | 6/2/2020 1:12:13 PM  | G69333 |
| EPA METHOD 8021B: VOLATILES          |        |          |            |    | Analyst:             | NSB    |
| Benzene                              | ND     | 0.024    | mg/Kg      | 1  | 6/2/2020 1:12:13 PM  | B69333 |
| Toluene                              | ND     | 0.047    | mg/Kg      | 1  | 6/2/2020 1:12:13 PM  | B69333 |
| Ethylbenzene                         | ND     | 0.047    | mg/Kg      | 1  | 6/2/2020 1:12:13 PM  | B69333 |
| Xylenes, Total                       | ND     | 0.094    | mg/Kg      | 1  | 6/2/2020 1:12:13 PM  | B69333 |
| Surr: 4-Bromofluorobenzene           | 101    | 80-120   | %Rec       | 1  | 6/2/2020 1:12:13 PM  | B69333 |

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

### Qualifiers:

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

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

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**Analytical Report** 

Lab Order 2006054

Date Reported: 6/5/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-1 4' R

Project: Bootes 15 Fed Com 1H Collection Date: 5/29/2020 9:23:00 AM

2006054-004 Lab ID:

Matrix: MEOH (SOIL) Received Date: 6/2/2020 9:25:00 AM

| Analyses                             | Result | RL       | Qual U | Jnits | DF | Date Analyzed        | Batch  |
|--------------------------------------|--------|----------|--------|-------|----|----------------------|--------|
| EPA METHOD 300.0: ANIONS             |        |          |        |       |    | Analyst              | CAS    |
| Chloride                             | ND     | 60       | n      | ng/Kg | 20 | 6/2/2020 8:46:00 PM  | 52833  |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | ANICS  |          |        |       |    | Analyst              | JME    |
| Diesel Range Organics (DRO)          | 19     | 9.7      | m      | ng/Kg | 1  | 6/2/2020 12:19:32 PM | 52815  |
| Motor Oil Range Organics (MRO)       | ND     | 48       | m      | ng/Kg | 1  | 6/2/2020 12:19:32 PM | 52815  |
| Surr: DNOP                           | 98.0   | 55.1-146 | %      | 6Rec  | 1  | 6/2/2020 12:19:32 PM | 52815  |
| EPA METHOD 8015D: GASOLINE RANGE     |        |          |        |       |    | Analyst:             | NSB    |
| Gasoline Range Organics (GRO)        | ND     | 3.6      | m      | ng/Kg | 1  | 6/2/2020 1:35:50 PM  | G69333 |
| Surr: BFB                            | 89.8   | 66,6-105 | %      | 6Rec  | 1  | 6/2/2020 1:35:50 PM  | G69333 |
| EPA METHOD 8021B: VOLATILES          |        |          |        |       |    | Analyst:             | NSB    |
| Benzene                              | ND     | 0.018    | m      | ng/Kg | 1  | 6/2/2020 1:35:50 PM  | B69333 |
| Toluene                              | ND     | 0,036    | m      | ng/Kg | 1  | 6/2/2020 1:35:50 PM  | B69333 |
| Ethylbenzene                         | 0.037  | 0.036    | m      | ıg/Kg | 1  | 6/2/2020 1:35:50 PM  | B69333 |
| Xylenes, Total                       | ND     | 0.072    | m      | ng/Kg | 1  | 6/2/2020 1:35:50 PM  | B69333 |
| Surr: 4-Bromofluorobenzene           | 105    | 80-120   | %      | 6Rec  | 1  | 6/2/2020 1:35:50 PM  | B69333 |

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

Qualifiers:

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

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

Page 4 of 39

# **Analytical Report**

Lab Order 2006054

Date Reported: 6/5/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia Client Sample ID: B-2 0-1'

 Project:
 Bootes 15 Fed Com 1H
 Collection Date: 5/29/2020 9:47:00 AM

 Lab ID:
 2006054-005
 Matrix: MEOH (SOIL)
 Received Date: 6/2/2020 9:25:00 AM

DF Date Analyzed Batch Result RL Qual Units Analyses Analyst: CAS **EPA METHOD 300.0: ANIONS** 52833 6/2/2020 9:23:14 PM 60 Chloride 61 mg/Kg 20 Analyst: JME EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Diesel Range Organics (DRO) 6/2/2020 2:06:43 PM 52815 1600 99 mg/Kg 10 Motor Oil Range Organics (MRO) 860 500 mg/Kg 6/2/2020 2:06:43 PM 52815 0 55.1-146 S %Rec 10 6/2/2020 2:06:43 PM 52815 Surr: DNOP **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB 6/2/2020 1:59:34 PM G69333 Gasoline Range Organics (GRO) 150 21 mg/Kg 5 66.6-105 5 6/2/2020 1:59:34 PM G69333 Surr: BFB 393 S %Rec **EPA METHOD 8021B: VOLATILES** Analyst: NSB B69333 ND 6/2/2020 1:59:34 PM Benzene 0.10 mg/Kg 5 Toluene 0.95 0.21 mg/Kg 5 6/2/2020 1:59:34 PM B69333 Ethylbenzene 5.3 0.21 mg/Kg 5 6/2/2020 1:59:34 PM B69333 Xylenes, Total 10 0.41 mg/Kg 5 6/2/2020 1:59:34 PM B69333 Surr: 4-Bromofluorobenzene 158 80-120 %Rec 6/2/2020 1:59:34 PM B69333

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

### Qualifiers:

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

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

Page 5 of 39

**Analytical Report** 

Lab Order 2006054

Date Reported: 6/5/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-2 2'

Project: Bootes 15 Fed Com 1H

Collection Date: 5/29/2020 9:47:00 AM

**Lab ID:** 2006054-006

Matrix: MEOH (SOIL)

Received Date: 6/2/2020 9:25:00 AM

| Analyses                             | Result | RL       | Qual Units | DF         | Date Analyzed        | Batch  |
|--------------------------------------|--------|----------|------------|------------|----------------------|--------|
| EPA METHOD 300.0: ANIONS             |        |          |            |            | Analys               | t: CAS |
| Chloride                             | 110    | 60       | mg/K       | g 20       | 6/2/2020 9:35:39 PM  | 52833  |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | BANICS |          |            |            | Analys               | : JME  |
| Diesel Range Organics (DRO)          | ND     | 9.7      | mg/K       | g 1        | 6/2/2020 12:43:47 PM | 52815  |
| Motor Oil Range Organics (MRO)       | ND     | 48       | mg/K       | g 1        | 6/2/2020 12:43:47 PM | 52815  |
| Surr: DNOP                           | 86,9   | 55.1-146 | %Red       | : 1        | 6/2/2020 12:43:47 PM | 52815  |
| EPA METHOD 8015D: GASOLINE RANGE     |        |          |            |            | Analyst              | : NSB  |
| Gasoline Range Organics (GRO)        | ND     | 4.8      | mg/K       | <b>j</b> 1 | 6/2/2020 2:23:07 PM  | G69333 |
| Surc: BFB                            | 0.08   | 66.6-105 | %Red       | : 1        | 6/2/2020 2:23:07 PM  | G69333 |
| EPA METHOD 8021B: VOLATILES          |        |          |            |            | Analyst              | : NSB  |
| Benzene                              | ND     | 0.024    | mg/K       | 1          | 6/2/2020 2:23:07 PM  | B69333 |
| Toluene                              | ND     | 0.048    | mg/Kg      | <b>j</b> 1 | 6/2/2020 2:23:07 PM  | B69333 |
| Ethylbenzene                         | ND     | 0.048    | mg/K       | <b>j</b> 1 | 6/2/2020 2:23:07 PM  | B69333 |
| Xylenes, Total                       | ND     | 0.095    | mg/K       | 1          | 6/2/2020 2:23:07 PM  | B69333 |
| Surr: 4-Bromofluorobenzene           | 100    | 80-120   | %Red       | 1          | 6/2/2020 2:23:07 PM  | B69333 |

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

Qualifiers:

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

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

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**Analytical Report** 

Lab Order 2006054

Date Reported: 6/5/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-2 3'R

Project: Bootes 15 Fed Com 1H

Collection Date: 5/29/2020 9:47:00 AM

Lab ID: 2006054-007

Matrix: MEOH (SOIL)

Received Date: 6/2/2020 9:25:00 AM

| Analyses                            | Result | RL       | Qual | Units | DF | Date Analyzed       | Batch  |
|-------------------------------------|--------|----------|------|-------|----|---------------------|--------|
| EPA METHOD 300.0: ANIONS            |        |          |      |       |    | Analyst:            | CAS    |
| Chloride                            | ND     | 60       |      | mg/Kg | 20 | 6/2/2020 9:48:04 PM | 52833  |
| EPA METHOD 8015M/D: DIESEL RANGE OR | GANICS |          |      |       |    | <b>A</b> nalyst:    | JME    |
| Diesel Range Organics (DRO)         | ND     | 9.9      |      | mg/Kg | 1  | 6/2/2020 1:07:53 PM | 52815  |
| Motor Oil Range Organics (MRO)      | ND     | 50       |      | mg/Kg | 1  | 6/2/2020 1:07:53 PM | 52815  |
| Surr: DNOP                          | 83.5   | 55.1-146 |      | %Rec  | 1  | 6/2/2020 1:07:53 PM | 52815  |
| EPA METHOD 8015D: GASOLINE RANGE    |        |          |      |       |    | Analyst:            | NSB    |
| Gasoline Range Organics (GRO)       | ND     | 4.4      |      | mg/Kg | 1  | 6/2/2020 2:46:38 PM | G69333 |
| Surr: BFB                           | 79.5   | 66.6-105 |      | %Rec  | 1  | 6/2/2020 2:46:38 PM | G69333 |
| EPA METHOD 8021B: VOLATILES         |        |          |      |       |    | Analyst:            | NSB    |
| Benzene                             | ND     | 0.022    |      | mg/Kg | 1  | 6/2/2020 2:46:38 PM | B69333 |
| Toluene                             | ND     | 0.044    |      | mg/Kg | 1  | 6/2/2020 2:46:38 PM | B69333 |
| Ethylbenzene                        | ND     | 0.044    |      | mg/Kg | 1  | 6/2/2020 2:46:38 PM | B69333 |
| Xylenes, Total                      | ND     | 0.088    |      | mg/Kg | 1  | 6/2/2020 2:46:38 PM | B69333 |
| Surr: 4-Bromofluorobenzene          | 97.9   | 80-120   |      | %Rec  | 1  | 6/2/2020 2:46:38 PM | B69333 |

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

### Qualifiers:

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

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

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**Analytical Report** 

Lab Order 2006054

Date Reported: 6/5/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Lab ID:

Bootes 15 Fed Com 1H

Project: 2006054-008

Matrix: MEOH (SOIL)

Client Sample ID: B-3 0-1'

Collection Date: 5/29/2020 10:00:00 AM

Received Date: 6/2/2020 9:25:00 AM

| Analyses                             | Result | RL       | Qual | Units | DF | Date Analyzed        | Batch  |
|--------------------------------------|--------|----------|------|-------|----|----------------------|--------|
| EPA METHOD 300.0: ANIONS             |        |          |      |       |    | Analyst              | CAS    |
| Chloride                             | ND     | 59       |      | mg/Kg | 20 | 6/2/2020 10:00:28 PM | 52833  |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | BANICS |          |      |       |    | Analyst              | JME    |
| Diesel Range Organics (DRO)          | 3500   | 190      |      | mg/Kg | 20 | 6/2/2020 2:30:45 PM  | 52815  |
| Motor Oil Range Organics (MRO)       | 1500   | 960      |      | mg/Kg | 20 | 6/2/2020 2:30:45 PM  | 52815  |
| Surr: DNOP                           | 0      | 55.1-146 | S    | %Rec  | 20 | 6/2/2020 2:30:45 PM  | 52815  |
| EPA METHOD 8015D: GASOLINE RANGE     |        |          |      |       |    | Analyst:             | NSB    |
| Gasoline Range Organics (GRO)        | 420    | 20       |      | mg/Kg | 5  | 6/2/2020 3:10:09 PM  | G69333 |
| Surr: BFB                            | 623    | 66.6-105 | S    | %Rec  | 5  | 6/2/2020 3:10:09 PM  | G69333 |
| EPA METHOD 8021B: VOLATILES          |        |          |      |       |    | Analyst:             | NSB    |
| Benzene                              | 0.65   | 0.10     |      | mg/Kg | 5  | 6/2/2020 3:10:09 PM  | B69333 |
| Toluene                              | 17     | 0.20     |      | mg/Kg | 5  | 6/2/2020 3:10:09 PM  | B69333 |
| Ethylbenzene                         | 18     | 0.20     |      | mg/Kg | 5  | 6/2/2020 3:10:09 PM  | B69333 |
| Xylenes, Total                       | 26     | 0.40     |      | mg/Kg | 5  | 6/2/2020 3:10:09 PM  | B69333 |
| Surr: 4-Bromofluorobenzene           | 208    | 80-120   | S    | %Rec  | 5  | 6/2/2020 3:10:09 PM  | B69333 |

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

Qualifiers:

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

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

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**Analytical Report** 

Lab Order 2006054

Date Reported: 6/5/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia Client Sample ID: B-3 2'

 Project:
 Bootes 15 Fed Com 1H
 Collection Date: 5/29/2020 10:00:00 AM

 Lab ID:
 2006054-009
 Matrix: MEOH (SOIL)
 Received Date: 6/2/2020 9:25:00 AM

| Analyses                            | Result | RL       | Qual | Units | DF | Date Analyzed        | Batch  |
|-------------------------------------|--------|----------|------|-------|----|----------------------|--------|
| EPA METHOD 300.0: ANIONS            |        |          |      |       |    | <b>A</b> nalyst:     | CAS    |
| Chloride                            | ND     | 60       |      | mg/Kg | 20 | 6/2/2020 10:12:53 PM | 52833  |
| EPA METHOD 8015M/D: DIESEL RANGE OR | GANICS |          |      |       |    | Analyst:             | JME    |
| Diesel Range Organics (DRO)         | 3700   | 190      |      | mg/Kg | 20 | 6/2/2020 1:45:54 PM  | 52815  |
| Motor Oil Range Organics (MRO)      | 1400   | 970      |      | mg/Kg | 20 | 6/2/2020 1:45:54 PM  | 52815  |
| Surr: DNOP                          | 0      | 55.1-146 | S    | %Rec  | 20 | 6/2/2020 1:45:54 PM  | 52815  |
| EPA METHOD 8015D: GASOLINE RANGE    |        |          |      |       |    | Analyst:             | NSB    |
| Gasoline Range Organics (GRO)       | 1300   | 21       |      | mg/Kg | 5  | 6/2/2020 5:55:13 PM  | G69333 |
| Surr: BFB                           | 1440   | 66.6-105 | S    | %Rec  | 5  | 6/2/2020 5:55:13 PM  | G69333 |
| EPA METHOD 8021B: VOLATILES         |        |          |      |       |    | Analyst:             | NSB    |
| Benzene                             | 3.3    | 0.10     |      | mg/Kg | 5  | 6/2/2020 5:55:13 PM  | B69333 |
| Toluene                             | 66     | 2.1      |      | mg/Kg | 50 | 6/3/2020 8:29:25 AM  | B69333 |
| Ethylbenzene                        | 59     | 2.1      |      | mg/Kg | 50 | 6/3/2020 8:29:25 AM  | B69333 |
| Xylenes, Total                      | 80     | 4.2      |      | mg/Kg | 50 | 6/3/2020 8:29:25 AM  | B69333 |
| Surr: 4-Bromofluorobenzene          | 133    | 80-120   | S    | %Rec  | 50 | 6/3/2020 8:29:25 AM  | B69333 |

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

## Qualifiers:

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

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

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**Analytical Report** 

Lab Order 2006054

Date Reported: 6/5/2020

# Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: B-3 3'R CLIENT: Talon Artesia

Collection Date: 5/29/2020 10:00:00 AM Project: Bootes 15 Fed Com 1H

Received Date: 6/2/2020 9:25:00 AM Matrix: MEOH (SOLL) 2006054-010 Lab ID:

| Analyses                             | Result | RL       | Qual | Units | DF | Date Analyzed        | Batch  |
|--------------------------------------|--------|----------|------|-------|----|----------------------|--------|
| EPA METHOD 300.0: ANIONS             |        |          |      |       |    | Analyst              | CAS    |
| Chloride                             | ND     | 60       |      | mg/Kg | 20 | 6/2/2020 10:25:18 PM | 52833  |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | BANICS |          |      |       |    | Analyst              | JME    |
| Diesel Range Organics (DRO)          | 920    | 98       |      | mg/Kg | 10 | 6/2/2020 2:10:15 PM  | 52815  |
| Motor Oil Range Organics (MRO)       | 610    | 490      |      | mg/Kg | 10 | 6/2/2020 2:10:15 PM  | 52815  |
| Surr: DNOP                           | 0      | 55.1-146 | s    | %Rec  | 10 | 6/2/2020 2:10:15 PM  | 52815  |
| EPA METHOD 8015D: GASOLINE RANGE     |        |          |      |       |    | Analyst:             | NSB    |
| Gasoline Range Organics (GRO)        | ND     | 5.2      |      | mg/Kg | 1  | 6/2/2020 6:18:41 PM  | G69333 |
| Surr: BFB                            | 112    | 66.6-105 | S    | %Rec  | 1  | 6/2/2020 6:18:41 PM  | G69333 |
| EPA METHOD 8021B: VOLATILES          |        |          |      |       |    | Analyst:             | NSB    |
| Benzene                              | ND     | 0.026    |      | mg/Kg | 1  | 6/2/2020 6:18:41 PM  | B69333 |
| Toluene                              | 0.061  | 0.052    |      | mg/Kg | 1  | 6/2/2020 6:18:41 PM  | B69333 |
| Ethylbenzene                         | 0.095  | 0.052    |      | mg/Kg | 1  | 6/2/2020 6:18:41 PM  | B69333 |
| Xylenes, Total                       | 0.20   | 0.10     |      | mg/Kg | 1  | 6/2/2020 6:18:41 PM  | B69333 |
| Surr: 4-Bromofluorobenzene           | 109    | 80-120   |      | %Rec  | 1  | 6/2/2020 6:18:41 PM  | B69333 |

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

Qualifiers:

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

- Analyte detected in the associated Method Blank
- Ε Value above quantitation range
- Analyte detected below quantitation linuts
- Sample pH Not In Range
- RLReporting Limit

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# **Analytical Report**

Lab Order 2006054

Date Reported: 6/5/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia Client Sample ID: B-4 0-1'

 Project:
 Bootes 15 Fed Com 1H
 Collection Date: 5/29/2020 10:15:00 AM

 Lab ID:
 2006054-011
 Matrix: MEOH (SOIL)
 Received Date: 6/2/2020 9:25:00 AM

| Analyses                             | Result | RL       | Qual Units | DF | Date Analyzed        | Batch  |
|--------------------------------------|--------|----------|------------|----|----------------------|--------|
| EPA METHOD 300.0: ANIONS             |        |          |            |    | Analyst:             | CAS    |
| Chloride                             | ND     | 60       | mg/Kg      | 20 | 6/2/2020 10:37:42 PM | 52833  |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | SANICS |          |            |    | Analyst:             | JME    |
| Diesel Range Organics (DRO)          | ND     | 9.9      | mg/Kg      | 1  | 6/2/2020 2:34:19 PM  | 52815  |
| Motor Oil Range Organics (MRO)       | ND     | 50       | mg/Kg      | 1  | 6/2/2020 2:34:19 PM  | 52815  |
| Surr: DNOP                           | 90.5   | 55.1-146 | %Rec       | 1  | 6/2/2020 2:34:19 PM  | 52815  |
| EPA METHOD 8015D: GASOLINE RANGE     |        |          |            |    | Analyst:             | NSB    |
| Gasoline Range Organics (GRO)        | ND     | 5.3      | mg/Kg      | 1  | 6/2/2020 6:42:16 PM  | G69333 |
| Surr: BFB                            | 80.5   | 66.6-105 | %Rec       | 1  | 6/2/2020 6:42:16 PM  | G69333 |
| EPA METHOD 8021B: VOLATILES          |        |          |            |    | Analyst:             | NSB    |
| Benzene                              | ND     | 0.027    | mg/Kg      | 1  | 6/2/2020 6:42:16 PM  | B69333 |
| Toluene                              | ND     | 0.053    | mg/Kg      | 1  | 6/2/2020 6:42:16 PM  | B69333 |
| Ethylbenzene                         | ND     | 0.053    | mg/Kg      | 1  | 6/2/2020 6:42:16 PM  | B69333 |
| Xylenes, Total                       | ND     | 0.11     | mg/Kg      | 1  | 6/2/2020 6:42:16 PM  | B69333 |
| Surr: 4-Bromofluorobenzene           | 99.8   | 80-120   | %Rec       | 1  | 6/2/2020 6:42:16 PM  | B69333 |

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

### Qualifiers:

- Value exceeds Maximum Contaminant Level,
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
  - 8 % Recovery outside of range due to dilution or matrix

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

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**Analytical Report** 

Lab Order 2006054

Date Reported: 6/5/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-4 2'

Project: Bootes 15 Fed Com 1H

Collection Date: 5/29/2020 10:15:00 AM

Lab ID: 2006054-012

Matrix: MEOH (SOIL) Received Date: 6/2/2020 9:25:00 AM

| Analyses                            | Result  | RL       | Qual Units | DF | Date Analyzed        | Batch  |
|-------------------------------------|---------|----------|------------|----|----------------------|--------|
| EPA METHOD 300.0: ANIONS            |         |          |            |    | Analyst              | CAS    |
| Chloride                            | 61      | 60       | mg/Kg      | 20 | 6/2/2020 10:50:06 PM | 52833  |
| EPA METHOD 8015M/D: DIESEL RANGE OF | RGANICS |          |            |    | Analyst              | JME    |
| Diesel Range Organics (DRO)         | ND      | 9.9      | mg/Kg      | 1  | 6/2/2020 2:58:30 PM  | 52815  |
| Motor Oil Range Organics (MRO)      | ND      | 50       | mg/Kg      | 1  | 6/2/2020 2:58:30 PM  | 52815  |
| Surr: DNOP                          | 91.4    | 55.1-146 | %Rec       | 1  | 6/2/2020 2:58:30 PM  | 52815  |
| EPA METHOD 8015D: GASOLINE RANGE    |         |          |            |    | Analyst              | NSB    |
| Gasoline Range Organics (GRO)       | ND      | 3.9      | mg/Kg      | 1  | 6/2/2020 7:05:41 PM  | G69333 |
| Surr: BFB                           | 83.3    | 66.6-105 | %Rec       | 1  | 6/2/2020 7:05:41 PM  | G69333 |
| EPA METHOD 8021B: VOLATILES         |         |          |            |    | Analyst:             | NSB    |
| Benzene                             | ND      | 0.020    | mg/Kg      | 1  | 6/2/2020 7:05:41 PM  | B69333 |
| Toluene                             | ND      | 0.039    | mg/Kg      | 1  | 6/2/2020 7:05:41 PM  | B69333 |
| Ethylbenzene                        | ND      | 0.039    | mg/Kg      | 1  | 6/2/2020 7:05:41 PM  | B69333 |
| Xylenes, Total                      | ND      | 0.079    | mg/Kg      | 1  | 6/2/2020 7:05:41 PM  | B69333 |
| Surr: 4-Bromofluorobenzene          | 102     | 80-120   | %Rec       | 1  | 6/2/2020 7:05:41 PM  | B69333 |

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

Qualifiers:

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

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

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# **Analytical Report**

Lab Order 2006054

Date Reported: 6/5/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia Client Sample ID: B-4 3'

 Project:
 Bootes 15 Fed Com 1H
 Collection Date: 5/29/2020 10:15:00 AM

 Lab ID:
 2006054-013
 Matrix: MEOH (SOIL)
 Received Date: 6/2/2020 9:25:00 AM

Batch RL Qual Units DF Date Analyzed Result Analyses Analyst: CAS **EPA METHOD 300.0: ANIONS** 52833 6/2/2020 11:02:30 PM Chloride ND 60 mg/Kg Analyst: JME EPA METHOD 8015M/D: DIESEL RANGE ORGANICS 6/2/2020 3:22:40 PM 52815 Diesel Range Organics (DRO) ND 9.9 mg/Kg 52815 Motor Oil Range Organics (MRO) ND 49 mg/Kg 6/2/2020 3:22:40 PM 52815 92.3 55.1-146 %Rec 6/2/2020 3:22:40 PM Surr: DNOP Analyst: NSB **EPA METHOD 8015D: GASOLINE RANGE** 6/2/2020 7:29:11 PM G69333 ND 5.2 mg/Kg 1 Gasoline Range Organics (GRO) 6/2/2020 7:29:11 PM G69333 82.1 66.6-105 %Rec Surr: BFB Analyst: NSB **EPA METHOD 8021B: VOLATILES** 6/2/2020 7:29:11 PM B69333 ND 0.026 mg/Kg Benzene ND 0.052 mg/Kg 6/2/2020 7:29:11 PM B69333 Toluene ND 0.052 mg/Kg 6/2/2020 7:29:11 PM B69333 Ethylbenzene ND 0,10 mg/Kg 6/2/2020 7:29:11 PM B69333 Xylenes, Total 101 80-120 %Rec 6/2/2020 7:29:11 PM B69333 Surr: 4-Bromofluorobenzene

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

### Qualifiers:

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

D

S % Recovery outside of range due to dilution or matrix

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

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Released to Imaging: 7/14/202E 9:15:04/AM

Aualytical Report

Lab Order 2006054

Date Reported: 6/5/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia Client Sample ID: B-4 4'R

 Project:
 Bootes 15 Fed Com 1H
 Collection Date: 5/29/2020 10:15:00 AM

 Lab ID:
 2006054-014
 Matrix: MEOH (SOIL)
 Received Date: 6/2/2020 9:25:00 AM

| Analyses                            | Result | RL       | Qual Units | DF | Date Analyzed        | Batch  |
|-------------------------------------|--------|----------|------------|----|----------------------|--------|
| EPA METHOD 300.0: ANIONS            |        |          |            |    | <b>A</b> nalyst:     | CAS    |
| Chloride                            | ND     | 60       | mg/Kg      | 20 | 6/2/2020 11:14:54 PM | 52833  |
| EPA METHOD 8015M/D: DIESEL RANGE OR | GANICS |          |            |    | Analyst:             | JME    |
| Diesel Range Organics (DRO)         | ND     | 9.6      | mg/Kg      | 1  | 6/2/2020 4:11:10 PM  | 52815  |
| Motor Oil Range Organics (MRO)      | ND     | 48       | mg/Kg      | 1  | 6/2/2020 4:11:10 PM  | 52815  |
| Surr: DNOP                          | 93.7   | 55.1-146 | %Rec       | 1  | 6/2/2020 4:11:10 PM  | 52815  |
| EPA METHOD 8015D: GASOLINE RANGE    |        |          |            |    | Analyst:             | NSB    |
| Gasoline Range Organics (GRO)       | ND     | 4.4      | mg/Kg      | 1  | 6/2/2020 7:52:39 PM  | G69333 |
| Surr: BFB                           | 80.7   | 66.6-105 | %Rec       | 1  | 6/2/2020 7:52:39 PM  | G69333 |
| EPA METHOD 8021B: VOLATILES         |        |          |            |    | Analyst:             | NSB    |
| Benzene                             | ND     | 0.022    | mg/Kg      | 1  | 6/2/2020 7:52:39 PM  | B69333 |
| Toluene                             | ND     | 0.044    | mg/Kg      | 1  | 6/2/2020 7:52:39 PM  | B69333 |
| Ethylbenzene                        | ND     | 0.044    | mg/Kg      | 1  | 6/2/2020 7:52:39 PM  | B69333 |
| Xylenes, Total                      | ND     | 0.088    | mg/Kg      | 1  | 6/2/2020 7:52:39 PM  | B69333 |
| Surr: 4-Bromofluorobenzene          | 99.6   | 80-120   | %Rec       | 1  | 6/2/2020 7:52:39 PM  | B69333 |

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

Qualifiers:

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

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

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Lab Order 2006054

Date Reported: 6/5/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia Client Sample ID: B-5 0-1

 Project:
 Bootes 15 Fed Com 1H
 Collection Date: 5/29/2020 10:28:00 AM

 Lab ID:
 2006054-015
 Matrix: MEOH (SOIL)
 Received Date: 6/2/2020 9:25:00 AM

| Analyses                           | Result  | RL       | Qual Units | DF  | Date Analyzed       | Batch  |
|------------------------------------|---------|----------|------------|-----|---------------------|--------|
| EPA METHOD 300.0: ANIONS           |         |          |            |     | <b>A</b> nalyst:    | CAS    |
| Chloride                           | 5200    | 300      | mg/Kg      | 100 | 6/3/2020 7:43:43 AM | 52833  |
| EPA METHOD 8015M/D: DIESEL RANGE O | RGANICS |          |            |     | Analyst:            | JME    |
| Diesel Range Organics (DRO)        | 16      | 10       | mg/Kg      | 1   | 6/2/2020 2:54:49 PM | 52815  |
| Motor Oil Range Organics (MRO)     | ND      | 50       | mg/Kg      | 1   | 6/2/2020 2:54:49 PM | 52815  |
| Surr: DNOP                         | 89.2    | 55.1-146 | %Rec       | 1   | 6/2/2020 2:54:49 PM | 52815  |
| EPA METHOD 8015D: GASOLINE RANGE   |         |          |            |     | Analyst:            | NSB    |
| Gasoline Range Organics (GRO)      | ND      | 4.1      | mg/Kg      | 1   | 6/2/2020 8:16:14 PM | G69333 |
| Surr: BFB                          | 79.4    | 66.6-105 | %Rec       | 1   | 6/2/2020 8:16:14 PM | G69333 |
| EPA METHOD 8021B: VOLATILES        |         |          |            |     | <b>A</b> nalyst:    | NSB    |
| Benzene                            | ND      | 0.021    | mg/Kg      | 1   | 6/2/2020 8:16:14 PM | B69333 |
| Toluene                            | ND      | 0.041    | mg/Kg      | 1   | 6/2/2020 8:16:14 PM | B69333 |
| Ethylbenzene                       | ND      | 0.041    | mg/Kg      | 1   | 6/2/2020 8:16:14 PM | B69333 |
| Xylenes, Total                     | ND      | 0.083    | mg/Kg      | 1   | 6/2/2020 8:16:14 PM | B69333 |
| Surr: 4-Bromofluorobenzene         | 98.7    | 80-120   | %Rec       | 1   | 6/2/2020 8:16:14 PM | B69333 |

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

### Qualifiers:

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

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

uple plf Not in Range Page 15 of 39

Lab Order 2006054

Date Reported: 6/5/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

2006054-016

Client Sample ID: B-5 2'

Bootes 15 Fed Com 1H Project:

Lab ID:

Matrix: MEOH (SOIL)

Collection Date: 5/29/2020 10:28:00 AM Received Date: 6/2/2020 9:25:00 AM

| Analyses                             | Result | RL       | Qual Units | DF | Date Analyzed       | Batch  |
|--------------------------------------|--------|----------|------------|----|---------------------|--------|
| EPA METHOD 300.0: ANIONS             |        |          |            |    | Analyst             | CAS    |
| Chloride                             | 4000   | 150      | mg/Kg      | 50 | 6/3/2020 7:56:08 AM | 52833  |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | ANICS  |          |            |    | Analyst             | JME    |
| Diesel Range Organics (DRO)          | ND     | 9.7      | mg/Kg      | 1  | 6/2/2020 3:19:04 PM | 52815  |
| Motor Oil Range Organics (MRO)       | ND     | 49       | mg/Kg      | 1  | 6/2/2020 3:19:04 PM | 52815  |
| Surr: DNOP                           | 89.6   | 55.1-146 | %Rec       | 1  | 6/2/2020 3:19:04 PM | 52815  |
| EPA METHOD 8015D: GASOLINE RANGE     |        |          |            |    | Analyst:            | NSB    |
| Gasoline Range Organics (GRO)        | ND     | 4.4      | mg/Kg      | 1  | 6/2/2020 8:39:43 PM | G69333 |
| Surr: BFB                            | 80.2   | 66.6-105 | %Rec       | 1  | 6/2/2020 8:39:43 PM | G69333 |
| EPA METHOD 8021B: VOLATILES          |        |          |            |    | Analyst:            | NSB    |
| Benzene                              | ND     | 0.022    | mg/Kg      | 1  | 6/2/2020 8:39:43 PM | B69333 |
| Toluene                              | ND     | 0.044    | mg/Kg      | 1  | 6/2/2020 8:39:43 PM | B69333 |
| Ethylbenzene                         | ND     | 0.044    | mg/Kg      | 1  | 6/2/2020 8:39:43 PM | B69333 |
| Xylenes, Total                       | ND     | 0.088    | mg/Kg      | 1  | 6/2/2020 8:39:43 PM | B69333 |
| Surr: 4-Bromofluorobenzene           | 99.9   | 80-120   | %Rec       | 1  | 6/2/2020 8:39:43 PM | B69333 |

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

### Qualifiers:

Received by OCD: 6/22/2021 12:00:05/2M

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

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

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# Released to Imaging: 7/14/2021 9:15:04/2M

**Analytical Report** 

Lab Order 2006054

Date Reported: 6/5/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Bootes 15 Fed Com 1H

Lab ID: 2006054-017

Project:

Client Sample ID: B-5 3'

**Collection Date:** 5/29/2020 10:28:00 AM

Received Date: 6/2/2020 9:25:00 AM

| Analyses                             | Result | RL       | Qual | Units | DF | Date Analyzed       | Batch |
|--------------------------------------|--------|----------|------|-------|----|---------------------|-------|
| EPA METHOD 300.0: ANIONS             |        |          |      |       |    | Analyst             | CAS   |
| Chloride                             | 4300   | 150      |      | mg/Kg | 50 | 6/3/2020 8:08:33 AM | 52833 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | SANICS |          |      |       |    | Analyst             | JME   |
| Diesel Range Organics (DRO)          | ND     | 9.9      |      | mg/Kg | 1  | 6/2/2020 4:35:20 PM | 52815 |
| Motor Oil Range Organics (MRO)       | ND     | 49       |      | mg/Kg | 1  | 6/2/2020 4:35:20 PM | 52815 |
| Surr: DNOP                           | 89.9   | 55.1-146 |      | %Rec  | 1  | 6/2/2020 4:35:20 PM | 52815 |
| EPA METHOD 8015D: GASOLINE RANGE     |        |          |      |       |    | Analyst             | RAA   |
| Gasoline Range Organics (GRO)        | ND     | 4.6      |      | mg/Kg | 1  | 6/3/2020 8:53:06 AM | 52830 |
| Surr: BFB                            | 82.6   | 66.6-105 |      | %Rec  | 1  | 6/3/2020 8:53:06 AM | 52830 |
| EPA METHOD 8021B: VOLATILES          |        |          |      |       |    | Analyst             | RAA   |
| Benzene                              | ND     | 0.023    |      | mg/Kg | 1  | 6/3/2020 8:53:06 AM | 52830 |
| Toluene                              | ND     | 0.046    |      | mg/Kg | 1  | 6/3/2020 8:53:06 AM | 52830 |
| Ethylbenzene                         | ND     | 0.046    |      | mg/Kg | 1  | 6/3/2020 8:53:06 AM | 52830 |
| Xylenes, Total                       | ND     | 0.093    |      | mg/Kg | 1  | 6/3/2020 8:53:06 AM | 52830 |
| Surr: 4-Bromofluorobenzene           | 101    | 80-120   |      | %Rec  | 1  | 6/3/2020 8:53:06 AM | 52830 |

Matrix: SOIL

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

### Qualifiers:

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

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

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Released to Imaging: 7/14/2021: 9:15:04/2M

### **Analytical Report**

Lab Order 2006054

Date Reported: 6/5/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Project: Bootes 15 Fed Com 1H

Lab ID: 2006054-018

Client Sample ID: B-5 4'R

Collection Date: 5/29/2020 10:28:00 AM

Received Date: 6/2/2020 9:25:00 AM

| Analyses                             | Result | RL       | Qual Units | DF | Date Analyzed       | Batch |
|--------------------------------------|--------|----------|------------|----|---------------------|-------|
| EPA METHOD 300.0: ANIONS             |        |          |            |    | Analyst:            | CAS   |
| Chloride                             | 3500   | 150      | mg/Kg      | 50 | 6/3/2020 8:20:57 AM | 52833 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | BANICS |          |            |    | Analyst:            | JME   |
| Diesel Range Organics (DRO)          | ND     | 9.5      | mg/Kg      | 1  | 6/2/2020 4:59:33 PM | 52815 |
| Motor Oil Range Organics (MRO)       | ND     | 48       | mg/Kg      | 1  | 6/2/2020 4:59:33 PM | 52815 |
| Surr: DNOP                           | 95.9   | 55.1-146 | %Rec       | 1  | 6/2/2020 4:59:33 PM | 52815 |
| EPA METHOD 8015D: GASOLINE RANGE     |        |          |            |    | Analyst:            | RAA   |
| Gasoline Range Organics (GRO)        | ND     | 4.8      | mg/Kg      | 1  | 6/3/2020 9:16:43 AM | 52830 |
| Surr: BFB                            | 82.9   | 66.6-105 | %Rec       | 1  | 6/3/2020 9:16:43 AM | 52830 |
| EPA METHOD 8021B: VOLATILES          |        |          |            |    | Analyst:            | RAA   |
| Benzene                              | ND     | 0,024    | mg/Kg      | 1  | 6/3/2020 9:16:43 AM | 52830 |
| Toluene                              | ND     | 0.048    | mg/Kg      | 1  | 6/3/2020 9:16:43 AM | 52830 |
| Ethylbenzene                         | ND     | 0.048    | mg/Kg      | 1  | 6/3/2020 9:16:43 AM | 52830 |
| Xylenes, Total                       | ND     | 0.097    | mg/Kg      | 1  | 6/3/2020 9:16:43 AM | 52830 |
| Surr: 4-Bromofluorobenzene           | 103    | 80-120   | %Rec       | 1  | 6/3/2020 9:16:43 AM | 52830 |

Matrix: SOIL

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

### Qualifiers:

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

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

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Lab Order 2006054

Date Reported: 6/5/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Project: Bootes 15 Fed Com 1H

Lab ID: 2006054-019

Client Sample ID: B-6 0-1'

Collection Date: 5/29/2020 11:07:00 AM

Received Date: 6/2/2020 9:25:00 AM

| Analyses                             | Result | RL       | Qual | Units | DF | Date Analyzed       | Batch  |
|--------------------------------------|--------|----------|------|-------|----|---------------------|--------|
| EPA METHOD 300.0: ANIONS             |        | 0        | "    |       |    | Analys              | t: CAS |
| Chloride                             | 3800   | 150      |      | mg/Kg | 50 | 6/3/2020 8:33:21 AM | 52833  |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | SANICS |          |      |       |    | Analys              | t: JME |
| Diesel Range Organics (DRO)          | 2400   | 98       |      | mg/Kg | 10 | 6/2/2020 5:24:16 PM | 52815  |
| Motor Oil Range Organics (MRO)       | 1500   | 490      |      | mg/Kg | 10 | 6/2/2020 5:24:16 PM | 52815  |
| Surr: DNOP                           | 0      | 55.1-146 | S    | %Rec  | 10 | 6/2/2020 5:24:16 PM | 52815  |
| EPA METHOD 8015D: GASOLINE RANGE     |        |          |      |       |    | Analyst             | t: RAA |
| Gasoline Range Organics (GRO)        | 69     | 24       |      | mg/Kg | 5  | 6/3/2020 9:40:23 AM | 52830  |
| Surr: BFB                            | 140    | 66.6-105 | S    | %Rec  | 5  | 6/3/2020 9:40:23 AM | 52830  |
| EPA METHOD 8021B: VOLATILES          |        |          |      |       |    | Analyst             | t: RAA |
| Benzene                              | ND     | 0.12     |      | mg/Kg | 5  | 6/3/2020 9:40:23 AM | 52830  |
| Toluene                              | 0.40   | 0.24     |      | mg/Kg | 5  | 6/3/2020 9:40:23 AM | 52830  |
| Ethylbenzene                         | 2.9    | 0.24     |      | mg/Kg | 5  | 6/3/2020 9:40:23 AM | 52830  |
| Xylenes, Total                       | 14     | 0.48     |      | mg/Kg | 5  | 6/3/2020 9:40:23 AM | 52830  |
| Surr: 4-Bromofluorobenzene           | 113    | 80-120   |      | %Rec  | 5  | 6/3/2020 9:40:23 AM | 52830  |

Matrix: SOIL

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

### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
  - 8 % Recovery outside of range due to dilution or matrix

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

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Released to Imaging: 7/14/202E 9:15:04/AM

**Analytical Report** 

Lab Order 2006054

Date Reported: 6/5/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Project: Bootes 15 Fed Com 1H

Lab ID: 2006054-020

Client Sample ID: B-6 2'

Collection Date: 5/29/2020 11:07:00 AM

**Received Date:** 6/2/2020 9:25:00 AM

| Analyses                             | Result | RL (     | Qual Units | DF | Date Analyzed        | Batch |
|--------------------------------------|--------|----------|------------|----|----------------------|-------|
| EPA METHOD 300.0: ANIONS             |        |          |            |    | Analyst              | CAS   |
| Chloride                             | 970    | 60       | mg/Kg      | 20 | 6/3/2020 12:54:11 AM | 52833 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | ANICS  |          |            |    | Analyst              | JME   |
| Diesel Range Organics (DRO)          | ND     | 9.8      | mg/Kg      | 1  | 6/2/2020 5:48:27 PM  | 52815 |
| Motor Oil Range Organics (MRO)       | ND     | 49       | mg/Kg      | 1  | 6/2/2020 5:48:27 PM  | 52815 |
| Surr: DNOP                           | 91.5   | 55.1-146 | %Rec       | 1  | 6/2/2020 5:48:27 PM  | 52815 |
| EPA METHOD 8015D: GASOLINE RANGE     |        |          |            |    | Analyst              | RAA   |
| Gasoline Range Organics (GRO)        | ND     | 4.8      | mg/Kg      | 1  | 6/3/2020 10:04:02 AM | 52830 |
| Surr: BFB                            | 83.3   | 66.6-105 | %Rec       | 1  | 6/3/2020 10:04:02 AM | 52830 |
| EPA METHOD 8021B: VOLATILES          |        |          |            |    | Analyst              | RAA   |
| Benzene                              | ND     | 0.024    | mg/Kg      | 1  | 6/3/2020 10:04:02 AM | 52830 |
| Toluene                              | ND     | 0.048    | mg/Kg      | 1  | 6/3/2020 10:04:02 AM | 52830 |
| Ethylbenzene                         | ND     | 0.048    | mg/Kg      | 1  | 6/3/2020 10:04:02 AM | 52830 |
| Xylenes, Total                       | 0,20   | 0.097    | mg/Kg      | 1  | 6/3/2020 10:04:02 AM | 52830 |
| Surr: 4-Bromofluorobenzene           | 102    | 80-120   | %Rec       | 1  | 6/3/2020 10:04:02 AM | 52830 |

Matrix: SOIL

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

Qualifiers:

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

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

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Released to Imaging: 7/14/2021: 9:15:04/AM

### **Analytical Report**

Lab Order 2006054

Date Reported: 6/5/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Project: Bootes 15 Fed Com 1H

Lab ID: 2006054-021

Matrix: SOIL

Client Sample ID: B-6 3'

Collection Date: 5/29/2020 11:07:00 AM Received Date: 6/2/2020 9:25:00 AM

| Analyses                            | Result  | RL       | Qual Units | DF | Date Analyzed        | Batch |
|-------------------------------------|---------|----------|------------|----|----------------------|-------|
| EPA METHOD 300.0: ANIONS            |         |          |            |    | Analyst:             | CAS   |
| Chloride                            | 550     | 60       | mg/Kg      | 20 | 6/3/2020 2:58:17 AM  | 52834 |
| EPA METHOD 8015M/D: DIESEL RANGE OF | RGANICS |          |            |    | Analyst:             | JME   |
| Diesel Range Organics (DRO)         | ND      | 9.8      | mg/Kg      | 1  | 6/2/2020 6:12:58 PM  | 52816 |
| Motor Oil Range Organics (MRO)      | ND      | 49       | mg/Kg      | 1  | 6/2/2020 6:12:58 PM  | 52816 |
| Surr: DNOP                          | 98.3    | 55.1-146 | %Rec       | 1  | 6/2/2020 6:12:58 PM  | 52816 |
| EPA METHOD 8015D: GASOLINE RANGE    |         |          |            |    | Analyst:             | RAA   |
| Gasoline Range Organics (GRO)       | ND      | 4.9      | mg/Kg      | 1  | 6/3/2020 10:27:42 AM | 52830 |
| Surr: BFB                           | 81.8    | 66.6-105 | %Rec       | 1  | 6/3/2020 10:27:42 AM | 52830 |
| EPA METHOD 8021B: VOLATILES         |         |          |            |    | Analyst:             | RAA   |
| Benzene                             | ND      | 0.025    | mg/Kg      | 1  | 6/3/2020 10:27:42 AM | 52830 |
| Toluene                             | ND      | 0.049    | mg/Kg      | 1  | 6/3/2020 10:27:42 AM | 52830 |
| Ethylbenzene                        | ND      | 0.049    | mg/Kg      | 1  | 6/3/2020 10:27:42 AM | 52830 |
| Xylenes, Total                      | 0.14    | 0.099    | mg/Kg      | 1  | 6/3/2020 10:27:42 AM | 52830 |
| Surr: 4-Bromofluorobenzene          | 101     | 80-120   | %Rec       | 1  | 6/3/2020 10:27:42 AM | 52830 |

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

### Qualifiers:

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

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

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Released to Imaging: 7/14/202E 9:15:04/AM

### **Analytical Report**

Lab Order 2006054

Client Sample ID: B-6 4'R

Date Reported: 6/5/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Project: Bootes 15 Fed Com 1H Collection Date: 5/29/2020 11:07:00 AM

Lab ID: 2006054-022 Matrix: SOIL Received Date: 6/2/2020 9:25:00 AM

| Analyses                             | Result | RL       | Qual Units | DF | Date Analyzed        | Batch |
|--------------------------------------|--------|----------|------------|----|----------------------|-------|
| EPA METHOD 300.0: ANIONS             |        |          |            |    | Analyst:             | CAS   |
| Chloride                             | 360    | 60       | mg/Kg      | 20 | 6/3/2020 3:10:41 AM  | 52834 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | ANICS  |          |            |    | Analyst:             | JME   |
| Diesel Range Organics (DRO)          | ND     | 9.9      | mg/Kg      | 1  | 6/2/2020 7:26:14 PM  | 52816 |
| Motor Oil Range Organics (MRO)       | ND     | 49       | mg/Kg      | 1  | 6/2/2020 7:26:14 PM  | 52816 |
| Surr: DNOP                           | 95.9   | 55.1-146 | %Rec       | 1  | 6/2/2020 7:26:14 PM  | 52816 |
| EPA METHOD 8015D: GASOLINE RANGE     |        |          |            |    | Analyst:             | RAA   |
| Gasoline Range Organics (GRO)        | ND     | 4.9      | mg/Kg      | 1  | 6/3/2020 10:51:22 AM | 52830 |
| Surr: BFB                            | 82.1   | 66.6-105 | %Rec       | 1  | 6/3/2020 10:51:22 AM | 52830 |
| EPA METHOD 8021B: VOLATILES          |        |          |            |    | Analyst:             | RAA   |
| Benzene                              | ND     | 0.024    | mg/Kg      | 1  | 6/3/2020 10:51:22 AM | 52830 |
| Toluene                              | ND     | 0.049    | mg/Kg      | 1  | 6/3/2020 10:51:22 AM | 52830 |
| Ethylbenzene                         | ND     | 0.049    | mg/Kg      | 1  | 6/3/2020 10:51:22 AM | 52830 |
| Xylenes, Total                       | ND     | 0.097    | mg/Kg      | 1  | 6/3/2020 10:51:22 AM | 52830 |
| Surr: 4-Bromofluorobenzene           | 101    | 80-120   | %Rec       | 1  | 6/3/2020 10:51:22 AM | 52830 |

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

### Qualifiers:

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

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

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Released to Imaging: 7/14/2021: 9:15:04/AM

### **Analytical Report**

Lab Order 2006054

Date Reported: 6/5/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Project: Bootes 15 Fed Com 1H

Lab ID: 2006054-023

Client Sample ID: B-7 0-1'

Collection Date: 5/29/2020 11:27:00 AM

Received Date: 6/2/2020 9:25:00 AM

| Analyses                            | Result  | RL       | Qual Units | DF | Date Analyzed        | Batch |
|-------------------------------------|---------|----------|------------|----|----------------------|-------|
| EPA METHOD 300.0: ANIONS            |         |          |            |    | Analyst:             | CAS   |
| Chloride                            | 390     | 60       | mg/Kg      | 20 | 6/3/2020 3:23:06 AM  | 52834 |
| EPA METHOD 8015M/D: DIESEL RANGE OF | RGANICS |          |            |    | Analyst:             | JME   |
| Diesel Range Organics (DRO)         | ND      | 9.7      | mg/Kg      | 1  | 6/2/2020 7:50:46 PM  | 52816 |
| Motor Oil Range Organics (MRO)      | ND      | 49       | mg/Kg      | 1  | 6/2/2020 7:50:46 PM  | 52816 |
| Surr: DNOP                          | 91.5    | 55.1-146 | %Rec       | 1  | 6/2/2020 7:50:46 PM  | 52816 |
| EPA METHOD 8015D: GASOLINE RANGE    |         |          |            |    | Analyst:             | RAA   |
| Gasoline Range Organics (GRO)       | ND      | 4.8      | mg/Kg      | 1  | 6/3/2020 11:15:00 AM | 52830 |
| Surr: BFB                           | 82,4    | 66.6-105 | %Rec       | 1  | 6/3/2020 11:15:00 AM | 52830 |
| EPA METHOD 8021B: VOLATILES         |         |          |            |    | Analyst:             | RAA   |
| Benzene                             | ND      | 0.024    | mg/Kg      | 1  | 6/3/2020 11:15:00 AM | 52830 |
| Toluene                             | ND      | 0.048    | mg/Kg      | 1  | 6/3/2020 11:15:00 AM | 52830 |
| Ethylbenzene                        | ND      | 0.048    | mg/Kg      | 1  | 6/3/2020 11:15:00 AM | 52830 |
| Xylenes, Total                      | ND      | 0.096    | mg/Kg      | 1  | 6/3/2020 11:15:00 AM | 52830 |
| Surr: 4-Bromofluorobenzene          | 101     | 80-120   | %Rec       | 1  | 6/3/2020 11:15:00 AM | 52830 |

Matrix: SOIL

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

### Qualifiers:

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

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

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Lab Order 2006054

Date Reported: 6/5/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Bootes 15 Fed Com 1H

Lab ID: 2006054-024

Project:

Client Sample ID: B-7 2'

Collection Date: 5/29/2020 11:27:00 AM

Received Date: 6/2/2020 9:25:00 AM

| Analyses                             | Result | RL       | Qual U | Units | DF | Date Analyzed        | Batch |
|--------------------------------------|--------|----------|--------|-------|----|----------------------|-------|
| EPA METHOD 300.0: ANIONS             |        |          |        |       |    | Analyst:             | CAS   |
| Chloride                             | 230    | 60       | г      | mg/Kg | 20 | 6/3/2020 3:35:31 AM  | 52834 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | SANICS |          |        |       |    | Analyst:             | JME   |
| Diesel Range Organics (DRO)          | ND     | 9.8      | r      | ng/Kg | 1  | 6/2/2020 8:15:10 PM  | 52816 |
| Motor Oil Range Organics (MRO)       | ND     | 49       | г      | ng/Kg | 1  | 6/2/2020 8:15:10 PM  | 52816 |
| Surr: DNOP                           | 101    | 55.1-146 | 9      | %Rec  | 1  | 6/2/2020 8:15:10 PM  | 52816 |
| EPA METHOD 8015D: GASOLINE RANGE     |        |          |        |       |    | Analyst:             | RAA   |
| Gasoline Range Organics (GRO)        | ND     | 4.9      | n      | ng/Kg | 1  | 6/3/2020 11:38:46 AM | 52830 |
| Surr: BFB                            | 85.9   | 66.6-105 | 9      | %Rec  | 1  | 6/3/2020 11:38:46 AM | 52830 |
| EPA METHOD 8021B: VOLATILES          |        |          |        |       |    | Analyst:             | RAA   |
| Benzene                              | ND     | 0.024    | n      | ng/Kg | 1  | 6/3/2020 11:38:46 AM | 52830 |
| Toluene                              | ND     | 0.049    | n      | ng/Kg | 1  | 6/3/2020 11:38:46 AM | 52830 |
| Ethylbenzene                         | ND     | 0.049    | n      | ng/Kg | 1  | 6/3/2020 11:38:46 AM | 52830 |
| Xylenes, Total                       | ND     | 0.097    | n      | ng/Kg | 1  | 6/3/2020 11:38:46 AM | 52830 |
| Surr: 4-Bromofluorobenzene           | 105    | 80-120   | 9      | %Rec  | 1  | 6/3/2020 11:38:46 AM | 52830 |

Matrix: SOIL

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

### Qualifiers:

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

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

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Lab Order 2006054

Date Reported: 6/5/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Project: Bootes 15 Fed Com 1H

Lab ID: 2006054-025

Matrix: SOIL

Client Sample ID: B-7 3'R

Collection Date: 5/29/2020 11:27:00 AM

Received Date: 6/2/2020 9:25:00 AM

| Analyses                            | Result | RL       | Qual Units | DF | Date Analyzed        | Batch |
|-------------------------------------|--------|----------|------------|----|----------------------|-------|
| EPA METHOD 300.0: ANIONS            |        |          |            |    | Analyst              | CAS   |
| Chloride                            | 990    | 60       | mg/Kg      | 20 | 6/3/2020 3:47:55 AM  | 52834 |
| EPA METHOD 8015M/D: DIESEL RANGE OR | GANICS |          |            |    | Analyst:             | JME   |
| Diesel Range Organics (DRO)         | 13     | 9.9      | mg/Kg      | 1  | 6/2/2020 8:39:38 PM  | 52816 |
| Motor Oil Range Organics (MRO)      | ND     | 50       | mg/Kg      | 1  | 6/2/2020 8:39:38 PM  | 52816 |
| Surr: DNOP                          | 91.5   | 55.1-146 | %Rec       | 1  | 6/2/2020 8:39:38 PM  | 52816 |
| EPA METHOD 8015D: GASOLINE RANGE    |        |          |            |    | Analyst:             | RAA   |
| Gasoline Range Organics (GRO)       | ND     | 4.9      | mg/Kg      | 1  | 6/3/2020 12:02:20 PM | 52830 |
| Surr: BFB                           | 83.7   | 66.6-105 | %Rec       | 1  | 6/3/2020 12:02:20 PM | 52830 |
| EPA METHOD 8021B: VOLATILES         | 1      |          |            |    | Analyst:             | RAA   |
| Benzene                             | ND     | 0.024    | mg/Kg      | 1  | 6/3/2020 12:02:20 PM | 52830 |
| Toluene                             | ND     | 0.049    | mg/Kg      | 1  | 6/3/2020 12:02:20 PM | 52830 |
| Ethylbenzene                        | ND     | 0.049    | mg/Kg      | 1  | 6/3/2020 12:02:20 PM | 52830 |
| Xylenes, Total                      | ND     | 0.097    | mg/Kg      | 1  | 6/3/2020 12:02:20 PM | 52830 |
| Surr: 4-Bromofluorobenzene          | 103    | 80-120   | %Rec       | 1  | 6/3/2020 12:02:20 PM | 52830 |

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

### Qualifiers:

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

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

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# Received by OCD: 6/22/2021 12:00:05/2M

## **Analytical Report**

Lab Order 2006054

Date Reported: 6/5/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Project: Bootes 15 Fed Com 1H

Lab ID: 2006054-026

Client Sample ID: B-8 0-1

Collection Date: 5/29/2020 12:37:00 PM

Received Date: 6/2/2020 9:25:00 AM

| Analyses                             | Result | RL       | Qual | Units | DF | Date Analyzed        | Batch |
|--------------------------------------|--------|----------|------|-------|----|----------------------|-------|
| EPA METHOD 300.0: ANIONS             |        |          |      |       |    | Analyst              | CAS   |
| Chloride                             | 3100   | 150      |      | mg/Kg | 50 | 6/3/2020 8:45:46 AM  | 52834 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | ANICS  |          |      |       |    | Analyst              | JME   |
| Diesel Range Organics (DRO)          | 3900   | 97       |      | mg/Kg | 10 | 6/2/2020 9:03:51 PM  | 52816 |
| Motor Oil Range Organics (MRO)       | 2100   | 480      |      | mg/Kg | 10 | 6/2/2020 9:03:51 PM  | 52816 |
| Surr: DNOP                           | 0      | 55.1-146 | S    | %Rec  | 10 | 6/2/2020 9:03:51 PM  | 52816 |
| EPA METHOD 8015D: GASOLINE RANGE     |        |          |      |       |    | Analyst              | RAA   |
| Gasoline Range Organics (GRO)        | 340    | 23       |      | mg/Kg | 5  | 6/3/2020 12:49:12 PM | 52830 |
| Surr: BFB                            | 343    | 66.6-105 | S    | %Rec  | 5  | 6/3/2020 12:49:12 PM | 52830 |
| EPA METHOD 8021B: VOLATILES          |        |          |      |       |    | Analyst:             | RAA   |
| Benzene                              | 0.14   | 0.12     |      | mg/Kg | 5  | 6/3/2020 12:49:12 PM | 52830 |
| Toluene                              | 4.3    | 0.23     |      | mg/Kg | 5  | 6/3/2020 12:49:12 PM | 52830 |
| Ethylbenzene                         | 17     | 0.23     |      | mg/Kg | 5  | 6/3/2020 12:49:12 PM | 52830 |
| Xylenes, Total                       | 71     | 4.6      |      | mg/Kg | 50 | 6/3/2020 10:14:12 PM | 52830 |
| Surr: 4-Bromofluorobenzene           | 157    | 80-120   | s    | %Rec  | 5  | 6/3/2020 12:49:12 PM | 52830 |

Matrix: SOIL

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

### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- 8 % Recovery outside of range due to dilution or matrix

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

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Lab Order 2006054

Date Reported: 6/5/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Bootes 15 Fed Com 1H

Lab ID: 2006054-027

Project:

15 Fed Com 1H

Matrix: SOIL

Client Sample ID: B-8 2'

Collection Date: 5/29/2020 12:37:00 PM Received Date: 6/2/2020 9:25:00 AM

| Analyses                            | Result | RL       | Qual | Units | DF | Date Analyzed       | Batch |
|-------------------------------------|--------|----------|------|-------|----|---------------------|-------|
| EPA METHOD 300.0: ANIONS            |        |          |      |       |    | Analyst             | CAS   |
| Chloride                            | 98     | 60       |      | mg/Kg | 20 | 6/3/2020 4:37:33 AM | 52834 |
| EPA METHOD 8015M/D: DIESEL RANGE OR | GANICS |          |      |       |    | Analyst:            | JME   |
| Diesel Range Organics (DRO)         | ND     | 9.9      |      | mg/Kg | 1  | 6/2/2020 9:28:17 PM | 52816 |
| Motor Oil Range Organics (MRO)      | ND     | 49       |      | mg/Kg | 1  | 6/2/2020 9:28:17 PM | 52816 |
| Surr: DNOP                          | 76.4   | 55.1-146 |      | %Rec  | 1  | 6/2/2020 9:28:17 PM | 52816 |
| EPA METHOD 8015D: GASOLINE RANGE    |        |          |      |       |    | Analyst:            | RAA   |
| Gasoline Range Organics (GRO)       | 5.1    | 4.9      |      | mg/Kg | 1  | 6/3/2020 1:12:46 PM | 52830 |
| Surr: BFB                           | 97.2   | 66.6-105 |      | %Rec  | 1  | 6/3/2020 1:12:46 PM | 52830 |
| EPA METHOD 8021B: VOLATILES         |        |          |      |       |    | Analyst:            | RAA   |
| Benzene                             | 0.032  | 0.024    |      | mg/Kg | 1  | 6/3/2020 1:12:46 PM | 52830 |
| Toluene                             | 0.10   | 0.049    |      | mg/Kg | 1  | 6/3/2020 1:12:46 PM | 52830 |
| Ethylbenzene                        | 0.26   | 0.049    |      | mg/Kg | 1  | 6/3/2020 1:12:46 PM | 52830 |
| Xylenes, Total                      | 1.4    | 0.098    |      | mg/Kg | 1  | 6/3/2020 1:12:46 PM | 52830 |
| Surr: 4-Bromofluorobenzene          | 110    | 80-120   |      | %Rec  | 1  | 6/3/2020 1:12:46 PM | 52830 |

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

### Qualifiers:

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

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

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Released to Imaging: 7/14/2021 9:15:04/2M

### **Analytical Report**

Lab Order 2006054

Date Reported: 6/5/2020

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Talon Artesia

Bootes 15 Fed Com 1H

Lab ID: 2006054-028

Project:

Client Sample ID: B-8 3'

Collection Date: 5/29/2020 12:37:00 PM

Received Date: 6/2/2020 9:25:00 AM

| Analyses                             | Result | RL       | Qual Units | DF | Date Analyzed       | Bateh  |
|--------------------------------------|--------|----------|------------|----|---------------------|--------|
| EPA METHOD 300.0: ANIONS             |        |          |            |    | Analys              | t: CAS |
| Chloride                             | 170    | 60       | mg/Kg      | 20 | 6/3/2020 4:49:58 AM | 52834  |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | SANICS |          |            |    | Analys              | t: JME |
| Diesel Range Organics (DRO)          | 60     | 10       | mg/Kg      | 1  | 6/2/2020 9:52:37 PM | 52816  |
| Motor Oil Range Organics (MRO)       | ND     | 50       | mg/Kg      | 1  | 6/2/2020 9:52:37 PM | 52816  |
| Surr: DNOP                           | 82.6   | 55.1-146 | %Rec       | 1  | 6/2/2020 9:52:37 PM | 52816  |
| EPA METHOD 8015D: GASOLINE RANGE     |        |          |            |    | Analys              | t: RAA |
| Gasoline Range Organics (GRO)        | 5.7    | 4.8      | mg/Kg      | 1  | 6/3/2020 1:36:28 PM | 52830  |
| Surr: BFB                            | 95.2   | 66.6-105 | %Rec       | 1  | 6/3/2020 1:36:28 PM | 52830  |
| EPA METHOD 8021B: VOLATILES          |        |          |            |    | Analys              | t: RAA |
| Benzene                              | 0.045  | 0.024    | mg/Kg      | 1  | 6/3/2020 1:36:28 PM | 52830  |
| Toluene                              | 0.13   | 0.048    | mg/Kg      | 1  | 6/3/2020 1:36:28 PM | 52830  |
| Ethylbenzene                         | 0.29   | 0.048    | mg/Kg      | 1  | 6/3/2020 1:36:28 PM | 52830  |
| Xylenes, Total                       | 1.4    | 0.097    | mg/Kg      | 1  | 6/3/2020 1:36:28 PM | 52830  |
| Surr: 4-Bromofluorobenzene           | 106    | 80-120   | %Rec       | 1  | 6/3/2020 1:36:28 PM | 52830  |

Matrix: SOIL

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

### Qualifiers:

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

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

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Lab Order 2006054

Date Reported: 6/5/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Project: Bootes 15 Fed Com 1H

Lab ID: 2006054-029

Client Sample ID: B-8 4'R

Collection Date: 5/29/2020 12:37:00 PM

Received Date: 6/2/2020 9:25:00 AM

| Analyses                             | Result | RL       | Qual Units | DF | Date Analyzed        | Batch |
|--------------------------------------|--------|----------|------------|----|----------------------|-------|
| EPA METHOD 300.0: ANIONS             |        |          |            |    | Analyst:             | CAS   |
| Chloride                             | 72     | 60       | mg/Kg      | 20 | 6/3/2020 5:02:23 AM  | 52834 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | ANICS  |          |            |    | Analyst:             | JME   |
| Diesel Range Organics (DRO)          | 71     | 9.7      | mg/Kg      | 1  | 6/2/2020 10:17:04 PM | 52816 |
| Motor Oil Range Organics (MRO)       | 50     | 48       | mg/Kg      | 1  | 6/2/2020 10:17:04 PM | 52816 |
| Surr: DNOP                           | 83.5   | 55.1-146 | %Rec       | 1  | 6/2/2020 10:17:04 PM | 52816 |
| EPA METHOD 8015D: GASOLINE RANGE     |        |          |            |    | Analyst:             | RAA   |
| Gasoline Range Organics (GRO)        | ND     | 4.9      | mg/Kg      | 1  | 6/3/2020 2:00:02 PM  | 52830 |
| Surr: BFB                            | 88.0   | 66.6-105 | %Rec       | 1  | 6/3/2020 2:00:02 PM  | 52830 |
| EPA METHOD 8021B: VOLATILES          |        |          |            |    | Analyst:             | RAA   |
| Benzene                              | ND     | 0.025    | mg/Kg      | 1  | 6/3/2020 2:00:02 PM  | 52830 |
| Toluene                              | ND     | 0.049    | mg/Kg      | 1  | 6/3/2020 2:00:02 PM  | 52830 |
| Ethylbenzene                         | 0.058  | 0.049    | mg/Kg      | 1  | 6/3/2020 2:00:02 PM  | 52830 |
| Xylenes, Total                       | 0.31   | 0.099    | mg/Kg      | 1  | 6/3/2020 2:00:02 PM  | 52830 |
| Surr: 4-Bromofluorobenzene           | 103    | 80-120   | %Rec       | 1  | 6/3/2020 2:00:02 PM  | 52830 |

Matrix: SOIL

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

### Qualifiers:

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

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

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Released to Imaging: 7/14/202E 9:15:04/AM

### **Analytical Report**

Lab Order 2006054

Date Reported: 6/5/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Project: Bootes 15 Fed Com 1H

Lab ID: 2006054-030

Client Sample ID: B-9 0-1'

**Collection Date:** 5/29/2020 1:00:00 PM

Received Date: 6/2/2020 9:25:00 AM

| Analyses                             | Result | RL       | Qual | Units | DF | Date Analyzed        | Batch |
|--------------------------------------|--------|----------|------|-------|----|----------------------|-------|
| EPA METHOD 300.0: ANIONS             |        | 3.000    |      |       |    | Analyst              | CAS   |
| Chloride                             | 4100   | 150      |      | mg/Kg | 50 | 6/3/2020 8:58:11 AM  | 52834 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | ANICS  |          |      |       |    | Analyst:             | JME   |
| Diesel Range Organics (DRO)          | 1400   | 97       |      | mg/Kg | 10 | 6/2/2020 10:41:26 PM | 52816 |
| Motor Oil Range Organics (MRO)       | 760    | 490      |      | mg/Kg | 10 | 6/2/2020 10:41:26 PM | 52816 |
| Surr: DNOP                           | 0      | 55.1-146 | S    | %Rec  | 10 | 6/2/2020 10:41:26 PM | 52816 |
| EPA METHOD 8015D: GASOLINE RANGE     |        |          |      |       |    | Analyst:             | RAA   |
| Gasoline Range Organics (GRO)        | 29     | 4.7      |      | mg/Kg | 1  | 6/3/2020 2:23:34 PM  | 52830 |
| Surr: BFB                            | 249    | 66.6-105 | S    | %Rec  | 1  | 6/3/2020 2:23:34 PM  | 52830 |
| EPA METHOD 8021B: VOLATILES          |        |          |      |       |    | Analyst:             | RAA   |
| Benzene                              | 0.027  | 0.024    |      | mg/Kg | 1  | 6/3/2020 2:23:34 PM  | 52830 |
| Toluene                              | 0.23   | 0.047    |      | mg/Kg | 1  | 6/3/2020 2:23:34 PM  | 52830 |
| Ethylbenzene                         | 0.98   | 0.047    |      | mg/Kg | 1  | 6/3/2020 2:23:34 PM  | 52830 |
| Xylenes, Total                       | 5.1    | 0.095    |      | mg/Kg | 1  | 6/3/2020 2:23:34 PM  | 52830 |
| Surr: 4-Bromofluorobenzene           | 130    | 80-120   | s    | %Rec  | 1  | 6/3/2020 2:23:34 PM  | 52830 |

Matrix: SOIL

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

### Qualifiers:

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

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

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Lab Order 2006054

Date Reported: 6/5/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Bootes 15 Fed Com 1H Project:

Lab ID: 2006054-031 Client Sample ID: B-9 2'

Collection Date: 5/29/2020 1:00:00 PM

Received Date: 6/2/2020 9:25:00 AM

| Analyses                             | Result | RL       | Qual | Units | DF | Date Analyzed        | Batch |
|--------------------------------------|--------|----------|------|-------|----|----------------------|-------|
| EPA METHOD 300.0: ANIONS             |        |          |      |       |    | Analyst:             | CAS   |
| Chloride                             | 3100   | 150      |      | mg/Kg | 50 | 6/3/2020 7:55:00 AM  | 52834 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | BANICS |          |      |       |    | Analyst:             | JME   |
| Diesel Range Organics (DRO)          | 180    | 10       |      | mg/Kg | 1  | 6/2/2020 11:05:52 PM | 52816 |
| Motor Oil Range Organics (MRO)       | 99     | 50       |      | mg/Kg | 1  | 6/2/2020 11:05:52 PM | 52816 |
| Surr: DNOP                           | 95.0   | 55.1-146 |      | %Rec  | 1  | 6/2/2020 11:05:52 PM | 52816 |
| EPA METHOD 8015D: GASOLINE RANGE     |        |          |      |       |    | Analyst:             | RAA   |
| Gasoline Range Organics (GRO)        | 6.8    | 4.9      |      | mg/Kg | 1  | 6/3/2020 2:47:08 PM  | 52830 |
| Surr: BFB                            | 135    | 66.6-105 | S    | %Rec  | 1  | 6/3/2020 2:47:08 PM  | 52830 |
| EPA METHOD 8021B: VOLATILES          |        |          |      |       |    | Analyst:             | RAA   |
| Benzene                              | 0.027  | 0.024    |      | mg/Kg | 1  | 6/3/2020 2:47:08 PM  | 52830 |
| Toluene                              | 0.097  | 0.049    |      | mg/Kg | 1  | 6/3/2020 2:47:08 PM  | 52830 |
| Ethylbenzene                         | 0.27   | 0.049    |      | mg/Kg | 1  | 6/3/2020 2:47:08 PM  | 52830 |
| Xylenes, Total                       | 1.3    | 0,097    |      | mg/Kg | 1  | 6/3/2020 2:47:08 PM  | 52830 |
| Surr: 4-Bromofluorobenzene           | 116    | 80-120   |      | %Rec  | 1  | 6/3/2020 2:47:08 PM  | 52830 |

Matrix: SOIL

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

Qualifiers:

Received by OCD: 6/22/2021 12:00:05/2M

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

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

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Released to Imaging: 7/14/2021 92:15:04/2M

### **Analytical Report**

Lab Order 2006054

Date Reported: 6/5/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Project: Bootes 15 Fed Com 1H

**Lab ID:** 2006054-032

Client Sample ID: B-9 3'

Collection Date: 5/29/2020 1:00:00 PM

Received Date: 6/2/2020 9:25:00 AM

| Analyses                             | Result | RL       | Qual Units | DF | Date Analyzed        | Batch |
|--------------------------------------|--------|----------|------------|----|----------------------|-------|
| EPA METHOD 300.0: ANIONS             |        |          |            |    | Analyst:             | CAS   |
| Chloride                             | 1400   | 60       | mg/Kg      | 20 | 6/3/2020 5:39:37 AM  | 52834 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | GANICS |          |            |    | Analyst:             | JME   |
| Diesel Range Organics (DRO)          | 58     | 9.8      | mg/Kg      | 1  | 6/2/2020 11:30:12 PM | 52816 |
| Motor Oil Range Organics (MRO)       | ND     | 49       | mg/Kg      | 1  | 6/2/2020 11:30:12 PM | 52816 |
| Surr: DNOP                           | 77.3   | 55.1-146 | %Rec       | 1  | 6/2/2020 11:30:12 PM | 52816 |
| EPA METHOD 8015D: GASOLINE RANGE     |        |          |            |    | Analyst:             | RAA   |
| Gasoline Range Organics (GRO)        | ND     | 4.9      | mg/Kg      | 1  | 6/3/2020 3:10:35 PM  | 52830 |
| Surr: BFB                            | 98.0   | 66.6-105 | %Rec       | 1  | 6/3/2020 3:10:35 PM  | 52830 |
| EPA METHOD 8021B: VOLATILES          |        |          |            |    | Analyst:             | RAA   |
| Benzene                              | 0.029  | 0.024    | mg/Kg      | 1  | 6/3/2020 3:10:35 PM  | 52830 |
| Toluene                              | 0.077  | 0.049    | mg/Kg      | 1  | 6/3/2020 3:10:35 PM  | 52830 |
| Ethylbenzene                         | 0.18   | 0.049    | mg/Kg      | 1  | 6/3/2020 3:10:35 PM  | 52830 |
| Xylenes, Total                       | 0.87   | 0.097    | mg/Kg      | 1  | 6/3/2020 3:10:35 PM  | 52830 |
| Surr: 4-Bromofluorobenzene           | 107    | 80-120   | %Rec       | 1  | 6/3/2020 3:10:35 PM  | 52830 |

Matrix: SOIL

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

### Qualifiers:

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

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

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# Received by OCD: 6/22/2021 12:00:05/2M

# **QC SUMMARY REPORT**

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2006054

05-Jun-20

Client:

Talon Artesia

Project:

Bootes 15 Fed Com 1H

Sample ID: MB-52833

SampType: mblk

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Batch ID: 52833

1.5

RunNo: 69353

LowLimit

TestCode: EPA Method 300.0: Anions

Units: mg/Kg

Prep Date: 6/2/2020

Analysis Date: 6/2/2020 Result

ND

SPK value SPK Ref Val %REC LowLimit

SPK value SPK Ref Val

SeqNo: 2405269

HighLimit

%RPD **RPDLimit** 

Qual

Analyte Chloride

Sample ID: LCS-52833 SampType: Ics Batch ID: 52833 TestCode: EPA Method 300.0: Anions

RunNo: 69353

Analyte

Prep Date: 6/2/2020

Analysis Date: 6/2/2020

SeqNo: 2405270

Units: mg/Kg

%RPD

Qual

Chloride

Result

15.00

%REC

HighLimit 110 **RPDLimit** 

Sample ID: MB-52834 Client ID: PBS

Client ID: LCSS Prep Date: 6/2/2020

Prep Date: 6/2/2020

Client ID: LCSS

SampType: mblk

Batch ID: 52834

**PQL** 

RunNo: 69353

Units: mg/Kg

Analyte

Result ND

Analysis Date: 6/3/2020 PQL

1.5

SeqNo: 2405299 SPK value SPK Ref Val %REC LowLimit

HighLimit

%RPD **RPDLimit** 

Qual

Chloride

Sample ID: LCS-52834

SampType: Ics

Analysis Date: 6/3/2020

Batch ID: 52834

TestCode: EPA Method 300.0: Anions

RunNo: 69353 SeqNo: 2405300

Units: mg/Kg

Qual

Analyte Chloride

14

SPK value SPK Ref Val

%REC LowLimit 0

93.6

%RPD

**RPDLimit** 

PQL 1.5

15.00

HighLimit 110

# Qualifiers:

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

Holding times for preparation or analysis exceeded

- Analyte detected in the associated Method Blank
- Analyte detected below quantitation limits

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Value above quantitation range

Sample pH Not In Range

Reporting Limit

# Received by OCD: 6/22/2021 12:00:05/2M

# **QC SUMMARY REPORT**

# Hall Environmental Analysis Laboratory, Inc.

WO#:

2006054

05-Jun-20

Client:

Talon Artesia

| Project: Bootes 1              | 5 Fed Com  | 1H                |             |   |              |                   |              |            |            |      |
|--------------------------------|------------|-------------------|-------------|---|--------------|-------------------|--------------|------------|------------|------|
| Sample ID: MB-52816            | Samp1      | ype: ME           | BLK         | Tes   | tCode: E     | PA Method         | 8015M/D: Die | esel Rang  | e Organics |      |
| Client ID: PBS                 | Batcl      | 1 ID: <b>52</b>   | 816         | F   | RunNo: 6     | 9321              |              |            |            |      |
| Prep Date: 6/2/2020            | Analysis D | )ate: <b>6</b> /  | 2/2020      | ę   | SeqNo: 2     | 403981            | Units: mg/Kg |            |            |      |
| Analyte                        | Result     | PQL               | SPK value   | SPK Ref Val   | %REC         | LowLimit          | HighLimit    | %RPD       | RPDLimit   | Qual |
| Diesel Range Organics (DRO)    | ND         | 10                | Of It Value | OF ICITOR FOR                                       | 701120       |                   |              |            |            |      |
| Motor Oil Range Organics (MRO) | ND         | 50                |             |   |              |                   |              |            |            |      |
| Surr: DNOP                     | 10         |                   | 10.00       |   | 104          | 55.1              | 146          |            |            |      |
| Sample ID: LCS-52816           | SampT      | ype: LC           | S           | TestCode: EPA Method 8015M/D: Diesel Range Organics |              |                   |              |            |            |      |
| Client ID: LCSS                | Batch      | n ID: <b>52</b> 8 | 816         | F   | RunNo: 6     | 9321              |              |            |            |      |
| Prep Date: 6/2/2020            | Analysis D | ate: <b>6/</b>    | 2/2020      | 5   | SeqNo: 2     | 403982            | Units: mg/K  | (g         |            |      |
| Analyte                        | Result     | PQL               | SPK value   | SPK Ref Val   | %REC         | LowLimit          | HighLimit    | %RPD       | RPDLimit   | Qual |
| Diesel Range Organics (DRO)    | 47         | 10                | 50.00       | 0   | 94.9         | 70                | 130          |            |            |      |
| Surr: DNOP                     | 4.7        |                   | 5.000       |   | 93.6         | 55.1              | 146          |            |            |      |
| Sample ID: MB-52815            | SampT      | уре: <b>МЕ</b>    | BLK         | Tes   | tCode: El    | PA Method         | 8015M/D: Die | esel Rang  | e Organics |      |
| Client ID: PBS                 | Batch      | n ID: <b>52</b> 8 | 315         | RunNo: 69320  |              |                   |              |            |            |      |
| Prep Date: 6/2/2020            | Analysis D | ate: <b>6</b> /2  | 2/2020      | 5   | GeqNo: 2     | 404032            | Units: mg/K  | g          |            |      |
| Analyte                        | Result     | PQL               | SPK value   | SPK Ref Val   | %REC         | LowLimit          | HighLimit    | %RPD       | RPDLimit   | Qual |
| Diesel Range Organics (DRO)    | ND         | 10                |             |   |              |                   |              |            |            |      |
| Motor Oil Range Organics (MRO) | ND         | 50                |             |   |              |                   |              |            |            |      |
| Surr: DNOP                     | 9.5        |                   | 10.00       |   | 94.5         | 55.1              | 146          |            |            |      |
| Sample ID: LCS-52815           | SampT      | ype: LC           | S           | Tes   | tCode: El    | PA Method         | 8015M/D: Die | esel Range | e Organics |      |
| Client ID: LCSS                | Batch      | ID: <b>52</b> 8   | 315         | F   | RunNo: 6     | 9320              |              |            |            |      |
| Prep Date: 6/2/2020            | Analysis D | ate: 6/2          | 2/2020      | 9   | SeqNo: 24    | 404033            | Units: mg/K  | g          |            |      |
| Analyte                        | Result     | PQL               | SPK value   | SPK Ref Val   | %REC         | Low <b>L</b> imit | HighLimit    | %RPD       | RPDLimit   | Qual |
| Diesel Range Organics (DRO)    | 44         | 10                | 50.00       | 0   | 87.6         | 70                | 130          |            |            |      |
| Surr: DNOP                     | 4.1        |                   | 5.000       |   | 82.4         | 55.1              | 146          |            |            |      |
| Sample ID: 2006054-021AMS      | SampT      | ype: MS           | i           | TestCode: EPA Method 8015M/D: Diesel Range Organics |              |                   |              |            |            |      |
| Client ID: B-6 3'              | Batch      | Batch ID: 52816   |             |   | RunNo: 69321 |                   |              |            |            |      |
| Prep Date: 6/2/2020            | Analysis D | ate: 6/2          | 2/2020      | S   | SeqNo: 24    | 404572            | Units: mg/K  | g          |            |      |

### Qualifiers:

Analyte

Sun: DNOP

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Not Detected at the Reporting Limit
- Practical Quanitative Limit

Diesel Range Organics (DRO)

% Recovery outside of range due to dilution or matrix

**PQL** 

10

Result

48

4.5

- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits

%REC

90.2

91.3

LowLimit

47.4

55.1

- Sample pH Not In Range
- Reporting Limit

SPK value SPK Ref Val

49.75

4.975

3.525

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%RPD

HighLimit

136

146

**RPDLimit** 

Qual

Released to Imaging: 7/14/202B 9:15:04 AM

# QC SUMMARY REPORT

# Hall Environmental Analysis Laboratory, Inc.

WO#. 2006054

05-Jun-20

Client:

Talon Artesia

Project:

Bootes 15 Fed Com 1H

| Sample ID: 2006054-021AMSI  | SampT                   | ype: <b>M</b> S | SD        | TestCode: EPA Method 8015M/D: Diesel Range Organics |          |          |                |      |          |              |  |  |  |
|-----------------------------|-------------------------|-----------------|-----------|---|----------|----------|----------------|------|----------|--------------|--|--|--|
| Client ID: B-6 3'           | Batch                   | n ID: <b>52</b> | 816       | F   | RunNo: 6 | 9321     |                |      |          |              |  |  |  |
| Prep Date: 6/2/2020         | Analysis Date: 6/2/2020 |                 |           | Analysis Date: 6/2/2020                             |          |          | SeqNo: 2404573 |      |          | Units: mg/Kg |  |  |  |
| Analyte                     | Result                  | PQL             | SPK value | SPK Ref Val   | %REC     | LowLimit | HighLimit      | %RPD | RPDLimit | Qual         |  |  |  |
| Diesel Range Organics (DRO) | 49                      | 9.8             | 49.02     | 3.5 <b>2</b> 5                                      | 93.6     | 47.4     | 136            | 2.04 | 43.4     |              |  |  |  |
| Surr: DNOP                  | 4.7                     |                 | 4.902     |   | 96.0     | 55.1     | 146            | 0    | 0        |              |  |  |  |

## Qualifiers:

Received by OCD: 6/22/2021 12:00:05/2M

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

Value above quantitation range Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit

Page 35 of 39

# Released to Imaging: 7/14/2021:9215:04/2M

# Received by OCD: 6/22/2021 12:00:05/2M

# QC SUMMARY REPORT

# Hall Environmental Analysis Laboratory, Inc.

WO#:

2006054

05-Jun-20

Client:

Talon Artesia

Project:

Bootes 15 Fed Com 1H

| Sample ID: mb1                | Samo                    | уре: М   | BI K      | Tes                     | TestCode: EPA Method 8015D: Gasoline Range |          |           |                |          |      |              |  |  |
|-------------------------------|-------------------------|----------|-----------|-------------------------|--|----------|-----------|----------------|----------|------|--------------|--|--|
| Client ID: PBS                | •                       | h ID: Ge |           |                         | RunNo: 6                                   |          |           |                |          |      |              |  |  |
| Prep Date:                    | Analysis Date: 6/2/2020 |          |           | Analysis Date: 6/2/2020 |  |          | 8         | SeqNo: 2404583 |          |      | Units: mg/Kg |  |  |
| Analyte                       | Result                  | PQL      | SPK value | SPK Ref Val             | %REC                                       | LowLimit | HighLimit | %RPD           | RPDLimit | Qual |              |  |  |
| Gasoline Range Organics (GRO) | ND                      | 5.0      |           |                         |  |          |           |                |          |      |              |  |  |
| 0 DED                         | 000                     |          | 4000      |                         | 94.6                                       | 66.6     | 106       |                |          |      |              |  |  |

Surr; BFB 820 1000 81.6 66.6 105

| Sample ID: 2.5ug gro Icsb     | Samp1      | Type: LC | S         | les         | tCode: E        | PA Method | е           |      |          |      |
|-------------------------------|------------|----------|-----------|-------------|-----------------|-----------|-------------|------|----------|------|
| Client ID: LCSS               | Batcl      | n ID: G6 | 9333      | F           | RunNo: <b>6</b> | 9333      |             |      |          |      |
| Prep Date:                    | Analysis D | )ate: 6/ | 2/2020    | 8           | SeqNo: 2        | 404584    | Units: mg/k | ⟨g   |          |      |
| Analyte                       | Result     | PQL      | SPK value | SPK Ref Val | %REC            | LowLimit  | HighLimit   | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 23         | 5.0      | 25,00     | 0           | 92.4            | 80        | 120         |      |          |      |
| Surr: BFB                     | 930        |          | 1000      |             | 92,5            | 66.6      | 105         |      |          |      |

| Sample ID: mb-52830           | SampT      | ype: Mi       | BLK       | les         | tCode: E | PA Method | 8015D: Gaso | oline Rang | e        |      |
|-------------------------------|------------|---------------|-----------|-------------|----------|-----------|-------------|------------|----------|------|
| Client ID: PBS                | Batch      | ID: <b>52</b> | 830       | F           | RunNo: 6 | 9340      |             |            |          |      |
| Prep Date: 6/2/2020           | Analysis D | ate: 6/       | 3/2020    | 8           | SeqNo: 2 | 405514    | Units: mg/k | (g         |          |      |
| Analyte                       | Result     | PQL           | SPK value | SPK Ref Val | %REC     | LowLimit  | HighLimit   | %RPD       | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND         | 5.0           |           |             |          |           |             |            |          |      |
| Sur: BFB                      | 830        |               | 1000      |             | 82.5     | 66.6      | 105         |            |          |      |

| Sample ID: 2006054-003ams     | Samn       | ype: MS          |           | Tes         | tCode: El | PA Method | 8015D; Gaso | oline Rang | е        |      |
|-------------------------------|------------|------------------|-----------|-------------|-----------|-----------|-------------|------------|----------|------|
| Client ID: B-1 3'             | •          | h ID: <b>G</b> 6 |           |             | RunNo: 6  |           |             |            |          |      |
| Prep Date:                    | Analysis E |                  |           | S           | SeqNo: 2  | 406060    | Units: mg/h | ζg         |          |      |
| Analyte                       | Result     | PQL              | SPK value | SPK Ref Val | %REC      | LowLimit  | HighLimit   | %RPD       | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 21         | 4.7              | 23.56     | 0           | 90.2      | 80        | 120         |            |          |      |
| Surr: BFB                     | 930        |                  | 942.5     |             | 98.3      | 66,6      | 105         |            |          |      |

| Sample ID: 2006054-003amsd    | SampT      | ype: MS  | SD        | Tes         | tCode: E | PA Method | 8015D: Gaso | line Rang | e        |      |
|-------------------------------|------------|----------|-----------|-------------|----------|-----------|-------------|-----------|----------|------|
| Client ID: B-1 3'             | Batch      | h ID: Ge | 9333      | F           | RunNo: 6 | 9340      |             |           |          |      |
| Prep Date:                    | Analysis E | Date: 6/ | 3/2020    | 9           | SeqNo: 2 | 406061    | Units: mg/K | (g        |          |      |
| Analyte                       | Result     | PQL      | SPK value | SPK Ref Val | %REC     | LowLimit  | HighLimit   | %RPD      | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 21         | 4.7      | 23.56     | 0           | 89.1     | 80        | 120         | 1.29      | 20       |      |
| Surr: BFB                     | 990        |          | 942.5     |             | 105      | 66.6      | 105         | 0         | 0        |      |

| Sample ID: ics-52830 | SampType: LCS TestCode: EPA Method 8015D: Gasoline Range                    |
|----------------------|---|
| Client ID: LCSS      | Batch ID: 52830 RunNo: 69340  |
| Prep Date: 6/2/2020  | Analysis Date: 6/3/2020 SeqNo: 2406062 Units: mg/Kg                         |
| Analyte              | Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual |

### Qualifiers:

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

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

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Received by OCD: 6/22/2021 12:00:05/2M

# QC SUMMARY REPORT

# Hall Environmental Analysis Laboratory, Inc.

WO#: 2006054

05-Jun-20

Client:

Talon Artesia

Project:

Bootes 15 Fed Com 1H

| Sample ID: Ics-52830          | Samp                    | ype: LC         | S            | Tes         | tCode: El | PA Method | 8015D: Gaso | oline Rang | е        |      |
|-------------------------------|-------------------------|-----------------|--------------|-------------|-----------|-----------|-------------|------------|----------|------|
| Client ID: LCSS               | Batc                    | Batch ID: 52830 |              |             | RunNo: 6  | 9340      |             |            |          |      |
| Prep Date: 6/2/2020           | Analysis Date: 6/3/2020 |                 |              | S           | SeqNo: 2  | 406062    | Units: mg/K | (g         |          |      |
| Analyte                       | Result                  | PQL             | SPK value    | SPK Ref Val | %REC      | LowLimit  | HighLimit   | %RPD       | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 21                      | 5.0             | 25.00        | 0           | 83.1      | 80        | 120         |            |          |      |
| Surr: BFB                     | 960                     |                 | 100 <b>0</b> |             | 96.4      | 66.6      | 105         |            |          |      |

### Qualifiers:

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

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

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# Received by OCD: 6/22/2021 12:00:05/AM

# QC SUMMARY REPORT

# Hall Environmental Analysis Laboratory, Inc.

WO#:

2006054

05-Jun-20

Client:

Talon Artesia

Project:

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Surr: 4-Bromoffuorobenzene

Bootes 15 Fed Com 1H

0.85

0.86 0.85

2.6

1.0

0.025

0.050

0.050

0.10

| Sample ID: mb1             | Samp       | Type: ME        | BLK       | Tes                       | tCode: El | PA Method | 8021B: Volat | tiles |          |      |
|----------------------------|------------|-----------------|-----------|---------------------------|-----------|-----------|--------------|-------|----------|------|
| Client ID: PBS             | Batc       | h ID: <b>B6</b> | 9333      | F                         | RunNo: 6  | 9333      |              |       |          |      |
| Prep Date:                 | Analysis [ | Date: 6/        | 2/2020    | S                         | eqNo: 2   | 404606    | Units: mg/K  | (g    |          |      |
| Analyte                    | Result     | PQL             | SPK value | SPK Ref Val               | %REC      | LowLimit  | HighLimit    | %RPD  | RPDLimit | Qual |
| Benzene                    | ND         | 0.025           |           |                           |           |           |              |       |          |      |
| Toluene                    | ND 0.050   |                 |           |                           |           |           |              |       |          |      |
| Ethylbenzene               | ND         | 0.050           |           |                           |           |           |              |       |          |      |
| Xylenes, Total             | ND         | 0.10            |           |                           |           |           |              |       |          |      |
| Surr: 4-Bromofluorobenzene | 0.98       |                 | 1.000     | 0 98.5 80                 |           |           |              |       |          |      |
| Sample ID: 100ng btex lcs  | Samp       | ſype: <b>LC</b> | s         | Test                      | Code: El  | PA Method | 8021B: Volat | iles  |          |      |
| Client ID: LCSS            | Batc       | h ID: <b>B6</b> | 9333      | R                         | 9333      |           |              |       |          |      |
| Prep Date:                 | Analysis D | Date: 6/2       | 2/2020    | SeqNo: <b>2404607</b> Uni |           |           | Units: mg/K  | g     |          |      |
| Analyte                    | Result     | PQL             | SPK value | SPK Ref Val               | %REC      | LowLimit  | HighLimit    | %RPD  | RPDLimit | Qual |

0

0

0

0

84.7

86.5

85.4

85.9

103

80

80

80

80

80

120

120

120

120

120

1.000

1.000

1.000

3.000

1.000

| Sample ID: mb-52830        | Samp       | Гуре: МЕ        | BLK       | Tes         | tCode: El | PA Method | 8021B; Volat | tiles |          |      |
|----------------------------|------------|-----------------|-----------|-------------|-----------|-----------|--------------|-------|----------|------|
| Client ID: PBS             | Batc       | h ID: <b>52</b> | 830       | F           | RunNo: 6  | 9340      |              |       |          |      |
| Prep Date: 6/2/2020        | Analysis I | Date: 6/        | 3/2020    | 8           | SeqNo: 2  | 405532    | Units: mg/K  | (g    |          |      |
| Analyte                    | Result     | PQL             | SPK value | SPK Ref Val | %REC      | LowLimit  | HighLimit    | %RPD  | RPDLimit | Qual |
| Benzene                    | ND         | 0.025           |           |             |           |           |              |       |          |      |
| Toluene                    | NĐ         | 0.050           |           |             |           |           |              |       |          |      |
| Ethylbenzene               | ND         | 0.050           |           |             |           |           |              |       |          |      |
| Xylenes, Total             | ND         | 0.10            |           |             |           |           |              |       |          |      |
| Surr: 4-Bromofluorobenzene | 1.0        |                 | 1.000     |             | 101       | 80        | 120          |       |          |      |

| Sample ID: 2006054-002ams  | SampT      | Гуре: МS                | 3         | Tes         | tCode: El | PA Method    | 8021B: Vola | tiles |          |      |
|----------------------------|------------|-------------------------|-----------|-------------|-----------|--------------|-------------|-------|----------|------|
| Client ID: B-1 2'          | Batcl      | h <b>i</b> D: <b>B6</b> | 9333      | F           | RunNo: 6  | 9340         |             |       |          |      |
| Prep Date:                 | Analysis E | Date: 6/                | 3/2020    | 8           | SeqNo: 2  | 406071       | Units: mg/K | (g    |          |      |
| Analyte                    | Result     | PQL                     | SPK value | SPK Ref Val | %REC      | LowLimit     | HighLimit   | %RPD  | RPDLimit | Qual |
| Benzene                    | 0.83       | 0.021                   | 0.8446    | 0.02348     | 95.0      | 78.5         | 119         |       |          |      |
| Toluene                    | 0.93       | 0.042                   | 0.8446    | 0.08708     | 99.5      | 75. <b>7</b> | 123         |       |          |      |
| Ethylbenzene               | 0.99       | 0.042                   | 0.8446    | 0.1423      | 101       | 74.3         | 126         |       |          |      |
| Xylenes, Total             | 2.7        | 0.084                   | 2.534     | 0.1780      | 99.0      | 72.9         | 130         |       |          |      |
| Surr: 4-Bromoffuorobenzene | 0.99       |                         | 0.8446    |             | 117       | 80           | 120         |       |          |      |

### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- D Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- 8 % Recovery outside of range due to dilution or matrix

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

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# Received by OCD: 6/22/2021 12:00:05/2M

# QC SUMMARY REPORT

# Hall Environmental Analysis Laboratory, Inc.

WO#:

2006054 *05-Jun-20* 

Client:

Talon Artesia

Project:

Bootes 15 Fed Com 1H

| Sample ID: 2006054-002am               | sd Samp    | Type: MS         | SD.       | Tes         | tCode: El | PA Method | 8021B: Volat | iles  |          |      |
|--|------------|------------------|-----------|-------------|-----------|-----------|--------------|-------|----------|------|
| Client ID: B-1 2'                      | Batc       | h ID: <b>B6</b>  | 9333      | F           | RunNo: 6  | 9340      |              |       |          |      |
| Prep Date:                             | Analysis [ | Date: <b>6</b> / | 3/2020    | S           | SeqNo: 2  | 406072    | Units: mg/K  | (g    |          |      |
| Analyte                                | Result     | PQL              | SPK value | SPK Ref Val | %REC      | LowLimit  | HighLimit    | %RPD  | RPDLimit | Qual |
| Benzene                                | 0.82       | 0.021            | 0.8446    | 0.02348     | 94.1      | 78.5      | 119          | 0.904 | 20       |      |
| Toluene                                | 0,94       | 0.042            | 0.8446    | 0.08708     | 101       | 75.7      | 123          | 1.01  | 20       |      |
| Ethylbenzene                           | 1.0        | 0.042            | 0.8446    | 0.1423      | 101       | 74.3      | 126          | 0.543 | 20       |      |
| Xylenes, Total                         |            |                  | 99.9      | 72.9        | 130       | 0.827     | 20           |       |          |      |
| turr: 4-Bromofluorobenzene 0.99 0.8446 |            |                  | 118       | 80          | 120       | 0         | 0            |       |          |      |

| Sample ID: LCS-52830       | Samo   | Type: LC          | · C       | Zeq.        | tCode: F | PA Method | 8021B: Vola  | tiles |          |      |
|----------------------------|--------|-------------------|-----------|-------------|----------|-----------|--------------|-------|----------|------|
| Client ID: LCSS            |        | h ID: <b>52</b> : |           |             | RunNo: 6 |           | COLID. TOTAL |       |          |      |
| Prep Date: 6/2/2020        |        |                   |           |             |          |           | Units: mg/K  | (g    |          |      |
| Analyte                    | Result | PQL               | SPK value | SPK Ref Val | %REC     | LowLimit  | HighLimit    | %RPD  | RPDLimit | Qual |
| Benzene                    | 0.93   | 0.025             | 1.000     | 0           | 92.6     | 80        | 120          |       |          |      |
| Toluene                    | 0.95   | 0.050             | 1.000     | 0           | 94.5     | 80        | 120          |       |          |      |
| Ethylbenzene               | 0.94   | 0.050             | 1.000     | 0           | 93.7     | 80        | 120          |       |          |      |
| Xylenes, Total             | 2.8    | 0.10              | 3.000     | 0           | 94.5     | 80        | 120          |       |          |      |
| Surr: 4-Bromofluorobenzene | 1.0    |                   | 1.000     |             | 105      | 80        | 120          |       |          |      |

### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- 8 % Recovery outside of range due to dilution or matrix

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

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Released to Imaging: 7/14/2021:9:15:04/2M



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

# Sample Log-In Check List

| Client Name:                            | TALON ARTESIA  | Work Orde   | er Number: 2006054  |   | RoptNo  | 1                 |
|---|--|---|---|---|---|-------------------|
| Received By:                            | Juan Rojas   | 6/2/2020 9:2  | 5:00 AM   | Howards   |   |                   |
| Completed By:                           | Isaiah Ortiz   | 6/2/2020 10:  | 03:00 AM  | Howas.<br>Times (   | DZ  |                   |
|   | DAD 6/2/20   |   |   | v   |   |                   |
| Chain of Cus                            | stody  |   |   |   | -   |                   |
| 1. Is Chain of C                        | ustody complete?   |   | Yes 🔽   | No 🗌  | Not Present   |                   |
| 2. How was the                          | sample delivered?  |   | <u>Courier</u>  |   |   |                   |
| <u>Log In</u><br>3. Was an attem        | npt made to cool the same  | les?  | Yes 🔽   | No 🗌  | № □   |                   |
| 4. Were all samp                        | ples received at a tempera   | iture of >0° C to 6.0   | o°C Yes <b>✓</b>  | No 🗆  | na 🗀  |                   |
| 5. Sample(s) in                         | proper container(s)?   |   | Yes 🗸   | No 🗌  |   |                   |
| 6, Sufficient sam                       | ple volume for indicated to  | est(s)?   | Yes 🗹   | No 🗀  |   |                   |
| 7. Are samples (                        | except VOA and ONG) pro  | operly preserved?   | Yes 🗸   | No 🗌  | _   |                   |
| 8. Was preserva                         | tive added to bottles?   |   | Yes 🗌   | No 🗹  | NA 🗌  |                   |
| 9. Received at le                       | east 1 vial with headspace   | <1/4" for AQ VOA?   | Yes 🗌   | No 🗌  | NA 🗹  |                   |
| 10, Were any san                        | nple containers received b   | roken?  | Yes   | No 🔽  | # of preserved  |                   |
|   | ork match bottle labels?<br>ancies on chain of custody   | )   | Yes 🗹   | No 🗆  | bottles checked<br>for pH:<br>(<2 or  | >12 unless noted) |
| 12, Are matrices of                     | correctly identified on Chai   | n of Custody?   | Yes 🔽   | No 🗌  | Adjusted?   |                   |
|   | t analyses were requested  | ?   | Yes 🔽   | No 🗆  | 1 C   | m 2/6/20          |
|   | ng times able to be met?<br>ustomer for authorization.)  |   | Yes 🗸   | No 📙  | Ghecked by: 9   | M DIVID           |
| Special Handli                          | ing (if applicable)  |   |   |   |   |                   |
|   | tified of all discrepancies v  | vith this order?  | Yes 🗌   | No 🗌  | NA 🗹  |                   |
| Person                                  | Notified:  | , while the $g$ besond a halod of $\mathcal M$ denoted to $\mathcal M_{g}(x)$ , $\mathcal G$  | Date:   | ak dan kasada kankerana adama 😦 di bahasah Arra dili 11, 2021 |   |                   |
| By Who                                  | om:  | tanan matana matana katana matana ana katana matana ana a   | Via; 🦳 eMail 🗌  | Phone 🗌 Fax   | ☐ In Person   |                   |
| Regardi                                 | Service and analysis of the Service and the se | Obereja (1901) (1904) egile i Orași de ejile e espera e electrici (1904) (1904) (1904) (1904)<br>Laure eman produment produmenții sădiții (1904) (1904) (1904) (1904) (1904) (1904) (1904) (1904) (1904) (1904) | ellegi, og grete, hanst og egenhete skjæligte ogget, et integen et med eller fra framer.<br>Beskinnere i kritisk framer og et eller framere en eller fra framere framere. |   | en agagiante communistraturas de manten en en encommentar de manten en encommentar ag |                   |
| Client Ir                               | nstructions:   |   |   |   |   |                   |
| 16. Additional rer                      | marks:   |   |   |   |   |                   |
| 17. <u>Cooler Information</u> Cooler No |  | Seal Intact   Sea<br>Not Present  | l No Seal Date  | Signed By   |   |                   |

Received by OCD: 6/22/2021 12:00:05/2M

|                              | hain         | -of-Cu   | ıstody Record                            | Turn-Around  | Time:  |                             |                                    |   |                      |             |              |               |                                     |            |                 |                                 |         |          |        |       |
|------------------------------|--------------|--|--|--|--|-----------------------------|------------------------------------|---|----------------------|-------------|--------------|---------------|-------------------------------------|------------|-----------------|---------------------------------|---------|----------|--------|-------|
| Client:                      |              | LPF  |  | □ Standard   | d M Rush   | 24 hr                       |                                    |   |                      |             |              |               |                                     |            |                 |                                 |         |          | ITA    |       |
|                              | <u> </u>     | ·  |  | Project Nam  | ne:  |                             |                                    |   |                      |             |              |               |                                     |            |                 |                                 |         |          | TOI    | KT    |
| Mailing                      | Address      | S  |  | n 1  | ſ  |                             |                                    |   |                      |             |              |               | envir                               |            |                 |                                 |         |          |        |       |
|                              |              | 408  | W Texas Aver                             | Bootes  Broject #  | 15 Fed   | Can It                      | _                                  | 49  | 01 H                 | awkii       | ıs N         | E -           | Albu                                | que        | erque           | e, NN                           | Л 871   | 109      |        |       |
|                              | <del></del>  | <u> </u>   | <u> </u>                                 | -  |  |                             |                                    | Т   | el. 50               | 5-34        | 5-39         | 75            | Fa                                  | ax 5       | 505-            | 345-                            | 4107    |          |        |       |
|                              |              | -746   | -8768                                    |  | 1,343.01   |                             |                                    |   |                      |             |              | Ai            | nallys                              | is I       | Regi            | Jest                            |         |          |        |       |
|                              | r Fax#:      |  |  | Project Man  | ager:  |                             | =                                  | · Q   |                      |             |              |               | SO4                                 |            |                 | £                               |         |          |        |       |
|                              | Package:     |  |  |  |  |                             | 802                                | ΜĀ  | PCB's                |             | MS           |               |                                     |            |                 | pse                             |         |          |        | 77777 |
| ☐ Star                       |              |  | ☐ Level 4 (Full Validation)              | David  | <u>4dkins</u>  |                             | 3's (                              | 02  | PC                   |             | 8270SIMS     |               | 9                                   |            |                 | nt/A                            |         |          |        |       |
|                              |              |  | ompliance                                | Sampler: ദ്ര   | randon S   | inclair                     | \ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | (TPH)8015D(GRO / DRO / MRO)                               | 8081 Pesticides/8082 | 504.1)      | 827          |               | NO <sub>2</sub> , PO <sub>4</sub> , |            |                 | Total Coliform (Present/Absent) |         |          |        |       |
| □ NEL                        |              | ☐ Other  | ***************************************  | On Ice:  | J⊒-Yes   | □No                         |                                    | 8   | 3/sə                 | 504         | jo           |               |                                     |            | 8270 (Semi-VOA) | <del>P</del>                    |         |          |        |       |
|                              | (Type)       | 1  |  | # of Coolers   | The countries and the contraction of the contractio | 1117                        | <u> </u>                           | 9)a   | icid                 | EDB (Method | PAHs by 8310 | RCRA 8 Metals | CI,)F, Br, NO <sub>3</sub> ,        | 2          | <u>-i-</u>      | orm                             |         |          |        |       |
|                              |              |  |  | 000101110111   | Principality CP):  | 16-6-1=2-5                  | <u> </u>                           | 015   | est                  | Met         | by 8         | 8 2           | Br,                                 | Ì(         | Sen             | 등                               |         |          |        |       |
|                              |              |  |  | Container  | Preservative   | HEAL No.                    | /≃                                 | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\                    | 81 5                 | ) B(        | 똣            | Ϋ́Α           | <u></u>                             | 8260 (VOA) | 0/              | tal                             | ŀ       |          |        |       |
| Date                         | Time         | Matrix   | Sample Name                              |  |  |                             |                                    |   | 80                   | 끱           | ₫            | ~[            | <u>ਹ</u> ]                          | 82         | 85.             | 2                               |         |          |        |       |
| 5-29-20                      | 09:23        | 50;  | B-1 0-1                                  | 402 jar ice -001   |  |                             |                                    |   |                      |             |              |               | $\sqrt{}$                           |            |                 |                                 |         |          |        |       |
| and an address of the second | 59.23        |  | B-1 2                                    | 4 02 jar ice -001 /<br>-002  |  |                             |                                    |   |                      |             |              |               |                                     |            |                 |                                 |         |          |        |       |
| nada panada di Nasa          | 09:23        | The second second  | B-1 3                                    |  |  | - 002                       | Se auromonomos                     |   |                      |             |              |               | A Thermony Constitution             |            |                 |                                 |         |          |        |       |
| STANDARY STEEDS              | 09:23        | hallinabe Lécang   | B-14'R                                   | 12   |  | -004                        | 1 1                                |   |                      |             |              |               |                                     |            |                 |                                 |         |          |        |       |
| Promount of This com-        | 09:47        | - All and a second seco | B-2 0-1                                  | And the state of   | and de 1912 gentle.  | - cos                       | ş                                  |   |                      |             |              |               |                                     |            |                 |                                 | Ì       |          |        |       |
| ation of partitions.         | 09:47        | 1,000  | B-Z 2                                    | A Tak chewidan   | Joseph Colonia, N. V.  | - 006                       |                                    |   |                      |             |              |               |                                     |            |                 |                                 |         |          |        |       |
| parel ( / //Euk              | 09:47        | **Christanis   | B-23'R                                   | The symptom of   |  | -007                        | To produce the second              | 1   |                      |             |              |               | 1                                   |            |                 |                                 |         |          |        |       |
| naviation, or states         | (0:00 B)     | <u>.</u>   | 8-3 0-1                                  |  | T. C.  | - 008                       | Thuistana, and                     |   |                      |             |              |               |                                     | Ì          |                 |                                 |         |          |        |       |
| -cannot -charge              | 10:00        |  | B-3 2'                                   |  | Part 10 17 17 18 18  | - 009                       |                                    |   |                      |             |              |               |                                     |            |                 |                                 |         | -        |        |       |
| apal (to a) a maga           | 0:00         |  | B-3 3 R                                  |  | 2000-000-000-000   | -010                        | Special Control Control            |   |                      |             |              |               |                                     | Ì          |                 |                                 |         |          |        |       |
| of property of the second    | 10:15        |  | B-4 9-1                                  |  |  | - 011                       | To part of the Special Con-        | 1.200 part (1925)   |                      |             |              |               |                                     |            |                 |                                 |         |          | -      |       |
| 1000                         | 10:15        |  | B-42'                                    | , and the state of | ***************************************  | - 012                       | ÷.                                 | ]   |                      |             |              |               |                                     |            |                 |                                 |         |          |        |       |
| Date:                        | Time:        | Relinquish   | ned by:                                  | Received by: Via: Date Time  |  |                             |                                    | Remarks: cc  dadkins@talonlpe.com  bsinclair@talonlpe.com |                      |             |              |               |                                     |            | <u> </u>        |                                 |         |          |        |       |
| 1/20                         | 590          |  |  | 6/1/20 09  |  |                             |                                    | ladk  | ins<br>1             | @ T         | alo          | rlp           | e. C                                | 019        | <b>`</b>        |                                 |         |          |        |       |
| Date:                        | Time:        | Relinquish   | sed by:                                  | Received by: Via: Date Time  |  |                             |                                    | Sin   | CIR                  |             | ta           | lon:          | lpe.                                | C9.        | <i>&gt;</i> ~   |                                 |         |          |        |       |
| 10                           | 1/4W         | 18/1   |  | My   | 2 courier  |                             | <b>-</b>                           |   |                      |             |              |               |                                     |            |                 |                                 |         |          |        |       |
|                              | If necessary | y, samples su  | bmitted to Hall Environmental may be sub | contracted to other  | accredited laboratori  | es. This serves as notice o | f this pos                         | sibility.   | Any st               | b-conli     | acted        | dala          | vill be                             | ilearly    | y notal         | ted on                          | the ana | alytical | epart. |       |

|                       |                        |            | f-Custody Record  Turn-Around Time: |  |  |             |  |                       | 10     |             |                  |               |   |            |                 |                                 |          |    |             |     |
|-----------------------|------------------------|------------|-------------------------------------|--|--|-------------|--|-----------------------|--------|-------------|------------------|---------------|---|------------|-----------------|---------------------------------|----------|----|-------------|-----|
| Client:_              |                        | LPÈ        |                                     | │<br>│ □ Standard  | ∯ Rush   | 24 /-       |  |                       |        |             |                  |               |   |            |                 |                                 |          |    | ITA         |     |
|                       |                        |            |                                     | Project Name   |  |             |  |                       |        |             |                  |               |   |            |                 |                                 |          |    | TOI         | KY. |
| Mailing               | Address                |            |                                     | ļ .  |  |             |  |                       |        |             | wwv              | v.hal         | lenvi   | ronr       | neni            | tal.co                          | m        |    |             |     |
|                       |                        | 408        | w Texas Ave                         | Bootes 1.  | 5 Fed (  | Com 1H      |  | 49                    | 01 H   | awk         | ins N            | 1E -          | Albi  | ⊔qu∈       | erqu            | e, NN                           | Л 871    | 09 |             |     |
| Art                   | esia,                  | NM         | 88210                               | Project #:   |  |             |  | Te                    | el. 50 | 5-34        | 15-39            | 975           | F   | ax         | 505-            | -345                            | 4107     |    |             |     |
| Phone #               | 575.                   | 746-       | 8768                                | 700794   | 343.01   |             |  |                       |        |             |                  | Ą             | naly  | sis        | Req             | uest                            |          |    |             |     |
| email or              | Fax#;                  |            |                                     | Project Mana   |  |             | 1)   | ô                     |        |             |                  |               | SO4   |            |                 | Æ                               |          |    |             |     |
| QA/QC F               | ackage:                |            |                                     |  |  |             | 302.   | M.R.                  | J,S    |             | AS               |               |   |            |                 | ser                             |          |    |             |     |
| □ Stand               | dard                   |            | ☐ Level 4 (Full Validation)         | David A  | olk ins  |             | TMB's (8021)   | DRO/MRO)              | PCB's  |             | 8270SIMS         |               | NO <sub>2</sub> , PO <sub>4</sub> ,   |            | '               | t/A                             |          |    |             |     |
| Accredit              | ation:                 | □ Az Co    | mpliance                            | Sampler: Br  |  | inclair     | MB   | DR                    | 82     | 1           | 327(             |               | 02,   |            |                 | ser                             |          |    |             |     |
| □ NELA                |                        | □ Other    |                                     | On Ice:  | ∠ErYes   | □No         | -  | (TPH:3015D(GRO /      | )8/s   | 504.1)      |                  | ιo.           | Z   |            | (A)             | Pre                             |          |    |             |     |
| □ EDD                 | (Type)_                |            |                                     | # of Coolers:  |  |             | / MTBE   | (6,                   | side   | pq &        | 310              | stak          | Š   |            | 2               | E                               |          |    |             |     |
| [                     |                        |            |                                     | Cooler Temp  | (Including CF): 乙  | 2.5 = ا 6-ا | Μ  | 15D                   | estic  | leth        | y 85             | 3 Me          | <u>-</u>  | OA         | emi             | ojije                           |          |    |             |     |
|                       |                        |            |                                     | Container  | Preservative   | HEAL No.    | BTEX)  | 08:                   | P.     | ₹           | q s              | ₹¥            | ш<br>,;-  | 2          | S) (S           | ŏ                               |          |    |             |     |
| Date                  | Time                   | Matrix     | Sample Name                         | Type and # Type Z60654   |  |             |  |                       | 8081   | EDB (Method | PAHs by 8310 or  | RCRA 8 Metals | C)F, Br, NO <sub>3</sub> ,  | 8260 (VOA) | 8270 (Semi-VOA) | Total Coliform (Present/Absent) |          |    |             |     |
| 5-29-20               | 10:15                  | soil       | B-43                                | 402 jar  | ice  | -613        | V  | 1                     |        |             |                  |               |   |            |                 |                                 |          |    |             |     |
| 1                     | 10:15                  |            | B-4 4 R                             | )  | in the second second   | -014        | II sprogramy comment   | and the second second |        | ·           |                  |               |   |            |                 |                                 |          |    |             |     |
|                       | 10:28                  |            | B-5 0-1'                            | duffered Administra  |  | -015        | - Maria de America (1884)  |                       |        |             |                  |               |   |            |                 |                                 |          |    |             |     |
|                       | 10:28                  |            | B-S 2'                              |  |  | -016        | Annual Property  |                       |        |             |                  |               | Total Control of the |            |                 |                                 |          |    |             |     |
|                       | 10:28                  |            | 8-5 3                               |  |  | -017        | -  |                       |        |             |                  |               | erithiciae rg.  |            |                 |                                 |          |    |             |     |
| To you have a         | 10:28                  |            | B-5 4 R                             |  |  | -018        |  | -                     |        |             |                  |               | T. manifolds  |            |                 |                                 |          |    |             |     |
| 1                     | 11.07                  |            | 8-6 0-1'                            |  | ea.  | -019        |  |                       |        |             |                  |               | That Addition 177, 175, 1   |            |                 |                                 |          |    |             |     |
| Economic and a second | 11:07                  |            | 3-6 2                               |  |  | -070        | Alexandra de la constante de l | 1                     |        |             |                  |               | dros madernes   |            |                 |                                 |          |    |             |     |
|                       | 11:07                  | ····       | B-6 3'                              | 27.1   |  | -021        | AMELIE LA CALLA (A)  | war saya              |        |             |                  |               |   |            |                 |                                 |          |    |             |     |
|                       | 11:07                  |            | B-6 4 R                             |  |  | -022        | MILWOOD TO STANK   | T-1000                |        |             |                  | Ì             | (1445) make had   |            |                 |                                 |          |    |             |     |
|                       | 11:27                  |            | 8-7 0-1                             |  | y and a second s | -073        | major (Capter com-   | an Transmission       |        |             |                  |               | Transco, January  |            |                 |                                 |          |    |             |     |
| 1                     | 11:27                  |            | 8-7 2                               |  | ţ  | -024        | Toward Clark   |                       |        |             |                  |               |   |            |                 |                                 |          |    |             |     |
|                       | Time:                  | Relinquish | ed by:                              | Received by:   | Via:   |             | Ren  | nark                  | s: ¿   | <u> </u>    | $\sim_{I}$       |               | 1 _   |            |                 |                                 | <u>-</u> |    | <del></del> |     |
| 1/20<br>Date:         | 09 <i>0</i> 0<br>Time: | Relinguish | Sd By:                              | Received by: Via: Date Time  |  |             |  |                       | K i -  | 50          | ンT/<br>こ・        | alon<br>,     | , lpe   | ب. ري<br>پ | 0m              |                                 |          |    |             |     |
| k i                   | ,                      |            | ou by.                              |  |  |             |  |                       | rcla   | ir E        | سرت <sup>و</sup> | 6   0 ,       | n D   | ٠- (       | -0'             |                                 |          |    |             |     |
| 1/20                  | 1910                   | XX         | posited to Hall Environment &       | pe subcontracted to other accredited laboratories. This serves as notice of this |  |             |  |                       |        |             |                  |               |   |            |                 |                                 |          |    |             | w.a |

| Chain-of-Custody Record  |              |            | Turn-Around Time: |  |  |                      |  |   |                             |                      |                |             |               |                                     |            |   |                                 |   |          |          |  |
|--|--------------|------------|-------------------|--|--|----------------------|--|---|-----------------------------|----------------------|----------------|-------------|---------------|-------------------------------------|------------|---|---------------------------------|---|----------|----------|--|
| CE-make  |              | n LP       |                   | □ Standard ☑ Rush 2 Y h r Project Name:  |  |                      |  | HALL ENVIRONMENTAL ANALYSIS LABORATORY  |                             |                      |                |             |               |                                     |            |   |                                 |   |          |          |  |
| Mailing  | Address      |            | 1.6 = 1.0         |  |  |                      |  | www.hallenvironmental.com               |                             |                      |                |             |               |                                     |            |   |                                 |   |          |          |  |
|  | +051         | <u>408</u> | W (exas AVE)      | Bootes 1.5 Fed Com 1H<br>Project #:  |  |                      |  | 4901 Hawkins NE - Albuquerque, NM 87109 |                             |                      |                |             |               |                                     |            |   |                                 |   |          |          |  |
| Artesia, NM 88210<br>Phone #: 575 - 746 - 8768                   |              |            | 7007942343.01     |  |  |                      | Tel. 505-345-3975 Fax 505-345-4107  Analysis Request |   |                             |                      |                |             |               |                                     |            |   |                                 |   |          |          |  |
| email or Fax#:   |              |            | Project Mana      |  |  |                      | _  | $\overline{\cap}$                       |                             |                      |                |             | SO.           |                                     |            | 241000000000000000000000000000000000000 |                                 |   |          |          |  |
| QA/QC Package:   |              |            |                   |  |  |                      |  | TMB's (8021)                            | MR                          | B's                  |                | 8           |               |                                     |            |   | ser                             |   |          |          |  |
| ☐ Standard ☐ Level 4 (Full Validation)                           |              |            |                   | David  | Adkins   |                      |  | 3) 8,8                                  | 2                           | PCB's                | İ              | 8270SIMS    |               | NO <sub>2</sub> , PO <sub>4</sub> , |            |   | t/Ak                            |   |          |          |  |
|  |              |            | mpliance          | Sampler: 13 r.   | andon Sin  | clair                |  | IMB I                                   | / DR                        | 082                  | F              | 827(        |               | \overline{0}{2}                     |            |   | eser                            |   |          |          |  |
| O NEL  | AC<br>(Type) | □ Other    | - Annual C        | On Ice: ∠Yes □ No  |  |                      | 1 3  | 88                                      | es/8                        | 504.1)               | <u>-</u>       | S           |               |                                     | 8          | (Pr                                     |                                 |   |          |          |  |
|  | (Type)       | T T        |                   | # of Coolers:<br>Cooler Temp   | (including CF): 7  | -6-6-1=2.            | <del>(</del>   | /TB                                     | )<br>D(G                    | ficid                | thod           | 831         | Meta          | 8                                   | æ          | πi-V                                    | form                            |   |          |          |  |
|  |              | -          |                   |  |  |                      |  | 5                                       | 801                         | Pes                  | (Me            | βþ          | 481           | P,                                  | 8          | (Sel                                    | Coli                            | ļ |          |          |  |
| Date   | Time         | Matrix     | Sample Name       | Container Type and #   | Preservative<br>Type   | HEAL NO<br>700 605   | <u>°.</u> 4  | втех) мтве/                             | (TPH)8015D(GRO / DRO / MRO) | 8081 Pesticides/8082 | EDB (Method 50 | PAHs        | RCRA 8 Metals | CI,)F, Br, NO <sub>3</sub> ,        | 8260 (VOA) | 8270 (Semi-VOA)                         | Total Coliform (Present/Absent) |   |          |          |  |
| 5-29-20  | 11:27        | 50:1       | B-7 3 R           | 407 jar  |  | -07                  |  |   | /                           |                      |                |             |               | $\sqrt{1}$                          |            |   |                                 |   |          |          |  |
| CHAPTER STATE  | 12:37        |            | 8-8 0-1'          |  | Malleman to State of the   | <b>~</b> 0Z          | -6   | And the second district                 | - constitutions             |                      |                |             |               | Mark Mark                           |            |   |                                 |   |          |          |  |
|  | 12:37        |            | 8-8 2'            | anagy, as a color to   | Property of the Parket   | -02                  |  | New Agents                              | and the second              |                      |                |             |               | 111000                              |            |   |                                 |   |          |          |  |
|  | 12:37        |            | B-8 3             | )  | or and J. Lineson  | -02                  |  |   | N dan a choolin             |                      |                |             |               |                                     |            |   |                                 |   |          |          |  |
| **************************************                           | 12:37        |            | B-8 4 R           | Y III TOMONOGO   | - VI-101-1677  | -07                  |  | W                                       |                             |                      |                |             |               | 24 74 11                            |            |   |                                 |   |          |          |  |
| Englist suspense.  | 13:00        |            | B-9 0-1           | - Nation of the Control of the Contr | A CONTRACTOR OF THE PARTY OF TH | -03                  |  |   | TOTAL STATE OF              |                      |                |             |               |                                     |            |   |                                 |   |          |          |  |
| to professional and a second                                     | 13:00        |            | B-9 2             |  | spoken <sub>perm</sub>   | ~03                  |  | in was in the                           | ALC: HEROTOPIES             |                      |                |             |               | 144                                 |            |   |                                 |   |          |          |  |
|  | 13:00        |            | B-9 3             |  | The work   | -03                  |  | May 1771 comp                           | - Lead I Avi All            |                      |                |             | İ             |                                     |            |   |                                 |   |          |          |  |
|  |              |            |                   |  |  |                      |  |   |                             |                      |                |             |               |                                     |            |   |                                 |   |          |          |  |
|  |              |            |                   |  |  |                      |  |   |                             |                      |                |             |               |                                     |            |   |                                 |   |          | <u> </u> |  |
|  |              |            |                   |  |  |                      |  |   |                             |                      |                |             |               |                                     |            |   |                                 |   |          | +        |  |
|  |              |            |                   | _  |  |                      |  |   |                             |                      | Ì              |             |               |                                     |            |   |                                 |   |          | +        |  |
| Date:  | Time: 090)   | Relinquish | ned by:           | Received by:   | Via:   | 1)/                  | me<br>0900   | Ren                                     | narks                       | s: ¿(                | 5 6            | >+ <u>_</u> | 100           | , lp                                | e.c        | سة ن                                    | ~                               |   | <u>I</u> | _1       |  |
| Date:  | Time:        | Relinquish | ed by:            | Received by:   | Via:   | Date Tir             | me   | 5.5                                     | ins                         | in:<br>dai           | r d            | 25          | Telo          | , , ,                               | pe         | . C (                                   | )m                              |   |          |          |  |
| If necessary, samples submitted to Hall Environmental may be sub |              |            |                   | nortested to other   | MUNERY<br>Accredited laborator   | es This serves as no | · · · ·  | <u> </u>                                | hilis                       | ^ m.c.o.             |                |             | _ء_د د        | 111 1                               |            |   |                                 |   |          |          |  |



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

OrderNo.: 2006942

June 24, 2020

David Adkins Talon Artesia 408 West Texas Ave Artesia, NM 88210 TEL: FAX:

RE: Bootes 15 Fed Com 1H

### Dear David Adkins:

Hall Environmental Analysis Laboratory received 13 sample(s) on 6/18/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the OC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincercly,

Andy Freeman

Laboratory Manager

andy

4901 Hawkins NE

Albuquerque, NM 87109

Released to Imaging: 3/14/2021: 9:15:04/AM

Lab Order 2006942

Date Reported: 6/24/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Bootes 15 Fed Com 1H Project:

Lab ID:

Client Sample ID: B-10 0-1

Collection Date: 6/17/2020 11:05:00 AM

Matrix: SOIL Received Date: 6/18/2020 11:10:00 AM 2006942-001

| Analyses                               | Result | RL       | Qual | Units | DF  | Date Analyzed         | Batch |
|--|--------|----------|------|-------|-----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS               |        |          |      |       |     | Analyst               | : JMT |
| Chloride                               | 13000  | 600      |      | mg/Kg | 200 | 6/23/2020 6:08:12 PM  | 53218 |
| EPA METHOD 8015D MOD: GASOLINE RANGE   |        |          |      |       |     | Analyst               | DJF   |
| Gasoline Range Organics (GRO)          | 23     | 4.9      |      | mg/Kg | 1   | 6/20/2020 4:03:28 PM  | 53155 |
| Surr: BFB                              | 101    | 70-130   |      | %Rec  | 1   | 6/20/2020 4:03:28 PM  | 53155 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGAI | VICS   |          |      |       |     | Analyst               | BRM   |
| Diesel Range Organics (DRO)            | 19000  | 900      |      | mg/Kg | 100 | 6/19/2020 10:31:29 PM | 53169 |
| Motor Oil Range Organics (MRO)         | 12000  | 4500     |      | mg/Kg | 100 | 6/19/2020 10:31:29 PM | 53169 |
| Surr: DNOP                             | 0      | 55,1-146 | S    | %Rec  | 100 | 6/19/2020 10:31:29 PM | 53169 |
| EPA METHOD 8260B: VOLATILES SHORT LIST |        |          |      |       |     | Analyst:              | DJF   |
| Benzene                                | ND     | 0.025    |      | mg/Kg | 1   | 6/20/2020 4:03:28 PM  | 53155 |
| Toluene                                | ND     | 0.049    |      | mg/Kg | 1   | 6/20/2020 4:03:28 PM  | 53155 |
| Ethylbenzene                           | 0.52   | 0.049    |      | mg/Kg | 1   | 6/20/2020 4:03:28 PM  | 53155 |
| Xylenes, Total                         | 2.8    | 0.098    |      | mg/Kg | 1   | 6/20/2020 4:03:28 PM  | 53155 |
| Surr: 1,2-Dichloroethane-d4            | 106    | 70-130   |      | %Rec  | 1   | 6/20/2020 4:03:28 PM  | 53155 |
| Surr: 4-Bromofluorobenzene             | 73.4   | 70-130   |      | %Rec  | 1   | 6/20/2020 4:03:28 PM  | 53155 |
| Surr: Dibromofluoromethane             | 106    | 70-130   |      | %Rec  | 1   | 6/20/2020 4:03:28 PM  | 53155 |
| Surr: Toluene-d8                       | 106    | 70-130   |      | %Rec  | 1   | 6/20/2020 4:03:28 PM  | 53155 |

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

### Qualifiers:

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

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

Page 1 of 19

Lab Order 2006942

Date Reported: 6/24/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Project: Bootes 15 Fed Com 1H

Lab ID: 2006942-002

Client Sample ID: B-10 2'

Collection Date: 6/17/2020 11:05:00 AM

Received Date: 6/18/2020 11:10:00 AM

| Analyses                               | Result | RL       | Qual Units | DF | Date Analyzed        | Batch |
|--|--------|----------|------------|----|----------------------|-------|
| EPA METHOD 300.0: ANIONS               |        |          |            |    | Analyst              | MRA   |
| Chloride                               | 290    | 60       | mg/Kg      | 20 | 6/22/2020 1:59:35 PM | 53218 |
| EPA METHOD 8015D MOD: GASOLINE RANGE   |        |          |            |    | Analyst              | DJF   |
| Gasoline Range Organics (GRO)          | ND     | 5.0      | mg/Kg      | 1  | 6/20/2020 5:58:07 PM | 53155 |
| Surr: BFB                              | 97.6   | 70-130   | %Rec       | 1  | 6/20/2020 5:58:07 PM | 53155 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGA  | NICS   |          |            |    | Analyst              | BRM   |
| Diesel Range Organics (DRO)            | 180    | 9.8      | mg/Kg      | 1  | 6/20/2020 1:03:48 PM | 53169 |
| Motor Oil Range Organics (MRO)         | 120    | 49       | mg/Kg      | 1  | 6/20/2020 1:03:48 PM | 53169 |
| Surr: DNOP                             | 122    | 55.1-146 | %Rec       | 1  | 6/20/2020 1:03:48 PM | 53169 |
| EPA METHOD 8260B: VOLATILES SHORT LIST |        |          |            |    | Analyst:             | DJF   |
| Benzene                                | ND     | 0.025    | mg/Kg      | 1  | 6/20/2020 5:58:07 PM | 53155 |
| Toluene                                | ND     | 0.050    | mg/Kg      | 1  | 6/20/2020 5:58:07 PM | 53155 |
| Ethylbenzene                           | ND     | 0.050    | mg/Kg      | 1  | 6/20/2020 5:58:07 PM | 53155 |
| Xylenes, Total                         | ND     | 0.099    | mg/Kg      | 1  | 6/20/2020 5:58:07 PM | 53155 |
| Surr: 1,2-Dichloroethane-d4            | 104    | 70-130   | %Rec       | 1  | 6/20/2020 5:58:07 PM | 53155 |
| Surr: 4-Bromofluorobenzene             | 91,9   | 70-130   | %Rec       | 1  | 6/20/2020 5:58:07 PM | 53155 |
| Surr: Dibromofluoromethane             | 115    | 70-130   | %Rec       | 1  | 6/20/2020 5:58:07 PM | 53155 |
| Surr: Toluene-d8                       | 103    | 70-130   | %Rec       | 1  | 6/20/2020 5:58:07 PM | 53155 |

Matrix: SOIL

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

O Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded

D Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

Yalue above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Lab Order 2006942

Date Reported: 6/24/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Project: Bootes 15 Fed Com 1H

Lab ID: 2006942-003

Client Sample ID: B-10 3'

Collection Date: 6/17/2020 11:05:00 AM

Received Date: 6/18/2020 11:10:00 AM

| Analyses                             | Result | RL       | Qual Units | DF | Date Analyzed         | Batch |
|--------------------------------------|--------|----------|------------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS             |        |          |            |    | Analyst               | MRA   |
| Chloride                             | 220    | 60       | mg/Kg      | 20 | 6/22/2020 2:11:55 PM  | 53218 |
| EPA METHOD 8015D MOD: GASOLINE RANG  | 3E     |          |            |    | <b>A</b> nalyst       | DJF   |
| Gasoline Range Organics (GRO)        | ND     | 4.9      | mg/Kg      | 1  | 6/20/2020 7:24:11 PM  | 53155 |
| Surr: BFB                            | 97.4   | 70-130   | %Rec       | 1  | 6/20/2020 7:24:11 PM  | 53155 |
| EPA METHOD 8015M/D; DIESEL RANGE OR  | GANICS |          |            |    | Analyst               | BRM   |
| Diesel Range Organics (DRO)          | 29     | 10       | mg/Kg      | 1  | 6/19/2020 10:51:55 PM | 53169 |
| Motor Oil Range Organics (MRO)       | ND     | 50       | mg/Kg      | 1  | 6/19/2020 10:51:55 PM | 53169 |
| Surr: DNOP                           | 97.8   | 55.1-146 | %Rec       | 1  | 6/19/2020 10:51:55 PM | 53169 |
| EPA METHOD 8260B: VOLATILES SHORT LI | ST     |          |            |    | Analyst               | DJF   |
| Benzene                              | ND     | 0.025    | mg/Kg      | 1  | 6/20/2020 7:24:11 PM  | 53155 |
| Toluene                              | ND     | 0.049    | mg/Kg      | 1  | 6/20/2020 7:24:11 PM  | 53155 |
| Ethylbenzene                         | ND     | 0.049    | mg/Kg      | 1  | 6/20/2020 7:24:11 PM  | 53155 |
| Xylenes, Total                       | ND     | 0.099    | mg/Kg      | 1  | 6/20/2020 7:24:11 PM  | 53155 |
| Surr: 1,2-Dichloroethane-d4          | 100    | 70-130   | %Rec       | 1  | 6/20/2020 7:24:11 PM  | 53155 |
| Surr: 4-Bromofluorobenzene           | 90.4   | 70-130   | %Rec       | 1  | 6/20/2020 7:24:11 PM  | 53155 |
| Surr: Dibromofluoromethane           | 106    | 70-130   | %Rec       | 1  | 6/20/2020 7:24:11 PM  | 53155 |
| Surr: Toluene-d8                     | 108    | 70-130   | %Rec       | 1  | 6/20/2020 7:24:11 PM  | 53155 |

Matrix: SOIL

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

### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
  - 8 % Recovery outside of range due to dilution or matrix

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

Lab Order 2006942

Date Reported: 6/24/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Project: Bootes 15 Fed Com 1H

Lab ID: 2006942-004

Client Sample ID: B-10 4

Collection Date: 6/17/2020 11:05:00 AM

Received Date: 6/18/2020 11:10:00 AM

| Analyses                              | Result   | RL       | Qual Units | DF | Date Analyzed        | Batch |
|---------------------------------------|----------|----------|------------|----|----------------------|-------|
| EPA METHOD 300.0: ANIONS              |          |          |            |    | Analyst:             | MRA   |
| Chloride                              | 180      | 60       | mg/Kg      | 20 | 6/22/2020 2:24:15 PM | 53218 |
| EPA METHOD 8015D MOD: GASOLINE RANGE  | <b>=</b> |          |            |    | Analyst:             | DJF   |
| Gasoline Range Organics (GRO)         | ND       | 4.9      | mg/Kg      | 1  | 6/20/2020 7:52:52 PM | 53155 |
| Surr: BFB                             | 100      | 70-130   | %Rec       | 1  | 6/20/2020 7:52:52 PM | 53155 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGA | ANICS    |          |            |    | Analyst:             | BRM   |
| Diesel Range Organics (DRO)           | 230      | 9.7      | mg/Kg      | 1  | 6/20/2020 1:13:39 PM | 53169 |
| Motor Oil Range Organics (MRO)        | 150      | 49       | mg/Kg      | 1  | 6/20/2020 1:13:39 PM | 53169 |
| Surr: DNOP                            | 118      | 55.1-146 | %Rec       | 1  | 6/20/2020 1:13:39 PM | 53169 |
| EPA METHOD 8260B: VOLATILES SHORT LIS | Т        |          |            |    | Analyst:             | DJF   |
| Benzene                               | ND       | 0.025    | mg/Kg      | 1  | 6/20/2020 7:52:52 PM | 53155 |
| Toluene                               | ND       | 0.049    | mg/Kg      | 1  | 6/20/2020 7:52:52 PM | 53155 |
| Ethylbenzene                          | ND       | 0.049    | mg/Kg      | 1  | 6/20/2020 7:52:52 PM | 53155 |
| Xylenes, Total                        | ND       | 0.098    | mg/Kg      | 1  | 6/20/2020 7:52:52 PM | 53155 |
| Surr: 1,2-Dichloroethane-d4           | 103      | 70-130   | %Rec       | 1  | 6/20/2020 7:52:52 PM | 53155 |
| Surr: 4-Bromofluorobenzene            | 86.2     | 70-130   | %Rec       | 1  | 6/20/2020 7:52:52 PM | 53155 |
| Surr: Dibromofluoromethane            | 108      | 70-130   | %Rec       | 1  | 6/20/2020 7:52:52 PM | 53155 |
| Surr: Toluene-d8                      | 109      | 70-130   | %Rec       | 1  | 6/20/2020 7:52:52 PM | 53155 |

Matrix: SOIL

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

Qualifiers:

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

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

Page 4 of 19

Lab Order 2006942

Date Reported: 6/24/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Project: Lab ID:

2006942-005

Bootes 15 Fed Com 1H

Matrix: SOIL

Client Sample ID: B-11 0-1'

Collection Date: 6/17/2020 11:26:00 AM

Received Date: 6/18/2020 11:10:00 AM

| Analyses                               | Result | RL       | Qual | Units | DF  | Date Analyzed         | Batch    |
|--|--------|----------|------|-------|-----|-----------------------|----------|
| EPA METHOD 300.0: ANIONS               |        |          |      |       |     | Analys                | st: JMT  |
| Chloride                               | 4200   | 150      |      | mg/Kg | 50  | 6/23/2020 6:20:37 PM  | 53218    |
| EPA METHOD 8015D MOD: GASOLINE RANGE   |        |          |      |       |     | Analys                | st: JMR  |
| Gasoline Range Organics (GRO)          | 2700   | 480      |      | mg/Kg | 100 | 6/21/2020 1:47:45 PM  | 53155    |
| Surr: BFB                              | 102    | 70-130   |      | %Rec  | 100 | 6/21/2020 1:47:45 PM  | 53155    |
| EPA METHOD 8015M/D: DIESEL RANGE ORGA  | NICS   |          |      |       |     | Analys                | st: BRM  |
| Diesel Range Organics (DRO)            | 11000  | 180      |      | mg/Kg | 20  | 6/19/2020 11:12:23 PI | M 53169  |
| Motor Oil Range Organics (MRO)         | 5100   | 920      |      | mg/Kg | 20  | 6/19/2020 11:12:23 Pi | vi 53169 |
| Surr: DNOP                             | 0      | 55.1-146 | S    | %Rec  | 20  | 6/19/2020 11:12:23 PI | vi 53169 |
| EPA METHOD 8260B: VOLATILES SHORT LIST |        |          |      |       |     | Analys                | t: DJF   |
| Benzene                                | 4.1    | 0.12     |      | mg/Kg | 5   | 6/20/2020 8:21:33 PM  | 53155    |
| Toluene                                | 99     | 4.8      |      | mg/Kg | 100 | 6/21/2020 1:47:45 PM  | 53155    |
| Ethylbenzene                           | 110    | 4.8      |      | mg/Kg | 100 | 6/21/2020 1:47:45 PM  | 53155    |
| Xylenes, Total                         | 210    | 9.5      |      | mg/Kg | 100 | 6/21/2020 1:47:45 PM  | 53155    |
| Surr: 1,2-Dichloroethane-d4            | 111    | 70-130   |      | %Rec  | 5   | 6/20/2020 8:21:33 PM  | 53155    |
| Surr: 4-Bromofluorobenzene             | 48.6   | 70-130   | S    | %Rec  | 5   | 6/20/2020 8:21:33 PM  | 53155    |
| Surr: Dibromofluoromethane             | 101    | 70-130   |      | %Rec  | 5   | 6/20/2020 8:21:33 PM  | 53155    |
| Surr: Toluene-d8                       | 115    | 70-130   |      | %Rec  | 5   | 6/20/2020 8:21:33 PM  | 53155    |

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

Qualifiers:

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

- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL

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Released to Imaging: 3/14/2021: 92:15:04/2M

Analytical Report

Lab Order 2006942

Date Reported: 6/24/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia Client Sample ID: B-11 2'

 Project:
 Bootes 15 Fed Com 1H
 Collection Date: 6/17/2020 11:26:00 AM

 Lab ID:
 2006942-006
 Matrix: SOIL
 Received Date: 6/18/2020 11:10:00 AM

| Analyses                               | Result | RL       | Qual Units | DF | Date Analyzed        | Batch |
|--|--------|----------|------------|----|----------------------|-------|
| EPA METHOD 300.0: ANIONS               |        |          |            |    | Analyst.             | MRA   |
| Chloride                               | 220    | 60       | mg/Kg      | 20 | 6/22/2020 3:13:39 PM | 53218 |
| EPA METHOD 8015D MOD: GASOLINE RANGE   |        |          |            |    | <b>A</b> nalyst:     | JMR   |
| Gasoline Range Organics (GRO)          | 13     | 4.9      | mg/Kg      | 1  | 6/21/2020 2:16:28 PM | 53155 |
| Surr: BFB                              | 97.8   | 70-130   | %Rec       | 1  | 6/21/2020 2:16:28 PM | 53155 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGA  | NICS   |          |            |    | Analyst:             | BRM   |
| Diesel Range Organics (DRO)            | 290    | 9.6      | mg/Kg      | 1  | 6/20/2020 1:33:35 PM | 53169 |
| Motor Oil Range Organics (MRO)         | 170    | 48       | mg/Kg      | 1  | 6/20/2020 1:33:35 PM | 53169 |
| Surr: DNOP                             | 125    | 55.1-146 | %Rec       | 1  | 6/20/2020 1:33:35 PM | 53169 |
| EPA METHOD 8260B: VOLATILES SHORT LIST |        |          |            |    | Analyst:             | JMR   |
| Benzene                                | 0.029  | 0.024    | mg/Kg      | 1  | 6/21/2020 2:16:28 PM | 53155 |
| Toluene                                | 0.32   | 0.049    | mg/Kg      | 1  | 6/21/2020 2:16:28 PM | 53155 |
| Ethylbenzene                           | 0.37   | 0.049    | mg/Kg      | 1  | 6/21/2020 2:16:28 PM | 53155 |
| Xylenes, Total                         | 0.80   | 0.097    | mg/Kg      | 1  | 6/21/2020 2:16:28 PM | 53155 |
| Surr: 1,2-Dichloroethane-d4            | 103    | 70-130   | %Rec       | 1  | 6/21/2020 2:16:28 PM | 53155 |
| Surr: 4-Bromofluorobenzene             | 72.3   | 70-130   | %Rec       | 1  | 6/21/2020 2:16:28 PM | 53155 |
| Surr: Dibromofluoromethane             | 106    | 70-130   | %Rec       | 1  | 6/21/2020 2:16:28 PM | 53155 |
| Surr: Toluene-d8                       | 104    | 70-130   | %Rec       | 1  | 6/21/2020 2:16:28 PM | 53155 |

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded
- D Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- 8 % Recovery outside of range due to dilution or matrix

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

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**Analytical Report** 

Lab Order 2006942

Date Reported: 6/24/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Bootes 15 Fed Com 1H

Project: Lab ID:

2006942-007

Client Sample ID: B-11 3'R

Collection Date: 6/17/2020 11:26:00 AM

Received Date: 6/18/2020 11:10:00 AM

| Analyses                               | Result | RL       | Qual | Uuits | DF | Date Analyzed         | Batch |
|--|--------|----------|------|-------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS               |        |          |      |       |    | Analyst               | MRA   |
| Chloride                               | 510    | 60       |      | mg/Kg | 20 | 6/22/2020 3:26:00 PM  | 53218 |
| EPA METHOD 8015D MOD: GASOLINE RANGE   |        |          |      |       |    | Analyst:              | DJF   |
| Gasoline Range Organics (GRO)          | 240    | 4.9      |      | mg/Kg | 1  | 6/20/2020 9:18:45 PM  | 53155 |
| Surr: BFB                              | 111    | 70-130   |      | %Rec  | 1  | 6/20/2020 9:18:45 PM  | 53155 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGA  | NICS   |          |      |       |    | Analyst:              | BRM   |
| Diesel Range Organics (DRO)            | 1500   | 97       |      | mg/Kg | 10 | 6/19/2020 11:32:49 PM | 53169 |
| Motor Oil Range Organics (MRO)         | 940    | 490      |      | mg/Kg | 10 | 6/19/2020 11:32:49 PM | 53169 |
| Surr; DNOP                             | 0      | 55.1-146 | S    | %Rec  | 10 | 6/19/2020 11:32:49 PM | 53169 |
| EPA METHOD 8260B: VOLATILES SHORT LIST |        |          |      |       |    | Analyst:              | DJF   |
| Benzene                                | 0.56   | 0.025    |      | mg/Kg | 1  | 6/20/2020 9:18:45 PM  | 53155 |
| Toluene                                | 8.4    | 0.49     |      | mg/Kg | 10 | 6/21/2020 2:45:12 PM  | 53155 |
| Ethylbenzene                           | 8.3    | 0.49     |      | mg/Kg | 10 | 6/21/2020 2:45:12 PM  | 53155 |
| Xylenes, Total                         | 16     | 0.98     |      | mg/Kg | 10 | 6/21/2020 2:45:12 PM  | 53155 |
| Surr: 1,2-Dichloroethane-d4            | 117    | 70-130   |      | %Rec  | 1  | 6/20/2020 9:18:45 PM  | 53155 |
| Surr: 4-Bromofluorobenzene             | 51.4   | 70-130   | S    | %Rec  | 1  | 6/20/2020 9:18:45 PM  | 53155 |
| Surr: Dibromofluoromethane             | 106    | 70-130   |      | %Rec  | 1  | 6/20/2020 9:18:45 PM  | 53155 |
| Surr: Toluene-d8                       | 108    | 70-130   |      | %Rec  | 1  | 6/20/2020 9:18:45 PM  | 53155 |

Matrix: SOIL

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- D Holding times for preparation or analysis exceeded н
- $N\!D$ Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix

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

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Released to Imaging: 7/14/2021:9215:04/AM

**Analytical Report** 

Lab Order 2006942

Date Reported: 6/24/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Bootes 15 Fed Com 1H

Lab ID: 2006942-008

Project:

Client Sample ID: B-12 0-1'

Collection Date: 6/17/2020 11:47:00 AM

Received Date: 6/18/2020 11:10:00 AM

| Analyses                               | Result | RL       | Qual | Units | DF  | Date Analyzed         | Batch |
|--|--------|----------|------|-------|-----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS               |        |          |      |       |     | Analysi               | MRA   |
| Chloride                               | 150    | 60       |      | mg/Kg | 20  | 6/22/2020 3:38:21 PM  | 53218 |
| EPA METHOD 8015D MOD: GASOLINE RANGE   | Ξ      |          |      |       |     | Analyst               | : JMR |
| Gasoline Range Organics (GRO)          | 4300   | 460      |      | mg/Kg | 100 | 6/21/2020 3:13:58 PM  | 53155 |
| Surr: BFB                              | 101    | 70-130   |      | %Rec  | 100 | 6/21/2020 3:13:58 PM  | 53155 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGA  | ANICS  |          |      |       |     | Analyst               | BRM   |
| Diesel Range Organics (DRO)            | 21000  | 480      |      | mg/Kg | 50  | 6/19/2020 11:43:02 PM | 53169 |
| Motor Oil Range Organics (MRO)         | 9100   | 2400     |      | mg/Kg | 50  | 6/19/2020 11:43:02 PM | 53169 |
| Surr: DNOP                             | 0      | 55.1-146 | S    | %Rec  | 50  | 6/19/2020 11:43:02 PM | 53169 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | Т      |          |      |       |     | Analyst               | : JMR |
| Benzene                                | 31     | 2.3      |      | mg/Kg | 100 | 6/21/2020 3:13:58 PM  | 53155 |
| Toluene                                | 220    | 4.6      |      | mg/Kg | 100 | 6/21/2020 3:13:58 PM  | 53155 |
| Ethylbenzene                           | 170    | 4.6      |      | mg/Kg | 100 | 6/21/2020 3:13:58 PM  | 53155 |
| Xylenes, Total                         | 330    | 9.3      |      | mg/Kg | 100 | 6/21/2020 3:13:58 PM  | 53155 |
| Surr: 1,2-Dichloroethane-d4            | 108    | 70-130   |      | %Rec  | 100 | 6/21/2020 3:13:58 PM  | 53155 |
| Surr: 4-Bromofluorobenzene             | 87.5   | 70-130   |      | %Rec  | 100 | 6/21/2020 3:13:58 PM  | 53155 |
| Surr: Dibromofluoromethane             | 103    | 70-130   |      | %Rec  | 100 | 6/21/2020 3:13:58 PM  | 53155 |
| Surr: Toluene-d8                       | 108    | 70-130   |      | %Rec  | 100 | 6/21/2020 3:13:58 PM  | 53155 |

Matrix: SOIL

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

Qualifiers:

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

- B Analyte detected in the associated Method Blank
- B Analyte detected in the associate

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

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Released to Imaging: 7/14/2021:9215404/AM

### **Analytical Report**

Lab Order 2006942

Date Reported: 6/24/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Project: Bootes 15 Fed Com 1H

Lab ID: 2006942-009

Client Sample ID: B-12 2'

Collection Date: 6/17/2020 11:47:00 AM

Received Date: 6/18/2020 11:10:00 AM

| Analyses                               | Result | RL       | Qual | Units | DF  | Date Analyzed         | Batch   |
|--|--------|----------|------|-------|-----|-----------------------|---------|
| EPA METHOD 300.0: ANIONS               |        |          |      |       |     | Analys                | t: MRA  |
| Chloride                               | 63     | 60       |      | mg/Kg | 20  | 6/22/2020 3:50:41 PM  | 53218   |
| EPA METHOD 8015D MOD: GASOLINE RANGE   |        |          |      |       |     | Analys                | t: JMR  |
| Gasoline Range Organics (GRO)          | 2800   | 490      |      | mg/Kg | 100 | 6/21/2020 3:42:44 PM  | 53155   |
| Surr: BFB                              | 100    | 70-130   |      | %Rec  | 100 | 6/21/2020 3:42:44 PM  | 53155   |
| EPA METHOD 8015M/D: DIESEL RANGE ORGA  | NICS   |          |      |       |     | Analys                | t: BRM  |
| Diesel Range Organics (DRO)            | 11000  | 460      |      | mg/Kg | 50  | 6/19/2020 11:53:11 PN | A 53169 |
| Motor Oil Range Organics (MRO)         | 5200   | 2300     |      | mg/Kg | 50  | 6/19/2020 11:53:11 PM | 53169   |
| Surr: DNOP                             | 0      | 55.1-146 | S    | %Rec  | 50  | 6/19/2020 11:53:11 PM | 1 53169 |
| EPA METHOD 8260B: VOLATILES SHORT LIST |        |          |      |       |     | Analys                | t: JMR  |
| Benzene                                | 24     | 2.5      |      | mg/Kg | 100 | 6/21/2020 3:42:44 PM  | 53155   |
| Toluene                                | 150    | 4.9      |      | mg/Kg | 100 | 6/21/2020 3:42:44 PM  | 53155   |
| Ethylbenzene                           | 100    | 4.9      |      | mg/Kg | 100 | 6/21/2020 3:42:44 PM  | 53155   |
| Xylenes, Total                         | 170    | 9.8      |      | mg/Kg | 100 | 6/21/2020 3:42:44 PM  | 53155   |
| Surr: 1,2-Dichloroethane-d4            | 110    | 70-130   |      | %Rec  | 100 | 6/21/2020 3:42:44 PM  | 53155   |
| Surr: 4-Bromofluorobenzene             | 98.2   | 70-130   |      | %Rec  | 100 | 6/21/2020 3:42:44 PM  | 53155   |
| Surr: Dibromofluoromethane             | 103    | 70-130   |      | %Rec  | 100 | 6/21/2020 3:42:44 PM  | 53155   |
| Surr: Toluene-d8                       | 106    | 70-130   |      | %Rec  | 100 | 6/21/2020 3:42:44 PM  | 53155   |

Matrix: SOIL

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

### Qualifiers:

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

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

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Released to Imaging: 7/14/2021: 9:15:04/AM

**Analytical Report** 

Lab Order 2006942

Date Reported: 6/24/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Project: Lab ID:

2006942-010

Bootes 15 Fed Com 1H

Matrix: SOIL

Client Sample ID: B-12 3'

Collection Date: 6/17/2020 11:47:00 AM

Received Date: 6/18/2020 11:10:00 AM

| Analyses                              | Result | RL       | Qual | Units | DF | Date Analyzed                | Batch          |
|---------------------------------------|--------|----------|------|-------|----|------------------------------|----------------|
| EPA METHOD 300.0: ANIONS              |        |          |      |       |    | Analyst                      | MRA            |
| Chloride                              | ND     | 60       |      | mg/Kg | 20 | 6/22/2020 <b>4</b> :03:01 PM | 53218          |
| EPA METHOD 8015D MOD: GASOLINE RANG   | E      |          |      |       |    | Analyst                      | JMR            |
| Gasoline Range Organics (GRO)         | 14     | 4.7      |      | mg/Kg | 1  | 6/21/2020 4:11:31 PM         | 53155          |
| Surr: BFB                             | 107    | 70-130   |      | %Rec  | 1  | 6/21/2020 <b>4</b> :11:31 PM | 53155          |
| EPA METHOD 8015M/D: DIESEL RANGE ORG  | ANICS  |          |      |       |    | Analyst:                     | BRM            |
| Diesel Range Organics (DRO)           | 640    | 92       |      | mg/Kg | 10 | 6/20/2020 12:03:17 AM        | 53169          |
| Motor Oil Range Organics (MRO)        | 490    | 460      |      | mg/Kg | 10 | 6/20/2020 12:03:17 AM        | 53169          |
| Surr: DNOP                            | 0      | 55.1-146 | S    | %Rec  | 10 | 6/20/2020 12:03:17 AM        | 53169          |
| EPA METHOD 8260B: VOLATILES SHORT LIS | Т      |          |      |       |    | Analyst:                     | JMR            |
| Benzene                               | 0.12   | 0.023    |      | mg/Kg | 1  | 6/21/2020 <b>4</b> :11:31 PM | 53155          |
| Toluene                               | 0.49   | 0.047    |      | mg/Kg | 1  | 6/21/2020 4:11:31 PM         | 53155          |
| Ethylbenzene                          | 0.33   | 0.047    |      | mg/Kg | 1  | 6/21/2020 4:11:31 PM         | 53155          |
| Xylenes, Total                        | 0.72   | 0.094    |      | mg/Kg | 1  | 6/21/2020 4:11:31 PM         | 53155          |
| Surr: 1,2-Dichloroethane-d4           | 106    | 70-130   |      | %Rec  | 1  | 6/21/2020 4:11:31 PM         | 53155          |
| Surr: 4-Bromofluorobenzene            | 79.2   | 70-130   |      | %Rec  | 1  | 6/21/2020 4:11:31 PM         | 531 <b>5</b> 5 |
| Surr: Dibromofluoromethane            | 104    | 70-130   |      | %Rec  | 1  | 6/21/2020 4:11:31 PM         | 5315 <b>5</b>  |
| Surr: Toluene-d8                      | 111    | 70~130   |      | %Rec  | 1  | 6/21/2020 4:11:31 PM         | 53155          |

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

E Value above quantitation range

Analyte detected below quantitation limits

Sample pH Not In Range

RLReporting Limit Page 10 of 19

Released to Imaging: 3/14/2021 92:15:04 AM

**Analytical Report** 

Lab Order 2006942

Date Reported: 6/24/2020

## Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: B-12 4'R

Project: Bootes 15 Fed Com 1H

Collection Date: 6/17/2020 11:47:00 AM

Lab ID: 2000

CLIENT: Talon Artesia

2006942-011 Matrix: SOIL

Received Date: 6/18/2020 11:10:00 AM

| Analyses                               | Result | RL       | Qual | Units | DF | Date Analyzed        | Batch |
|--|--------|----------|------|-------|----|----------------------|-------|
| EPA METHOD 300.0: ANIONS               |        |          |      |       |    | Analyst:             | MRA   |
| Chloride                               | 94     | 60       |      | mg/Kg | 20 | 6/22/2020 4:15:22 PM | 53218 |
| EPA METHOD 8015D MOD: GASOLINE RANGE   |        |          |      |       |    | Analyst:             | DJF   |
| Gasoline Range Organics (GRO)          | ND     | 4.9      |      | mg/Kg | 1  | 6/21/2020 2:04:41 AM | 53155 |
| Surr: BFB                              | 99.3   | 70-130   |      | %Rec  | 1  | 6/21/2020 2:04:41 AM | 53155 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGA  | NICS   |          |      |       |    | Analyst:             | BRM   |
| Diesel Range Organics (DRO)            | 650    | 47       |      | mg/Kg | 5  | 6/20/2020 1:43:34 PM | 53169 |
| Motor Oil Range Organics (MRO)         | 430    | 240      |      | mg/Kg | 5  | 6/20/2020 1:43:34 PM | 53169 |
| Surr: DNOP                             | 154    | 55.1-146 | S    | %Rec  | 5  | 6/20/2020 1:43:34 PM | 53169 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | •      |          |      |       |    | Analyst:             | DJF   |
| Benzene                                | ND     | 0.024    |      | mg/Kg | 1  | 6/21/2020 2:04:41 AM | 53155 |
| Toluene                                | ND     | 0.049    |      | mg/Kg | 1  | 6/21/2020 2:04:41 AM | 53155 |
| Ethylbenzene                           | ND     | 0.049    |      | mg/Kg | 1  | 6/21/2020 2:04:41 AM | 53155 |
| Xylenes, Total                         | ND     | 0.097    |      | mg/Kg | 1  | 6/21/2020 2:04:41 AM | 53155 |
| Surr: 1,2-Dichloroethane-d4            | 99.8   | 70-130   |      | %Rec  | 1  | 6/21/2020 2:04:41 AM | 53155 |
| Surr: 4-Bromofluorobenzene             | 101    | 70-130   |      | %Rec  | 1  | 6/21/2020 2:04:41 AM | 53155 |
| Surr: Dibromofluoromethane             | 102    | 70-130   |      | %Rec  | 1  | 6/21/2020 2:04:41 AM | 53155 |
| Surr: Toluene-d8                       | 103    | 70-130   |      | %Rec  | 1  | 6/21/2020 2:04:41 AM | 53155 |

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

### Qualifiers:

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

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

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Released to Imaging: 7/14/2021: 9:15:04/AM

### **Analytical Report**

Lab Order 2006942

Date Reported: 6/24/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-13 0-1'

Project: Bootes 15 Fed Com 1H Collection Date: 6/17/2020 12:12:00 PM

Lab ID:

2006942-012

Matrix: SOIL

Received Date: 6/18/2020 11:10:00 AM

| Analyses                               | Result | RL       | Qual | Units | DF | Date Analyzed        | Batch |
|--|--------|----------|------|-------|----|----------------------|-------|
| EPA METHOD 300.0: ANIONS               |        |          |      |       |    | Analyst              | MRA   |
| Chloride                               | ND     | 60       |      | mg/Kg | 20 | 6/22/2020 4:27:43 PM | 53218 |
| EPA METHOD 8015D MOD: GASOLINE RANGE   |        |          |      |       |    | Analyst              | DJF   |
| Gasoline Range Organics (GRO)          | 48     | 4.9      |      | mg/Kg | 1  | 6/21/2020 2:33:19 AM | 53155 |
| Surr: BFB                              | 103    | 70-130   |      | %Rec  | 1  | 6/21/2020 2:33:19 AM | 53155 |
| EPA METHOD 8015M/D: DIESEL RANGE ORGA  | NICS   |          |      |       |    | Analyst              | BRM   |
| Diesel Range Organics (DRO)            | ND     | 9.7      |      | mg/Kg | 1  | 6/20/2020 3:24:07 PM | 53182 |
| Motor Oil Range Organics (MRO)         | ND     | 48       |      | mg/Kg | 1  | 6/20/2020 3:24:07 PM | 53182 |
| Surr: DNOP                             | 89.1   | 55.1-146 |      | %Rec  | 1  | 6/20/2020 3:24:07 PM | 53182 |
| EPA METHOD 8260B: VOLATILES SHORT LIST |        |          |      |       |    | Analyst:             | DJF   |
| Benzene                                | 0.39   | 0.024    |      | mg/Kg | 1  | 6/21/2020 2:33:19 AM | 53155 |
| Toluene                                | 1.6    | 0.049    |      | mg/Kg | 1  | 6/21/2020 2:33:19 AM | 53155 |
| Ethylbenzene                           | 1.1    | 0.049    |      | mg/Kg | 1  | 6/21/2020 2:33:19 AM | 53155 |
| Xylenes, Total                         | 2.3    | 0.097    |      | mg/Kg | 1  | 6/21/2020 2:33:19 AM | 53155 |
| Surr: 1,2-Dichloroethane-d4            | 106    | 70-130   |      | %Rec  | 1  | 6/21/2020 2:33:19 AM | 53155 |
| Surr: 4-Bromofluorobenzene             | 62.6   | 70-130   | S    | %Rec  | 1  | 6/21/2020 2:33:19 AM | 53155 |
| Surr: Dibromofluoromethane             | 105    | 70-130   |      | %Rec  | 1  | 6/21/2020 2:33:19 AM | 53155 |
| Surr: Toluene-d8                       | 103    | 70-130   |      | %Rec  | 1  | 6/21/2020 2:33:19 AM | 53155 |

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

### Qualifiers:

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

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

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Released to Imaging: 7/14/202E 9:15:04/AM

**Analytical Report** 

Lab Order 2006942

Date Reported: 6/24/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Project: Bootes 15 Fed Com 1H

**Lab ID:** 2006942-013

Client Sample ID: B-13 2'R

**Collection Date:** 6/17/2020 12:12:00 PM

Received Date: 6/18/2020 11:10:00 AM

| Analyses                              | Result | RL       | Qual Units | DF | Date Analyzed        | Batch |
|---------------------------------------|--------|----------|------------|----|----------------------|-------|
| EPA METHOD 300.0: ANIONS              |        |          |            |    | Analyst              | MRA   |
| Chloride                              | ND     | 60       | mg/Kg      | 20 | 6/22/2020 5:04:47 PM | 53222 |
| EPA METHOD 8015D MOD: GASOLINE RANG   | E      |          |            |    | Analyst              | DJF   |
| Gasoline Range Organics (GRO)         | ND     | 5.0      | mg/Kg      | 1  | 6/21/2020 3:01:51 AM | 53155 |
| Surr: BFB                             | 99.4   | 70-130   | %Rec       | 1  | 6/21/2020 3:01:51 AM | 53155 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG  | ANICS  |          |            |    | Analyst              | BRM   |
| Diesel Range Organics (DRO)           | ND     | 10       | mg/Kg      | 1  | 6/20/2020 3:34:16 PM | 53182 |
| Motor Oil Range Organics (MRO)        | ND     | 50       | mg/Kg      | 1  | 6/20/2020 3:34:16 PM | 53182 |
| Surr: DNOP                            | 99.0   | 55.1-146 | %Rec       | 1  | 6/20/2020 3:34:16 PM | 53182 |
| EPA METHOD 8260B: VOLATILES SHORT LIS | Т      |          |            |    | Analyst              | DJF   |
| Benzene                               | ND     | 0.025    | mg/Kg      | 1  | 6/21/2020 3:01:51 AM | 53155 |
| Toluene                               | ND     | 0.050    | mg/Kg      | 1  | 6/21/2020 3:01:51 AM | 53155 |
| Ethylbenzene                          | ND     | 0.050    | mg/Kg      | 1  | 6/21/2020 3:01:51 AM | 53155 |
| Xylenes, Total                        | ND     | 0.099    | mg/Kg      | 1  | 6/21/2020 3:01:51 AM | 53155 |
| Surr: 1,2-Dichloroethane-d4           | 102    | 70-130   | %Rec       | 1  | 6/21/2020 3:01:51 AM | 53155 |
| Surr: 4-Bromofluorobenzene            | 97.6   | 70-130   | %Rec       | 1  | 6/21/2020 3:01:51 AM | 53155 |
| Surr: Dibromofluoromethane            | 102    | 70-130   | %Rec       | 1  | 6/21/2020 3:01:51 AM | 53155 |
| Surr: Toluene-d8                      | 109    | 70-130   | %Rec       | 1  | 6/21/2020 3:01:51 AM | 53155 |

Matrix: SOlL

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

Qualifiers:

Value exceeds Maximum Contaminant Level,

Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

D Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

E Value above quantitation range

Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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# Released to Imaging: 3/14/202189:15:04/AM

# **QC SUMMARY REPORT**

# Hall Environmental Analysis Laboratory, Inc.

WO#: 2006942

24-Jun-20

Client:

Talon Artesia

Project:

Bootes 15 Fed Com 1H

Sample ID: MB-53218

Prep Date: 6/22/2020

SampType: mblk

TestCode: EPA Method 300.0: Anions

Client ID: PBS

Batch ID: 53218

RunNo: 69820

Analysis Date: 6/22/2020

SeqNo: 2424460

Units: mg/Kg

HighLimit

**RPDLimit** %RPD Qual

Analyte Chloride

Result **PQL** ND 1.5

Sample ID: LCS-53218

6/22/2020

SampType: Ics

TestCode: EPA Method 300.0: Anions

Client ID: LCSS

Batch ID: 53218 Analysis Date: 6/22/2020 RunNo: 69820

SegNo: 2424461

Units: mg/Kg

110

Analyte

Prep Date:

SPK value SPK Ref Val

%REC

LowLimit

HighLimit

Chloride

15

Result

ND

**PQL** 1.5 15.00

97.2

90

%RPD **RPDLimit** 

Qual

Sample ID: MB-53222

SampType: mblk

SPK value SPK Ref Val %REC LowLimit

SPK value SPK Ref Val %REC LowLimit

TestCode: EPA Method 300.0: Anions

Client ID: PBS

Prep Date:

6/22/2020

Batch ID: 53222

Analysis Date: 6/22/2020

RunNo: 69820 SegNo: 2424491

Units: mg/Kg

%RPD

**RPDLimit** Qual

Qual

Analyte Chloride

SampType: lcs

TestCode: EPA Method 300.0: Anions

Client ID: LCSS Prep Date: 6/22/2020

Sample ID: LCS-53222

Batch ID: 53222

PQL

1.5

1.5

Analysis Date: 6/22/2020

15.00

RunNo: 69820

SeqNo: 2424492

LowLimit

Units: mg/Kg HighLimit

HighLimit

%RPD

**RPDLimit** 

Analyte Chloride

Result PQL

14

SPK value SPK Ref Val

%REC

96.1

90

110

### Qualifiers:

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

E Value above quantitation range

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit RT.

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Received by OCD: 6/22/2021 12:00:05/2M

# Received by OCD: 6/22/2021 12:00:05/2M

# QC SUMMARY REPORT

# Hall Environmental Analysis Laboratory, Inc.

WO#:

2006942

24-Jun-20

Client:

Talon Artesia

Project:

Bootes 15 Fed Com 1H

| Sample ID: LCS-53169        | Samp   | Гуре: <b>LC</b> | s         | Tes         | TestCode: EPA Method 8015M/D: Diesel Range Organics |          |             |      |          |      |  |
|-----------------------------|--|-----------------|-----------|-------------|---|----------|-------------|------|----------|------|--|
| Client ID: LCSS             | Batc   | Batch ID: 53169 |           |             | RunNo: <b>69757</b>                                 |          |             |      |          |      |  |
| Prep Date: 6/19/2020        | Analysis [   | Date: <b>6/</b> | 19/2020   | 5           | SeqNo: 2  | 421977   | Units: mg/M | (g   |          |      |  |
| Analyte                     | Result   | PQL             | SPK value | SPK Ref Val | %REC  | LowLimit | HighLimit   | %RPD | RPDLimit | Qual |  |
| Diesel Range Organics (DRO) | 51   | 10              | 50.00     | 0           | 102   | 70       | 130         |      |          |      |  |
| Surr: DNOP                  | 4.4  |                 | 5.000     |             | 88.0  | 55.1     | 146         |      |          | O    |  |
| Sample ID: MB-53169         | SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics |                 |           |             |   |          |             |      |          |      |  |

| Sample ID: MB-53169            | Sampi      | ype: ME       | SLK       | res         | icoue. Ei | PA Wethou | OUTSWILD: DI | ssei Kang | e Organics |      |
|--------------------------------|------------|---------------|-----------|-------------|-----------|-----------|--------------|-----------|------------|------|
| Client ID: PBS                 | Batch      | 1D: <b>53</b> | 169       | F           | RunNo: 6  | 9757      |              |           |            |      |
| Prep Date: 6/19/2020           | Analysis D | ate: 6/       | 19/2020   | 8           | SeqNo: 2  | 421979    | Units: mg/K  | g         |            |      |
| Analyte                        | Result     | PQL           | SPK value | SPK Ref Val | %REC      | LowLimit  | HighLimit    | %RPD      | RPDLimit   | Qual |
| Diesel Range Organics (DRO)    | ND         | 10            |           |             |           |           |              |           |            |      |
| Motor Oil Range Organics (MRO) | ND         | 50            |           |             |           |           |              |           |            |      |
| Surr: DNOP                     | 9.6        |               | 10.00     |             | 95.6      | 55.1      | 146          |           |            |      |

| Sample ID: LCS-53182        | SampT      | ype: LC         | S         | Tes         | tCode: E | PA Method | od 8015M/D; Diesel Range Organics |      |          |      |  |  |  |
|-----------------------------|------------|-----------------|-----------|-------------|----------|-----------|-----------------------------------|------|----------|------|--|--|--|
| Client ID: LCSS             | Batch      | n ID: <b>53</b> | 182       | F           | RunNo: 6 | 9768      |                                   |      |          |      |  |  |  |
| Prep Date: 6/19/2020        | Analysis D | ate: 6/         | 20/2020   | 5           | SeqNo: 2 | 422438    | Units: mg/h                       | √g   |          |      |  |  |  |
| Analyte                     | Result     | PQL             | SPK value | SPK Ref Val | %REC     | LowLimit  | HighLimit                         | %RPD | RPDLimit | Qual |  |  |  |
| Diesel Range Organics (DRO) | 49         | 10              | 50.00     | 0           | 98.1     | 70        | 130                               |      |          |      |  |  |  |
| Surr: DNOP                  | 4.8        |                 | 5.000     |             | 95.4     | 55.1      | 146                               |      |          |      |  |  |  |

| Sample ID: LCS-53184 | SampTy      | pe: LCS        | 8         | TestCode: EPA Method 8015M/D: Diesel Range Organics |          |          |              |      |          |      |  |  |
|----------------------|-------------|----------------|-----------|---|----------|----------|--------------|------|----------|------|--|--|
| Client ID: LCSS      | Batch I     | ID: <b>531</b> | 84        | F   | RunNo: 6 | 9768     |              |      |          |      |  |  |
| Prep Date: 6/19/2020 | Analysis Da | ite: 6/2       | 0/2020    | 8   | SeqNo: 2 | 422439   | Units: %Red  | c    |          |      |  |  |
| Analyte              | Result      | PQL            | SPK value | SPK Ref Val   | %REC     | LowLimit | HighLimit    | %RPD | RPDLimit | Qual |  |  |
| Surr: DNOP           | 6.4         |                | 5.000     |   | 128      | 55.1     | 1 <b>4</b> 6 |      |          |      |  |  |

| Sample ID: MB-53182            | SampT      | Гуре: М         | BLK       | Tes         | tCode: El | PA Method | 8015M/D: Di | esel Rang | e Organics |      |
|--------------------------------|------------|-----------------|-----------|-------------|-----------|-----------|-------------|-----------|------------|------|
| Client ID: PBS                 | Batcl      | h ID: <b>53</b> | 182       | F           | RunNo: 6  | 9768      |             |           |            |      |
| Prep Date: 6/19/2020           | Analysis D | Date: 6/        | 20/2020   | 5           | SeqNo: 2  | 422441    | Units: mg/M | (g        |            |      |
| Analyte                        | Result     | PQL             | SPK value | SPK Ref Val | %REC      | LowLimit  | HighLimit   | %RPD      | RPDLimit   | Qual |
| Diesel Range Organics (DRO)    | ND         | 10              |           |             |           |           |             |           |            |      |
| Motor Oil Range Organics (MRO) | ND         | 50              |           |             |           |           |             |           |            |      |
| Sur: DNOP                      | 11         |                 | 10.00     |             | 111       | 55.1      | 146         |           |            |      |

### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

% Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Dlank

E Value above quantitation range

Analyte detected below quantitation limits

P Sample pH Not In Range

II. Reporting Limit

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# Released to Imaging: 7/14/202E 9:15:04/AM

# **QC SUMMARY REPORT**

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2006942

**RPDLimit** 

24-Jun-20

Qual

Client:

Talon Artesia

Project:

Bootes 15 Fed Com 1H

Sample ID: MB-53184

SampType: MBLK

TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS

Batch ID: 53184

RunNo: 69768

Prep Date: 6/19/2020 Analysis Date: 6/20/2020

Units: %Rec

SeqNo: 2422442

Analyte

Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD Surr: DNOP 14 10.00 137 55.1 146

### Qualifiers:

Received by OCD: 6/22/2021 12:00:05/2M

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

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

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# Released to Imaging: 7/14/2021: 9:15:04/AM

# QC SUMMARY REPORT

# Hall Environmental Analysis Laboratory, Inc.

WO#:

2006942 24-Jun-20

Client:

Talon Artesia

Project:

Bootes 15 Fed Com 1H

| Sample ID: mb-53155         | Samp1      | Гуре: МВ          | 3LK       | TestCode: EPA Method 8260B: Volatiles Short List |                   |          |             |      |          |      |  |  |
|-----------------------------|------------|-------------------|-----------|--|-------------------|----------|-------------|------|----------|------|--|--|
| Client ID: PBS              | Batcl      | Batch ID: 53155   |           |  | RunNo: 69         | 9776     |             |      |          |      |  |  |
| Prep Date: 6/18/2020        | Analysis D | )ate: <b>6/</b> 2 | 20/2020   | S  | SeqNo: <b>2</b> 4 | 422516   | Units: mg/K |      |          |      |  |  |
| Analyte                     | Result     | PQL               | SPK value | SPK Ref Val                                      | %REC              | LowLimit | HighLimit   | %RPD | RPDLimit | Qual |  |  |
| Benzene                     | ND         | 0.025             |           |  |                   |          |             |      | ·        |      |  |  |
| Toluene                     | ND         | 0.050             |           |  |                   |          |             |      |          |      |  |  |
| Ethylbenzene                | ND         | 0.050             |           |  |                   |          |             |      |          |      |  |  |
| Xylenes, Total              | ND         | 0.10              |           |  |                   |          |             |      |          |      |  |  |
| Surr: 1,2-Dichloroethane-d4 | 0.48       |                   | 0.5000    |  | 95.7              | 70       | 130         |      |          |      |  |  |
| Surr: 4-Bromofluorobenzene  | 0.44       |                   | 0.5000    |  | 87.8              | 70       | 130         |      |          |      |  |  |
| Surr: Dibromofluoromethane  | 0.52       |                   | 0.5000    |  | 103               | 70       | 130         |      |          |      |  |  |
| Surr: Toluene-d8            | 0.56       |                   | 0.5000    |  | 112               | 70       | 130         |      |          |      |  |  |

| Sample ID: Ics-53155        | Samp       | Type: LC        | S4        | Tes         | tCode: El | PA Method | 8260B: Vola | tiles Short | List     |      |
|-----------------------------|------------|-----------------|-----------|-------------|-----------|-----------|-------------|-------------|----------|------|
| Client ID: BatchQC          | Batc       | h ID: <b>53</b> | 155       | F           | RunNo: 6  | 9776      |             |             |          |      |
| Prep Date: 6/18/2020        | Analysis [ | Date: <b>6/</b> | 20/2020   | 9           | SeqNo: 2  | 422517    | Units: mg/K | (g          |          |      |
| Analyte                     | Result     | PQL             | SPK value | SPK Ref Val | %REC      | LowLimit  | HighLimit   | %RPD        | RPDLimit | Qual |
| Benzene                     | 0.97       | 0.025           | 1.000     | 0           | 97.3      | 80        | 120         |             |          |      |
| Toluene                     | 1.0        | 0.050           | 1.000     | 0           | 103       | 80        | 120         |             |          |      |
| Ethylbenzene                | 1.0        | 0.050           | 1.000     | 0           | 103       | 80        | 120         |             |          |      |
| Xylenes, Total              | 3.3        | 0.10            | 3.000     | 0           | 110       | 80        | 120         |             |          |      |
| Surr: 1,2-Dichloroethane-d4 | 0.50       |                 | 0.5000    |             | 99.2      | 70        | 130         |             |          |      |
| Surr: 4-Bromofluorobenzene  | 0.47       |                 | 0.5000    |             | 93.9      | 70        | 130         |             |          |      |
| Surr: Dibromofluoromethane  | 0.51       |                 | 0.5000    |             | 103       | 70        | 130         |             |          |      |
| Surr: Toluene-d8            | 0.56       |                 | 0.5000    |             | 112       | 70        | 130         |             |          |      |

| Sample ID: 2006942-001ams   | SampT      | ype: MS           | 64        | TestCode: EPA Method 8260B: Volatiles Short List |                   |          |             |      |          |      |  |  |
|-----------------------------|------------|-------------------|-----------|--|-------------------|----------|-------------|------|----------|------|--|--|
| Client ID: B-10 0-1'        | Batcl      | h ID: <b>53</b> ' | 155       | F  | RunNo: <b>6</b> 9 | 9776     |             |      |          |      |  |  |
| Prep Date: 6/18/2020        | Analysis D | Date: 6/          | 20/2020   | 8  | SeqNo: 24         | 422519   | Units: mg/K | g    |          |      |  |  |
| Analyte                     | Result     | PQL               | SPK value | SPK Ref Val                                      | %REC              | LowLimit | HighLimit   | %RPD | RPDLimit | Qual |  |  |
| Benzene                     | 1.0        | 0.023             | 0.9183    | 0  | 108               | 71.1     | 115         |      |          |      |  |  |
| Toluene                     | 0.98       | 0.046             | 0.9183    | 0.02065  | 104               | 79.6     | 132         |      |          |      |  |  |
| Ethylbenzene                | 1.4        | 0.046             | 0.9183    | 0.5187   | 95.6              | 83.8     | 134         |      |          |      |  |  |
| Xylenes, Total              | 5.5        | 0.092             | 2.755     | 2.767  | 100               | 82.4     | 132         |      |          |      |  |  |
| Surr: 1,2-Dichloroethane-d4 | 0.46       |                   | 0.4591    |  | 101               | 70       | 130         |      |          |      |  |  |
| Surr: 4-Bromofluorobenzene  | 0.32       |                   | 0.4591    |  | 69.5              | 70       | 130         |      |          | S    |  |  |
| Sun: Dibromofluoromethane   | 0.48       |                   | 0.4591    |  | 105               | 70       | 130         |      |          |      |  |  |
| Surr: Toluene-d8            | 0.51       |                   | 0.4591    |  | 110               | 70       | 130         |      |          |      |  |  |

### Qualifiers:

Received by OCD: 6/22/2021 12:00:05/2M

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

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

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# Released to Imaging: 7/14/202B 9:15:04 AM

# QC SUMMARY REPORT

# Hall Environmental Analysis Laboratory, Inc.

WO#:

2006942

24-Jun-20

Client:

Talon Artesia

Project:

Bootes 15 Fed Com 1H

| Sample ID: 2006942-001ams   | l Samp∃    | Гуре: МS          | SD4       | Tes         | TestCode: EPA Method 8260B: Volatiles Short List |          |             |      |          |      |  |  |  |
|-----------------------------|------------|-------------------|-----------|-------------|--|----------|-------------|------|----------|------|--|--|--|
| Client ID: B-10 0-1'        | Batc       | h ID: <b>53</b> ′ | 155       | F           | RunNo: 6!  | 9776     |             |      |          |      |  |  |  |
| Prep Date: 6/18/2020        | Analysis D | Date: 6/          | 20/2020   | 8           | SeqNo: 24  | 422520   | Units: mg/K | ζg   |          |      |  |  |  |
| Analyte                     | Result     | PQL               | SPK value | SPK Ref Val | %REC   | LowLimit | HighLimit   | %RPD | RPDLimit | Qual |  |  |  |
| Benzene                     | 1.0        | 0.023             | 0.9390    | 0           | 109  | 71.1     | 115         | 3.08 | 20       |      |  |  |  |
| Toluene                     | 1.0        | 0.047             | 0.9390    | 0.02065     | 106  | 79.6     | 132         | 4.05 | 20       |      |  |  |  |
| Ethylbenzene                | 1.5        | 0.047             | 0.9390    | 0.5187      | 108  | 83.8     | 134         | 9.23 | 20       |      |  |  |  |
| Xylenes, Total              | 6,0        | 0.094             | 2.817     | 2.767       | 116  | 82.4     | 132         | 8.74 | 20       |      |  |  |  |
| Surr: 1,2-Dichloroethane-d4 | 0.49       |                   | 0.4695    |             | 105  | 70       | 130         | 0    | 0        |      |  |  |  |
| Surr: 4-Bromofluorobenzene  | 0.31       |                   | 0.4695    |             | 67.0   | 70       | 130         | 0    | 0        | S    |  |  |  |
| Surr: Dibromofluoromethane  | 0.52       |                   | 0.4695    |             | 110  | 70       | 130         | 0    | 0        |      |  |  |  |
| Surr: Toluene-d8            | 0.49       |                   | 0.4695    |             | 105  | 70       | 130         | 0    | 0        |      |  |  |  |

### Qualifiers:

Received by OCD: 6/22/2021 12:00:05PAM

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

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

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# Released to Imaging: 7/14/2021: 9:15:04/AM

# **QC SUMMARY REPORT**

## Hall Environmental Analysis Laboratory, Inc.

WO#:

2006942

24-Jun-20

Client:

Talon Artesia

Project:

Bootes 15 Fed Com 1H

| Sample ID: | mb-5315 |
|------------|---------|
| Client ID: | PRG     |

SampType: MBLK

TestCode: EPA Method 8015D Mod: Gasoline Range

Batch ID: 53155

RunNo: 69776

130

Prep Date: 6/18/2020 Analysis Date: 6/20/2020

SeqNo: 2422554

Units: mg/Kg

**RPDLimit** Qual

Gasoline Range Organics (GRO)

Surr: BFB

PQL Result ND 5.0 480

SPK value SPK Ref Val %REC

96.1

LowLimit

70

HighLimit

Sample ID: Ics-53155

SampType: LCS

TestCode: EPA Method 8015D Mod: Gasoline Range

Client ID: LCSS

Batch ID: 53155

RunNo: 69776

SeqNo: 2422555

Units: mg/Kg

%RPD

Analyte Gasoline Range Organics (GRO)

Prep Date: 6/18/2020 Analysis Date: 6/20/2020 Result **PQL** 

SPK value SPK Ref Val 25.00 500.0

500.0

%REC 81.4

HighLimit LowLimit 70 130 70 130 %RPD **RPDLimit** 

Qual

Surr: BFB Sample ID: 2006942-002ams

SampType: MS

TestCode: EPA Method 8015D Mod: Gasoline Range

Client ID: B-10 2'

Batch ID: 53155

Result

20

480

RunNo: 69776

%REC

84.3

Prep Date: 6/18/2020

Analysis Date: 6/20/2020

**PQL** 

5,0

SeqNo: 2422558

Units: mg/Kg

130

LowLimit HighLimit 70

%RPD **RPDLimit** Qual 130

Gasoline Range Organics (GRO) Surr: BFB

24.39 21 4.9 487.8 450

TestCode: EPA Method 8015D Mod: Gasoline Range

Client ID:

Analyte

Sample ID: 2006942-002amsd B-10 2'

SampType: MSD Batch ID: 53155

RunNo: 69776

70

70

Prep Date: Analyte

6/18/2020

Analysis Date: 6/20/2020

SeqNo: 2422559

Units: mg/Kg

Gasoline Range Organics (GRO) Surr: BFB

PQL Result 21 470

23.72 4.7 474.4

SPK value SPK Ref Val

SPK value SPK Ref Val

88.6 99.7

%REC LowLimit

HighLimit 70

130 130 %RPD 2.25

0

**RPDLimit** 

20

0

Qual

Qualifiers:

Received by OCD: 6/22/2021 12:00:05/2M

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit Practical Quantitative Limit

% Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

Value above quantitation range

Ê Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit Page 19 of 19

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

# Sample Log-In Check List

| Client Name: Talon Artesia   | Work Order Nun  | nber: 2006942                         |  | RcptNo: 1                           |
|--|---|---------------------------------------|--|-------------------------------------|
| Received By: Isaiah Ortiz  | 6/18/2020 11:10:0   | 0 AM                                  | I a 0-   | <del>/</del>                        |
| Completed By: Juan Rojas   | 6/18/2020 11:22:0   | 9 AM                                  | Junay  |                                     |
| Reviewed By: 5)A 6.18.20   | Gridizada Finzala   |                                       |  |                                     |
| 7/7/ V 10 10   |   |                                       |  |                                     |
| Chain of Custody   |   |                                       |  |                                     |
| 1. Is Chain of Custody complete?   |   | Yes 🔽                                 | No 🗌   | Not Present                         |
| 2. How was the sample delivered?   |   | Courier                               |  |                                     |
| <u>Log In</u>  |   |                                       |  |                                     |
| 3. Was an attempt made to cool the sample  | es?   | Yes 🗹                                 | No 🗀   | NA 🗀                                |
| 4. Were all samples received at a temperate  | ure of >0° C to 6.0°C   | Yes 🗹                                 | No □   | NA 🗌                                |
| 5. Sample(s) in proper container(s)?   |   | Yes 🗹                                 | No 🗀   |                                     |
| Sufficient sample volume for indicated tes   | st(s)?  | Yes 🔽                                 | No 🗀   |                                     |
| 7. Are samples (except VOA and ONG) prop   | perly preserved?  | Yes 🔽                                 | No 🗌   |                                     |
| 8. Was preservative added to bottles?  |   | Yes 🗌                                 | No 🗹   | NA 🗔                                |
| 9. Received at least 1 vial with headspace <   | 1/4" for AQ VOA?  | Yes 🗌                                 | No 🗌   | NA ☑                                |
| 10. Were any sample containers received bro  | oken?   | Yes                                   | No 🗹   | # of preserved                      |
|  |   |                                       |  | bottles checked                     |
| 11. Does paperwork match bottle labels?<br>(Note discrepancies on chain of custody)    |   | Yes 🔽                                 | No 🗆   | for pH:<br>(<2 or >12 unless noted) |
| 12. Are matrices correctly identified on Chain   | of Custody?   | Yes 🗹                                 | No 🗆   | Adjusted?                           |
| 13. Is it clear what analyses were requested?  |   | Yes 🗹                                 | No □   |                                     |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) |   | Yes 🔽                                 | No 🗍   | Checked by: MACHES                  |
| Special Handling (if applicable)   |   |                                       |  | 0 ' '                               |
| 15. Was client notified of all discrepancies wi  | th this order?  | Yes 🗌                                 | No 🗆   | NA 🗹                                |
| Person Notified:   | Date  |                                       |  |                                     |
| By Whom:   | Via:  | eMail F                               | Phone 🗌 Fax [  | In Person                           |
| Regarding:   |   |                                       |  |                                     |
| Client Instructions:   |   |                                       |  |                                     |
| 16. Additional remarks:  |   |                                       |  |                                     |
| 17. Cooler Information   | antanana kannara ya 19 anganta 18 a Santa (Santana an an an a | o o o o o o o o o o o o o o o o o o o | n andre e mine e consequence e e e e e e e e e e e e e e e e e e |                                     |
| Cooler No Temp °C Condition  | Seal Intact   Seal No   | Seal Date                             | Signed By  |                                     |
| 1 1.2 Good<br>2 1.1 Good   |   |                                       |  |                                     |
| £ [1.1   G000  |   |                                       |  |                                     |

Received by OCD: 6/22/2021 12:00:05/AM

|   | Chain-                    | of-Cu             | stody Record                | Turn-Around        | Time: 4-0                               | lav             |                        |   |  |                    |                    |  |               |  |                              |                   |                 |   |     |        |                      |
|---|---------------------------|-------------------|-----------------------------|--------------------|---|-----------------|------------------------|---|--|--------------------|--------------------|--|---------------|--|------------------------------|-------------------|-----------------|---|-----|--------|----------------------|
| Client  | Talon                     | 1 P A             | -                           | ☐ Standard         |   | /               |                        |   |  |                    |                    |  |               |  |                              |                   |                 |   | NT  |        |                      |
|   |                           |                   |                             | Project Name       |   |                 |                        |   |  |                    |                    |  |               |  |                              |                   |                 | K | ATC | K      | . 1                  |
| Mailir  | g Address:                |                   |                             | 0                  | - ~ /                                   | , , ,           |                        |   |  |                    |                    |  |               |  | ment                         |                   |                 |   |     |        |                      |
|   |                           | <u> 708</u>       | W Texas Ave                 | Project #          | 15 ted                                  | Lom IH          |                        |   | )1 Ha  |                    |                    |  |               |  |                              |                   |                 |   |     |        |                      |
| <u>Ár</u> I   | esia,,                    | VM .              | 88210<br>6-8768             | 1                  |   |                 |                        | Te                                      | 1. 50  | 5-34               | 5-39               | NAMES AND ADDRESS OF   | 3/21/20/20/20 | 342000 E0000   | discount of the last         | SHOW THE PARTY OF |                 | 7 |     |        |                      |
| Cmail   | <u> # / .</u><br>or Fax#: | <u>&gt; - / Y</u> | 6-8/68                      |                    | 343.01                                  |                 | 100                    |   |  |                    |                    | LANGE OF THE PARTY |               | 510-05000  | Req                          | Ues               |                 |   |     |        |                      |
|   | C Package:                |                   |                             | Project Mana       | ger:                                    |                 | (7)                    | only                                    | (RO  |                    |                    |  |               | 000  | S                            |                   |                 |   |     |        |                      |
|   | andard                    |                   | ☐ Level 4 (Full Validation) | 1 1 1 2            | 111                                     |                 | (80,                   | gas                                     | N (  |                    |                    | SIMS)  |               | 0,40   | CB                           |                   |                 |   |     |        |                      |
|   | ditation                  |                   | Lever + (r dir vandation)   | Devid A            | , ,                                     | -, 1 -          | TMB's (8021)           | E E                                     | DR(  |                    |                    | SII  |               | P,2  | 82 F                         |                   |                 |   |     |        | _                    |
| □ NE  | ELAP                      | □ Othe            | r                           | On Ice:            | <u>randon J</u><br>☑ Yes                | Inclair  No     | ≧                      | BTEX + MTBE + TPH (Gas only)            | TPH 3015B (GRO / DRO / MRO)  | TPH (Method 418.1) | EDB (Method 504.1) | 8270   |               | Anions (F(CI)NO3,NO2,PO4,SO4)  | 8081 Pesticides / 8082 PCB's |                   | 2               |   |     |        | (S                   |
|   | D (Type)_                 |                   |                             | Sample Tem         | perature:                               | 1.7-6 hal (1.2" | 38.4                   | 3E +                                    | (GR  | d 41               | d 50               |  | tals          | 2  | des                          |                   | 8270 (Semi-VOA) |   |     |        | Air Bubbles (Y or N) |
|   |                           |                   |                             |                    | _                                       | 1.7-0 PF 1.2"   | BTEX)+ MTBE            | M                                       | 15B  | othe               | etho               | PAH's (8310 or   | RCRA 8 Metals | 9  | stici                        | 8260B (VOA)       | -ime            |   |     |        | les (                |
| Date  | Time                      | Matrix            | Sample Request ID           | Type and #         | Preservative<br>Type                    | HEAL No.        | Å                      | +<br>×                                  |  | Ž                  | Š                  | }) s <sub> </sub>  | ξA 8          | ns (   | l Pe                         | )B (              | ) (Se           |   |     |        | dd d                 |
|   |                           |                   |                             | 1 7 5 5 5 11 12 12 | ,,,,,,                                  | 2006942         | BIE                    | BTE                                     | (百)  | 핕                  | EDE                | PAH  | 8             | Anio   | 308                          | 326(              | 327(            |   |     |        | li B                 |
| 6-17-   | 011:05                    | soil              | B-10 0-1'                   | 402 jar            | ice                                     | ~()O l          | 1                      |   |  |                    |                    |  |               | 7  |                              |                   | ~               |   |     | _      |                      |
|   | 11:05                     | 1                 | B-10 2                      |                    | *************************************** | -002            |                        |   |  |                    |                    |  |               | Ï  |                              |                   |                 |   |     |        |                      |
| W Parent State Company  | 10:05                     |                   | B-10 3                      |                    |   | -(0)2           |                        |   |  |                    |                    |  |               |  |                              |                   |                 |   |     | 1      |                      |
|   | 1:05                      |                   | 8-10 4                      |                    | 7                                       | -004            |                        |   |  |                    |                    |  |               | á  |                              |                   |                 |   |     |        |                      |
|   | 11:26                     |                   | B-11 D-1                    |                    |   | -00°            |                        |   | To the same of the | 1                  |                    |  |               |  |                              |                   |                 |   |     | -      |                      |
| estando de la composição | 11:26                     |                   | B-11 2                      |                    |   | -006            |                        | *************************************** |  |                    |                    |  |               | A Company of the Comp |                              |                   |                 |   |     |        |                      |
| · ·   | 11:26                     |                   | B-11 3 R                    |                    |   | -007            |                        |   | 170  |                    |                    |  |               |  | -                            |                   |                 |   |     | $\top$ |                      |
|   | 11:47                     |                   | 8-12 0-1                    |                    |   | ~00S            | And the second         |   |  |                    |                    |  |               | office of the same   |                              |                   |                 |   |     |        |                      |
| - Land  | 11:47                     |                   | 8-17 2                      |                    | ***                                     | ~()09           | Control of the Control |   | 1  |                    |                    |  |               |  |                              |                   |                 |   |     | 十      |                      |
| ***************************************   | 11:47                     |                   | 8-12 3                      |                    |   | -010            |                        |   |  |                    |                    |  |               | e Brath Merce  |                              |                   |                 |   |     |        |                      |
|   | U:47                      |                   | 8-17 4'R                    |                    |   | -011            |                        |   | 100000   |                    |                    | ľ  |               | -  |                              |                   |                 |   |     |        |                      |
|   | 12:12                     |                   | B-13 0-1                    |                    | <u>-</u>                                | -012            |                        |   | ,  |                    |                    |  |               | T.   |                              |                   |                 |   |     |        |                      |
| Date:   | Time:                     | Relinquish        | ed by:                      | Received By: //    | _                                       | Date Time       | Rer                    | narks                                   | 5:   | •                  |                    | · · · · · ·  |               |  | l                            | ·                 | ·····           |   |     |        |                      |
| 6/17/20   |                           | 12                | <u>Al</u>                   | M                  |   | 6/17/20 1400    |                        |   |  |                    |                    |  |               |  |                              |                   | ,               |   |     |        |                      |
| Date:   | Time:                     | Rélinquish        | ·-                          | Received by:       |   | Date Time       |                        |   |  |                    |                    |  |               |  |                              |                   |                 |   | _   | 1      |                      |
| 4/11/1  | 00010                     | 1 a Cluv          | Im-p                        | 15-0-              | Courin                                  | 6/18/20 1110    |                        |   |  |                    |                    |  |               |  |                              |                   |                 |   | 79  | ; 0    | f 2                  |

|             | hain.       | -of-Cu      | istody Record                            | Turn-Around           | Time: 4-0             | 1 01/                               |                   |   |              |                         |                    |                    |  |  |                              |                 |                 |     |              |     |                      |
|-------------|-------------|-------------|--|-----------------------|-----------------------|-------------------------------------|-------------------|---|--------------|-------------------------|--------------------|--------------------|--|--|------------------------------|-----------------|-----------------|-----|--------------|-----|----------------------|
| Client:     | Talou       | / P         | Ε  | ]<br>                 | r<br>□ Rush           | , "Y                                | -                 |   |              |                         |                    |                    |  |  |                              |                 |                 |     | NT.          |     |                      |
|             |             | 1-1         |  | Project Name          |                       |                                     |                   |   |              |                         | A                  | N/                 |  | /SI  | SI                           | a.              | 30              | R.A | TO           | RY  | 7                    |
| Mailing     | Address     | •           |  | 1                     |                       |                                     |                   | 122   |              | Section.                | ٧                  | vww.               | .halle   | nviro                                      | nmer                         | tal.c           | om              |     |              |     |                      |
|             | 7 (00) 000  | 408         | W Texas Ave<br>88210                     | Bootes                | 15 Fed                | Com                                 | 1H                |   | 49           | 01 H                    | awkir              | ıs Ni              | Ξ-,  | Albuq                                      | uerqu                        | ıe. N           | M 87            | 109 |              |     |                      |
| Arte        | SiAi        | N N         | 88210                                    | Project #:            |                       |                                     |                   |   |              |                         | 5-34               |                    |  |  | 505                          |                 |                 |     |              |     |                      |
| Phone       | #: <u>5</u> | <u>5-74</u> | 88210<br>6-8768                          | 700794                | 343.01                |                                     |                   |   |              |                         |                    |                    | es en estado en estado en estado en estado en estado en estado en estado en estado en estado en estado en esta | alysi                                      | Shiring and the              | STRUMBER OF THE | and the same    |     |              |     |                      |
| email o     |             |             |  | Project Mana          |                       |                                     |                   |   | S            | 0)                      |                    |                    |  | Water March                                |                              |                 | (180/00)        |     |              |     |                      |
| QA/QC (     | Package:    |             |  |                       |                       |                                     |                   | )21,  | on s         | MR                      |                    |                    |  | Sol  | J.s                          |                 |                 |     |              | -   |                      |
| □ Stan      | idard       |             | ☐ Level 4 (Full Validation)              | David 1               | ld k in s             |                                     |                   | TMB's (8021)                                  | Gas          | TPH 8015B (GRO/DRO/MRO) |                    | İ                  | SIMS)  | RCRA 8 Metals Anions (F(C)NO3,NO3,PO3,SO3) | 8081 Pesticides / 8082 PCB's |                 |                 |     |              |     |                      |
| Accred      |             |             |  | ì                     | randon S              | · :                                 |                   | 4B's  | _<br>۲       | DR                      |                    |                    | 0.8  | 9.6  | 382                          |                 |                 |     |              | -   |                      |
| O NEL       |             | □ Othe      | Pf                                       | On Ice:               | 图 Yes                 | □ No                                | takan sa satu sa  | 1 1   | <br> -<br> - | 02                      | 18.1               | 2.                 | 8270   | Ž  | 8/                           |                 | 2               |     |              |     | Z                    |
|             | (Type)      |             |  | Sample Tem            | perature: /           | 2-0 b                               | -112              |   | H H          | (GF                     | d 4,               | d 55               | Ö.   |  | des                          |                 | 9               |     |              |     | \<br>\               |
|             |             |             |  |                       |                       | 1.1-01                              | `  Li-c           | Σ   | Σ            | 5B                      | et!                | 뜵                  | 3310   | § 6  | stici                        | \Q/             | im:             |     |              |     | es (                 |
| Date        | Time        | Matrix      | Sample Request ID                        | Type and #            | Preservative<br>Type  | HEA                                 | L No.             | *   | +<br>×       | 30                      | Š                  | Ĕ                  | 3) S   | A 8  | Pe                           | B               | SS)             |     |              |     | lggi                 |
|             |             |             |  | Type and #            | , ybe                 | 700C                                | 9u7               | BTEX)+ MTBE                                   | 1            | H.                      | TPH (Method 418.1) | EDB (Method 504.1) | PAH's (8310 or   | RCRA 8 Metals<br>Anions (F.CI)NC           | 081                          | 8260B (VOA)     | 8270 (Semi-VOA) |     |              |     | Air Bubbles (Y or N) |
| 6-17-20     | 1212        | coil        | B-13 2 R                                 | 11                    | 7 - 4                 |                                     |                   | \ <u>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</u> | <u> </u>     | 47                      | -                  | <u> </u>           |  | Y A  | ®                            | 8               | 88              |     |              | -   | 12                   |
| 0           | 1/2-11/2-   | 2011        | 0-1-5 2 K                                | 402 jar               | 1662                  | - (                                 | 213               | V   |              | V                       |                    |                    |  | <u> </u>                                   |                              |                 |                 |     |              |     |                      |
| <del></del> |             |             |  |                       |                       |                                     |                   |   |              |                         |                    |                    |  |  |                              |                 |                 |     |              |     |                      |
|             | <u> </u>    |             |  |                       |                       |                                     |                   |   |              |                         |                    |                    |  |  |                              |                 |                 | *** |              |     |                      |
|             |             |             |  |                       |                       |                                     |                   |   |              |                         |                    |                    |  |  |                              |                 |                 |     |              |     |                      |
|             |             |             |  |                       |                       |                                     |                   |   |              |                         |                    | -                  |  |  |                              | <u> </u>        |                 |     | -            | +   | +                    |
|             |             |             |  |                       |                       |                                     |                   |   |              |                         | -                  | $\dashv$           | -  |  |                              |                 |                 |     | _            | -   | +                    |
|             |             |             |  |                       |                       |                                     |                   |   |              |                         |                    | -                  |  |  |                              |                 |                 |     | _            |     | 1                    |
|             |             |             |  |                       |                       |                                     |                   |   |              |                         | _                  |                    |  |  | -                            |                 |                 |     |              |     |                      |
|             | <br>        |             |  |                       |                       |                                     |                   |   |              |                         |                    |                    |  |  |                              |                 |                 |     |              |     |                      |
|             | 1           |             |  |                       |                       |                                     |                   |   |              |                         |                    |                    |  |  |                              |                 |                 |     |              |     |                      |
|             |             |             |  |                       |                       |                                     |                   |   |              |                         |                    | -                  |  |  |                              |                 |                 |     |              |     |                      |
|             | ļ           |             |  |                       |                       |                                     |                   |   |              |                         |                    |                    |  |  |                              |                 |                 |     |              | -   |                      |
|             |             |             |  |                       |                       |                                     |                   |   |              |                         |                    |                    |  |  | <u> </u>                     |                 |                 |     |              |     | +                    |
| Date:       | Time:       | Relinquish  | ed by:                                   | Received by:          |                       | Date                                | Time              | Ren   | narks        | <br>S:                  |                    |                    | 1  |  |                              | <u> </u>        | L               |     |              |     | 4                    |
| 17/20       | 1100        | 4/2-        | K-                                       | 1                     |                       | 6/17/2                              | 0148              |   |              |                         |                    |                    |  |  |                              |                 |                 |     |              |     |                      |
| Date:       | Time:       | Relinquish  | ed by:                                   | Received by:          |                       | Date                                | Time              |   |              |                         |                    |                    |  |  |                              |                 |                 |     |              |     |                      |
| 11/20       | 1900        | Collin      | Maria                                    |                       | - Coura               | 6/18/20                             | 1110              |   |              |                         |                    |                    |  |  |                              |                 |                 | į   | p 9 <u>2</u> | ے د | 2                    |
| V           | <u> </u>    | samples sub | mitted to Hall-Environmental may be subc | contracted to other a | ccredited laboratorie | <u>6   18 70</u><br>es. This serves | as notice of this | possit  | oility.      | Anv su                  | b-contra           | acted o            | iata wii   | ll be clea                                 | rly not                      | ated or         | · thn           |     |              |     |                      |



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

OrderNo.: 2008239

August 13, 2020

Brandon Sinclair Talon Artesia 408 West Texas Ave Artesia, NM 88210 TEL: FAX:

RE: Bootes 15 Fed Com 1H

Dear Brandon Sinclair:

Hall Environmental Analysis Laboratory received 8 sample(s) on 8/6/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Released to Imaging: 3/14/202189:15:04/AM

Client Sample ID: B-11 4'

Collection Date: 8/4/2020 10:30:00 AM Received Date: 8/6/2020 8:00:00 AM

| Analyses                             | Result | RL       | Qual Units | DF | Date Analyzed         | Batch |
|--------------------------------------|--------|----------|------------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS             |        |          |            |    | Analyst               | : JMT |
| Chloride                             | ND     | 60       | mg/Kg      | 20 | 8/10/2020 6:49:50 PM  | 54292 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | SANICS |          |            |    | Analyst               | BRM   |
| Diesel Range Organics (DRO)          | 60     | 9.5      | mg/Kg      | 1  | 8/12/2020 10:29:00 AM | 54338 |
| Motor Oil Range Organics (MRO)       | ND     | 47       | mg/Kg      | 1  | 8/12/2020 10:29:00 AM | 54338 |
| Surr: DNOP                           | 111    | 30.4-154 | %Rec       | 1  | 8/12/2020 10:29:00 AM | 54338 |
| EPA METHOD 8015D: GASOLINE RANGE     |        |          |            |    | Analyst               | RAA   |
| Gasoline Range Organics (GRO)        | ND     | 24       | mg/Kg      | 5  | 8/7/2020 6:22:42 PM   | 54224 |
| Surr: BFB                            | 97.9   | 75.3-105 | %Rec       | 5  | 8/7/2020 6:22:42 PM   | 54224 |
| EPA METHOD 8021B: VOLATILES          |        |          |            |    | Analyst               | RAA   |
| Benzene                              | ND     | 0.12     | mg/Kg      | 5  | 8/7/2020 6:22:42 PM   | 54224 |
| Toluene                              | ND     | 0.24     | mg/Kg      | 5  | 8/7/2020 6:22:42 PM   | 54224 |
| Ethylbenzene                         | ND     | 0.24     | mg/Kg      | 5  | 8/7/2020 6:22:42 PM   | 54224 |
| Xylenes, Total                       | ND     | 0.49     | mg/Kg      | 5  | 8/7/2020 6:22:42 PM   | 54224 |
| Surr: 4-Bromofluorobenzene           | 105    | 80-120   | %Rec       | 5  | 8/7/2020 6:22:42 PM   | 54224 |

Matrix: SOIL

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

### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded Н

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Bootes 15 Fed Com 1H

2008239-001

Project:

Lab ID:

- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix

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

Page 1 of 13

Released to Imaging: 7/14/2021: 9:15:04/AM

Released to Imaging: 3/14/2021 92:15:04 AM

Analytical Report

Lab Order 2008239

Date Reported: 8/13/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

**Project:** Bootes 15 Fed Com 1H

Lab ID: 2008239-002

Client Sample ID: B-11 6'

Collection Date: 8/4/2020 10:35:00 AM

Received Date: 8/6/2020 8:00:00 AM

| Analyses                             | Result | RL       | Qual Units | DF | Date Analyzed         | Batch |
|--------------------------------------|--------|----------|------------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS             |        |          |            |    | Analyst:              | JMT   |
| Chloride                             | ND     | 60       | mg/Kg      | 20 | 8/10/2020 7:27:03 PM  | 54292 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | ANICS  |          |            |    | Analyst:              | BRM   |
| Diesel Range Organics (DRO)          | 190    | 10       | mg/Kg      | 1  | 8/10/2020 12:02:28 PM | 54229 |
| Motor Oil Range Organics (MRO)       | 180    | 50       | mg/Kg      | 1  | 8/10/2020 12:02:28 PM | 54229 |
| Surr: DNOP                           | 126    | 30.4-154 | %Rec       | 1  | 8/10/2020 12:02:28 PM | 54229 |
| EPA METHOD 8015D: GASOLINE RANGE     |        |          |            |    | Analyst:              | RAA   |
| Gasoline Range Organics (GRO)        | ND     | 25       | mg/Kg      | 5  | 8/7/2020 6:46:12 PM   | 54224 |
| Surr: BFB                            | 97.7   | 75.3-105 | %Rec       | 5  | 8/7/2020 6:46:12 PM   | 54224 |
| EPA METHOD 8021B: VOLATILES          |        |          |            |    | Analyst:              | RAA   |
| Benzene                              | ND     | 0.12     | mg/Kg      | 5  | 8/7/2020 6:46:12 PM   | 54224 |
| Toluene                              | ND     | 0.25     | mg/Kg      | 5  | 8/7/2020 6:46:12 PM   | 54224 |
| Ethylbenzene                         | ND     | 0.25     | mg/Kg      | 5  | 8/7/2020 6:46:12 PM   | 54224 |
| Xylenes, Total                       | ND     | 0.49     | mg/Kg      | 5  | 8/7/2020 6:46:12 PM   | 54224 |
| Surr: 4-Bromofluorobenzene           | 103    | 80-120   | %Rec       | 5  | 8/7/2020 6:46:12 PM   | 54224 |

Matrix: SOIL

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

### Qualifiers:

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

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

Page 2 of 13

# Released to Imaging: 7/14/202E 9:15:04/AM

**Analytical Report** 

Lab Order 2008239

Date Reported: 8/13/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Project: Bootes 15 Fed Com 1H

Lab ID: 2008239-003

Client Sample ID: B-11 8'

Collection Date: 8/4/2020 10:40:00 AM

Received Date: 8/6/2020 8:00:00 AM

| Analyses                            | Result | RL Q     | Qual Units | DF | Date Analyzed         | Batch |
|-------------------------------------|--------|----------|------------|----|-----------------------|-------|
| EPA METHOD 300.0: ANIONS            |        |          |            |    | Analyst               | JMT   |
| Chloride                            | ND     | 60       | mg/Kg      | 20 | 8/10/2020 7:39:27 PM  | 54292 |
| EPA METHOD 8015M/D: DIESEL RANGE OR | GANICS |          |            |    | Analyst               | BRM   |
| Diesel Range Organics (DRO)         | 220    | 9.9      | mg/Kg      | 1  | 8/10/2020 12:26:36 PM | 54229 |
| Motor Oil Range Organics (MRO)      | 200    | 49       | mg/Kg      | 1  | 8/10/2020 12:26:36 PM | 54229 |
| Surr: DNOP                          | 128    | 30.4-154 | %Rec       | 1  | 8/10/2020 12:26:36 PM | 54229 |
| EPA METHOD 8015D: GASOLINE RANGE    |        |          |            |    | Analyst:              | RAA   |
| Gasoline Range Organics (GRO)       | ND     | 24       | mg/Kg      | 5  | 8/7/2020 7:09:40 PM   | 54224 |
| Surr: BFB                           | 102    | 75.3-105 | %Rec       | 5  | 8/7/2020 7:09:40 PM   | 54224 |
| EPA METHOD 8021B: VOLATILES         |        |          |            |    | Analyst:              | RAA   |
| Benzene                             | ND     | 0.12     | mg/Kg      | 5  | 8/7/2020 7:09:40 PM   | 54224 |
| Toluene                             | ND     | 0.24     | mg/Kg      | 5  | 8/7/2020 7:09:40 PM   | 54224 |
| Ethylbenzene                        | ND     | 0.24     | mg/Kg      | 5  | 8/7/2020 7:09:40 PM   | 54224 |
| Xylenes, Total                      | ND     | 0.48     | mg/Kg      | 5  | 8/7/2020 7:09:40 PM   | 54224 |
| Surr: 4-Bromofluorobenzene          | 105    | 80-120   | %Rec       | 5  | 8/7/2020 7:09:40 PM   | 54224 |

Matrix: SOIL

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

### Qualifiers:

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

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

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Released to Imaging: 7/14/2021 92:15:04 AM

**Analytical Report** 

Lab Order 2008239

Date Reported: 8/13/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Bootes 15 Fed Com 1H

Lab ID: 2008239-004

Project:

Client Sample ID: B-12 6'

Collection Date: 8/4/2020 1:45:00 PM

Received Date: 8/6/2020 8:00:00 AM

| Analyses                           | Result  | RL (       | Qual Units | DF | Date Analyzed       | Batch |
|------------------------------------|---------|------------|------------|----|---------------------|-------|
| EPA METHOD 8015M/D: DIESEL RANGE O | RGANICS |            |            |    | Analyst             | BRM   |
| Diesel Range Organics (DRO)        | ND      | 9.8        | mg/Kg      | 1  | 8/7/2020 2:16:42 PM | 54229 |
| Motor Oil Range Organics (MRO)     | ND      | <b>4</b> 9 | mg/Kg      | 1  | 8/7/2020 2:16:42 PM | 54229 |
| Surr: DNOP                         | 110     | 30.4-154   | %Rec       | 1  | 8/7/2020 2:16:42 PM | 54229 |
| EPA METHOD 8015D: GASOLINE RANGE   |         |            |            |    | Analyst             | : RAA |
| Gasoline Range Organics (GRO)      | ND      | 4.7        | mg/Kg      | 1  | 8/7/2020 7:33:09 PM | 54224 |
| Surr: BFB                          | 93.8    | 75.3-105   | %Rec       | 1  | 8/7/2020 7:33:09 PM | 54224 |

Matrix: SOIL

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

### Qualifiers:

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

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

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Released to Imaging: 7/14/2021 92:15:04 AM

### **Analytical Report**

Lab Order 2008239

Date Reported: 8/13/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia Client Sample ID: B-12 8

 Project:
 Bootes 15 Fed Com 1H
 Collection Date: 8/4/2020 2:00:00 PM

 Lab ID:
 2008239-005
 Matrix: SOIL
 Received Date: 8/6/2020 8:00:00 AM

| Analyses                            | Result  | RL       | Qual Units | DF | Date Analyzed       | Batch |
|-------------------------------------|---------|----------|------------|----|---------------------|-------|
| EPA METHOD 8015M/D: DIESEL RANGE OF | RGANICS |          |            |    | Analyst             | : BRM |
| Diesel Range Organics (DRO)         | ND      | 9.6      | mg/Kg      | 1  | 8/7/2020 2:26:26 PM | 54229 |
| Motor Oil Range Organics (MRO)      | ND      | 48       | mg/Kg      | 1  | 8/7/2020 2:26:26 PM | 54229 |
| Surr: DNOP                          | 132     | 30.4-154 | %Rec       | 1  | 8/7/2020 2:26:26 PM | 54229 |
| EPA METHOD 8015D: GASOLINE RANGE    |         |          |            |    | Analyst             | : RAA |
| Gasoline Range Organics (GRO)       | ND      | 4.7      | mg/Kg      | 1  | 8/7/2020 8:43:22 PM | 54224 |
| Surr: BFB                           | 101     | 75.3-105 | %Rec       | 1  | 8/7/2020 8:43:22 PM | 54224 |

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

### Qualifiers:

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

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

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Released to Imaging: 7/14/2021 9215:04/2M

### **Analytical Report**

Lab Order 2008239

Date Reported: 8/13/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-14 0-1

Project:

Bootes 15 Fed Com 1H

Lab ID: 2008239-006

Matrix: SOIL

**Collection Date:** 8/4/2020 12:55:00 PM **Received Date:** 8/6/2020 8:00:00 AM

| Analyses                             | Result | RL Q     | ual Units | DF | Date Analyzed        | Batch |
|--------------------------------------|--------|----------|-----------|----|----------------------|-------|
| EPA METHOD 300.0: ANIONS             |        |          |           |    | Analyst              | : JMT |
| Chloride                             | ND     | 60       | mg/Kg     | 20 | 8/10/2020 8:16:40 PM | 54292 |
| EPA METHOD 8015M/D; DIESEL RANGE ORG | SANICS |          |           |    | Analyst              | BRM   |
| Diesel Range Organics (DRO)          | ND     | 8.8      | mg/Kg     | 1  | 8/7/2020 2:36:09 PM  | 54229 |
| Motor Oil Range Organics (MRO)       | ND     | 44       | mg/Kg     | 1  | 8/7/2020 2:36:09 PM  | 54229 |
| Surr: DNOP                           | 89.6   | 30.4-154 | %Rec      | 1  | 8/7/2020 2:36:09 PM  | 54229 |
| EPA METHOD 8015D: GASOLINE RANGE     |        |          |           |    | Analyst:             | RAA   |
| Gasoline Range Organics (GRO)        | ND     | 4.8      | mg/Kg     | 1  | 8/7/2020 9:06:44 PM  | 54224 |
| Surr: BFB                            | 101    | 75.3-105 | %Rec      | 1  | 8/7/2020 9:06:44 PM  | 54224 |
| EPA METHOD 8021B: VOLATILES          |        |          |           |    | Analyst:             | RAA   |
| Benzene                              | ND     | 0.024    | mg/Kg     | 1  | 8/7/2020 9:06:44 PM  | 54224 |
| Toluene                              | ND     | 0.048    | mg/Kg     | 1  | 8/7/2020 9:06:44 PM  | 54224 |
| Ethylbenzene                         | ND     | 0.048    | mg/Kg     | 1  | 8/7/2020 9:06:44 PM  | 54224 |
| Xylenes, Total                       | ND     | 0.095    | mg/Kg     | 1  | 8/7/2020 9:06:44 PM  | 54224 |
| Surr: 4-Bromofluorobenzene           | 110    | 80-120   | %Rec      | 1  | 8/7/2020 9:06:44 PM  | 54224 |

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

### Qualifiers:

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

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

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### **Analytical Report**

Lab Order 2008239

Date Reported: 8/13/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Bootes 15 Fed Com 1H

Project: Lab ID:

2008239-007

Matrix: SOIL

Client Sample ID: B-14 2'

Collection Date: 8/4/2020 12:55:00 PM

Received Date: 8/6/2020 8:00:00 AM

| Analyses                             | Result | RL       | Qual Units | DF | Date Analyzed        | Batch |
|--------------------------------------|--------|----------|------------|----|----------------------|-------|
| EPA METHOD 300.0: ANIONS             |        |          |            |    | Analyst:             | JMT   |
| Chloride                             | ND     | 60       | mg/Kg      | 20 | 8/10/2020 8:29:04 PM | 54292 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | SANICS |          |            |    | <b>A</b> nalyst:     | BRM   |
| Diesel Range Organics (DRO)          | ND     | 9.9      | mg/Kg      | 1  | 8/7/2020 2:45:54 PM  | 54229 |
| Motor Oil Range Organics (MRO)       | ND     | 49       | mg/Kg      | 1  | 8/7/2020 2:45:54 PM  | 54229 |
| Surr: DNOP                           | 79.0   | 30.4-154 | %Rec       | 1  | 8/7/2020 2:45:54 PM  | 54229 |
| EPA METHOD 8015D: GASOLINE RANGE     |        |          |            |    | Analyst:             | RAA   |
| Gasoline Range Organics (GRO)        | ND     | 4.9      | mg/Kg      | 1  | 8/7/2020 9:30:10 PM  | 54224 |
| Surr; BFB                            | 101    | 75.3-105 | %Rec       | 1  | 8/7/2020 9:30:10 PM  | 54224 |
| EPA METHOD 8021B: VOLATILES          |        |          |            |    | Analyst:             | RAA   |
| Benzene                              | ND     | 0.025    | mg/Kg      | 1  | 8/7/2020 9:30:10 PM  | 54224 |
| Toluene                              | ND     | 0.049    | mg/Kg      | 1  | 8/7/2020 9:30:10 PM  | 54224 |
| Ethylbenzene                         | ND     | 0.049    | mg/Kg      | 1  | 8/7/2020 9:30:10 PM  | 54224 |
| Xylenes, Total                       | ND     | 0.099    | mg/Kg      | 1  | 8/7/2020 9:30:10 PM  | 54224 |
| Surr: 4-Bromofluorobenzene           | 107    | 80-120   | %Rec       | 1  | 8/7/2020 9:30:10 PM  | 54224 |

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

### Qualifiers:

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

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

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# Released to Imaging: 7/14/2021: 9:15:04/AM

**Analytical Report** 

Lab Order 2008239

Date Reported: 8/13/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Project: Bootes 15 Fed Com 1H

Lab ID: 2008239-008

Client Sample ID: B-14 3'R

Collection Date: 8/4/2020 12:55:00 PM

Received Date: 8/6/2020 8:00:00 AM

| Analyses                             | Result | RL Q     | ual Units | DF | Date Analyzed        | Batch |
|--------------------------------------|--------|----------|-----------|----|----------------------|-------|
| EPA METHOD 300.0: ANIONS             |        |          |           |    | Analyst:             | JMT   |
| Chloride                             | ND     | 60       | mg/Kg     | 20 | 8/10/2020 8:41:29 PM | 54292 |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | BANICS |          |           |    | Analyst:             | BRM   |
| Diesel Range Organics (DRO)          | ND     | 9.9      | mg/Kg     | 1  | 8/7/2020 2:55:39 PM  | 54229 |
| Motor Oil Range Organics (MRO)       | ND     | 50       | mg/Kg     | 1  | 8/7/2020 2:55:39 PM  | 54229 |
| Surr: DNOP                           | 61.9   | 30.4-154 | %Rec      | 1  | 8/7/2020 2:55:39 PM  | 54229 |
| EPA METHOD 8015D: GASOLINE RANGE     |        |          |           |    | Analyst:             | RAA   |
| Gasoline Range Organics (GRO)        | ND     | 4.9      | mg/Kg     | 1  | 8/7/2020 9:53:35 PM  | 54224 |
| Surr: BFB                            | 99.1   | 75.3-105 | %Rec      | 1  | 8/7/2020 9:53:35 PM  | 54224 |
| EPA METHOD 8021B: VOLATILES          |        |          |           |    | Analyst:             | RAA   |
| Benzene                              | ND     | 0.025    | mg/Kg     | 1  | 8/7/2020 9:53:35 PM  | 54224 |
| Toluene                              | ND     | 0.049    | mg/Kg     | 1  | 8/7/2020 9:53:35 PM  | 54224 |
| Ethylbenzene                         | ND     | 0.049    | mg/Kg     | 1  | 8/7/2020 9:53:35 PM  | 54224 |
| Xylenes, Total                       | ND     | 0.098    | mg/Kg     | 1  | 8/7/2020 9:53:35 PM  | 54224 |
| Surr: 4-Bromofluorobenzene           | 106    | 80-120   | %Rec      | 1  | 8/7/2020 9:53:35 PM  | 54224 |

Matrix: SOIL

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

### Qualifiers:

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

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

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# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2008239

13-Aug-20

Client:

Talon Artesia

Project:

Bootes 15 Fed Com 1H

Sample ID: MB-54292

SampType: mblk

TestCode: EPA Method 300.0: Anions

Client ID: PBS

Batch ID: 54292

RunNo: 70965

Prep Date: 8/10/2020

Analysis Date: 8/10/2020

SeqNo: 2472350

Units: mg/Kg

**RPDLimit** 

Qual

Analyte

Result ND 1.5

SPK value SPK Ref Val %REC LowLimit

HighLimit

%RPD

Chloride

Sample ID: LCS-54292

SampType: Ics

TestCode: EPA Method 300.0: Anions RunNo: 70965

Client ID: LCSS Batch ID: 54292

SeqNo: 2472351

Units: mg/Kg

Prep Date:

8/10/2020

Analysis Date: 8/10/2020

SPK Ref Val

%REC

LowLimit

HighLimit

**RPDLimit** 

Qual

Analyte

SPK value

%RPD

Chloride

Result 14

1.5

PQL

15.00

91.3

110

## Qualifiers:

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

Value above quantitation range

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit

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# Received by OCD: 6/22/2021 12:00:05/2M

# QC SUMMARY REPORT

# Hall Environmental Analysis Laboratory, Inc.

WO#:

2008239

13-Aug-20

Client:

Talon Artesia

| Project: Bootes                              | 15 Fed Com 1H            |                           |                                |      |
|--|--------------------------|---------------------------|--------------------------------|------|
| Sample ID: LCS-54229                         | SampType: <b>LCS</b>     | TestCode: EPA Method      | 8015M/D: Diesel Range Organics |      |
| Client ID: LCSS                              | Batch ID: 54229          | RunNo: 70967              |                                |      |
| Prep Date: 8/6/2020                          | Analysis Date: 8/7/2020  | SeqNo: 2472657            | Units: mg/Kg                   |      |
| Analyte                                      | Result PQL SPK value     | SPK Ref Val %REC LowLimit | HighLimit %RPD RPDLimit        | Qual |
| Diesel Range Organics (DRO)                  | 63 10 50.00              | 0 125 70                  | 130                            |      |
| Surr: DNOP                                   | 6.6 5.000                | 131 30.4                  | 154                            |      |
| Sample ID: MB-54229                          | SampType: MBLK           | TestCode: EPA Method      | 8015M/D: Diesel Range Organics |      |
| Client ID: PBS                               | Batch ID: 54229          | RunNo: 70967              |                                |      |
| Prep Date: 8/6/2020                          | Analysis Date: 8/7/2020  | SeqNo: 2472660            | Units: mg/Kg                   |      |
| Analyte                                      | Result PQL SPK value     | SPK Ref Val %REC LowLimit | HighLimit %RPD RPDLimit        | Qual |
| Diesel Range Organics (DRO)                  | ND 10                    |                           |                                |      |
| Motor Oil Range Organics (MRO)<br>Surr: DNOP | ND 50<br>15 10.00        | 145 30.4                  | 154                            |      |
|  |                          |                           |                                |      |
| Sample ID: LCS-54255                         | SampType: <b>LCS</b>     |                           | 8015M/D: Diesel Range Organics |      |
| Client ID: LCSS                              | Batch ID: 54255          | RunNo: 70976              |                                |      |
| Prep Date: 8/7/2020                          | Analysis Date: 8/10/2020 | SeqNo: 2472908            | Units: %Rec                    |      |
| Analyte                                      |                          | SPK Ref Val %REC LowLimit | HighLimit %RPD RPDLimit        | Qual |
| Surr: DNOP                                   | 5.0 5.000                | 100 30.4                  | 154                            |      |
| Sample ID: MB-54255                          | SampType: MBLK           | TestCode: EPA Method      | 8015M/D: Diesel Range Organics |      |
| Client ID: PBS                               | Batch ID: 54255          | RunNo: 70976              |                                |      |
| Prep Date: <b>8/7/2020</b>                   | Analysis Date: 8/11/2020 | SeqNo: 2472909            | Units: %Rec                    |      |
| Analyte                                      | Result PQL SPK value     | SPK Ref Val %REC LowLimit | HighLimit %RPD RPDLimit        | Qual |
| Surr: DNOP                                   | 5.7 10.00                | 56.6 30.4                 | 154                            |      |
| Sample ID: MB-54338                          | SampType: MBLK           | TestCode: EPA Method      | 8015M/D: Diesel Range Organics |      |
| Client ID: PBS                               | Batch ID: 54338          | RunNo: 71011              |                                |      |
| Prep Date: <b>8/11/2020</b>                  | Analysis Date: 8/12/2020 | SeqNo: 2474097            | Units: mg/Kg                   |      |
| Analyte                                      | Result PQL SPK value     | SPK Ref Val %REC LowLimit | HighLimit %RPD RPDLimit        | Qual |
| Diesel Range Organics (DRO)                  | ND 10                    |                           |                                |      |
| Motor Oil Range Organics (MRO)               | ND 50<br>11 10.00        | 111 30.4                  | 154                            |      |
| Surr: DNOP                                   | 11 (0.00                 |                           |                                |      |
| Sample ID: LCS-54338                         | SampType: LCS            |                           | 3015M/D: Diesel Range Organics |      |
| Client ID: LCSS                              | Batch ID: 54338          | RunNo: 71011              |                                |      |
| Prep Date: 8/11/2020                         | Analysis Date: 8/12/2020 | SeqNo: <b>2474098</b>     | Units: mg/Kg                   |      |
| Analyte                                      | Result PQL SPK value     | SPK Ref Val %REC LowLimit | HighLimit %RPD RPDLimit        | Qual |

### Qualifiers:

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

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

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# Received by OCD: 6/22/2021 12:00:05/2M

# QC SUMMARY REPORT

# Hall Environmental Analysis Laboratory, Inc.

WO#: 2008239

13-Aug-20

Client:

Talon Artesia

Rootes 15 Fed Com 1H

| Project: Bootes             | 15 Fed Com 1H            |                                  |                          |
|-----------------------------|--------------------------|----------------------------------|--------------------------|
| Sample ID: LCS-54338        | SampType: L <b>CS</b>    | TestCode: EPA Method 8015M/      | D: Diesel Range Organics |
| Client ID: LCSS             | Batch ID: 54338          | RunNo: <b>71011</b>              |                          |
| Prep Date: 8/11/2020        | Analysis Date: 8/12/2020 | SeqNo: 2474098 Units:            | mg/Kg                    |
| Analyte                     | Result PQL SPK value     | SPK Ref Val %REC LowLimit HighL  | imit %RPD RPDLimit Qual  |
| Diesel Range Organics (DRO) | 55 10 50.00              | * ***                            | 130                      |
| Surr: DNOP                  | 5.1 5.000                | 101 30.4                         | 154                      |
| Sample ID: MB-54340         | SampType: MBLK           | TestCode: EPA Method 8015M/      | D: Diesel Range Organics |
| Client ID: PBS              | Batch ID: 54340          | RunNo: 71011                     |                          |
| Prep Date: 8/11/2020        | Analysis Date: 8/12/2020 | SeqNo: <b>2474101</b> Units:     | %Rec                     |
| Analyte                     | Result PQL SPK value     | SPK Ref Val %REC LowLimit HighL  | imit %RPD RPDLimit Qual  |
| Surr: DNOP                  | 12 10.00                 | 123 30.4                         | 154                      |
| Sample ID: LCS-54340        | SampType: <b>LCS</b>     | TestCode: EPA Method 8015M/I     | ): Diesel Range Organics |
| Client ID: LCSS             | Batch ID: 54340          | RunNo: 71011                     |                          |
| Prep Date: 8/11/2020        | Analysis Date: 8/12/2020 | SeqNo: <b>2474102</b> Units:     | %Rec                     |
| Analyte                     | Result PQL SPK value     | SPK Ref Val %REC LowLimit HighLi | imit %RPD RPDLimit Qual  |
| Surr: DNOP                  | 5.9 5.000                | 119 30.4                         | 154                      |
| Sample ID: LCS-54341        | SampType: LCS            | TestCode: EPA Method 8015M/L     | ): Diesel Range Organics |
| Client ID: LCSS             | Batch ID: 54341          | RunNo: 71030                     | İ                        |
| Prep Date: 8/11/2020        | Analysis Date: 8/12/2020 | SeqNo: 2474931 Units: 9          | %Rec                     |
| Analyte                     | Result PQL SPK value     | SPK Ref Val %REC LowLimit HighLi | mit %RPD RPDLimit Qual   |
| Surr: DNOP                  | 5.6 5.000                | 113 30.4                         | 154                      |
| Sample ID: <b>MB-54341</b>  | SampType: <b>MBLK</b>    | TestCode: EPA Method 8015M/D     | ); Diesel Range Organics |
| Client ID: PBS              | Batch ID: 54341          | RunNo: 71030                     |                          |
| Prep Date: 8/11/2020        | Analysis Date: 8/12/2020 | SeqNo: 2474933 Units: 9          | %Rec                     |
| Analyte                     | Result PQL SPK value     | SPK Ref Val %REC LowLimit HighLi | mit %RPD RPDLimit Qual   |
| Surr: DNOP                  | 13 10.00                 | 129 30.4 1                       | 54                       |

### Qualifiers:

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

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

# Received by OCD: 6/22/2021 12:00:05/AM

# **QC SUMMARY REPORT**

# Hall Environmental Analysis Laboratory, Inc.

WO#:

2008239

13-Aug-20

Client:

Talon Artesia

Project:

Bootes 15 Fed Com 1H

| Sample ID: ics-54224          | SampT      | ype: LC       | S         | Tes         | tCode: El | A Method           | 8015D: Gaso | line Rang | 9        |      |
|-------------------------------|------------|---------------|-----------|-------------|-----------|--------------------|-------------|-----------|----------|------|
| Client ID: LCSS               | Batch      | 1D: <b>54</b> | 224       | F           | RunNo: 70 | 0921               |             |           |          |      |
| Prep Date: 8/6/2020           | Analysis D | ate: 8/       | 7/2020    | 8           | SeqNo: 24 | 47048 <del>9</del> | Units: mg/K | (g        |          |      |
| Analyte                       | Result     | PQL           | SPK value | SPK Ref Val | %REC      | LowLimit           | HighLimit   | %RPD      | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 24         | 5.0           | 25.00     | 0           | 97.2      | 72.5               | 106         |           |          |      |
| Surr: BFB                     | 1100       |               | 1000      |             | 110       | 75.3               | 105         |           |          | S    |

| Sample ID: mb-54224           | SampT      | уре: М    | 3LK       | Tes         | TestCode: EPA Method 8015D: Gasoline Range |          |             |      |          |      |  |
|-------------------------------|------------|-----------|-----------|-------------|--|----------|-------------|------|----------|------|--|
| Client ID: PB\$               | Batch      | n ID: 54. | 224       | F           | RunNo: <b>7</b>                            | 0921     |             |      |          |      |  |
| Prep Date: 8/6/2020           | Analysis D | ate: 8/   | 7/2020    | S           | SegNo: 2                                   | 470491   | Units: mg/K | (g   |          |      |  |
| Analyte                       | Result     | PQL       | SPK value | SPK Ref Val | %REC                                       | LowLimit | HighLimit   | %RPD | RPDLimit | Qual |  |
| Gasoline Range Organics (GRO) | ND         | 5.0       |           |             |  |          |             |      |          |      |  |
| Surr: BFB                     | 980        |           | 1000      |             | 98.3                                       | 75.3     | 105         |      |          |      |  |

### Qualifiers:

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

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

Page 12 of 13

# QC SUMMARY REPORT

# Hall Environmental Analysis Laboratory, Inc.

WO#:

2008239

13-Aug-20

Client:

Talon Artesia

Project:

Bootes 15 Fed Com 1H

| Sample ID: LCS-54224       | Samp       | Гуре: LC        | s         | Tes         | tCode: El            | PA Method | 8021B: Volat | iles |          |      |
|----------------------------|------------|-----------------|-----------|-------------|----------------------|-----------|--------------|------|----------|------|
| Client ID: LCSS            | Batc       | Batch ID: 54224 |           |             | RunNo: 7 <b>0921</b> |           |              |      |          |      |
| Prep Date: 8/6/2020        | Analysis [ | Date: 8/        | 7/2020    | 8           | SeqNo: 2             | 470537    | Units: mg/K  | g    |          |      |
| Analyte                    | Result     | PQL             | SPK value | SPK Ref Val | %REC                 | LowLimit  | HighLimit    | %RPD | RPDLimit | Qual |
| Benzene                    | 0.94       | 0.025           | 1.000     | 0           | 94.1                 | 80        | 120          |      |          |      |
| Toluene                    | 0.98       | 0.050           | 1.000     | 0           | 97.7                 | 80        | 120          |      |          |      |
| Ethylbenzene               | 1.0        | 0.050           | 1.000     | 0           | 99.6                 | 80        | 120          |      |          |      |
| Xylenes, Total             | 3.0        | 0.10            | 3.000     | 0           | 99.8                 | 80        | 120          |      |          |      |
| Surr: 4-Bromofluorobenzene | 1.1        |                 | 1.000     |             | 109                  | 80        | 120          |      |          |      |

| Sample ID: mb-54224 Client ID: PBS |            | Гуре: <b>МЕ</b><br>h ID: <b>54</b> : |           |             | tCode: El<br>RunNo: <b>7</b> º |          |             |      |          |      |
|------------------------------------|------------|--------------------------------------|-----------|-------------|--------------------------------|----------|-------------|------|----------|------|
| Prep Date: 8/6/2020                | Analysis [ | Pate: 8/                             | 7/2020    | 9           | SeqNo: 2                       | 470539   | Units: mg/K | g    |          |      |
| Analyte                            | Result     | PQL                                  | SPK value | SPK Ref Val | %REC                           | LowLimit | HighLimit   | %RPD | RPDLimit | Qual |
| Benzene                            | ND         | 0.025                                |           |             |                                |          |             |      |          |      |
| Toluene                            | ND         | 0.050                                |           |             |                                |          |             |      |          |      |
| Ethylbenzene                       | ND         | 0.050                                |           |             |                                |          |             |      |          |      |
| Xylenes, Total                     | ND         | 0.10                                 |           |             |                                |          |             |      |          |      |
| Surr: 4-Bromofluorobenzene         | 1.1        |                                      | 1.000     |             | 106                            | 80       | 120         |      |          |      |

### Qualifiers:

Received by OCD: 6/22/2021 12:00:05PAM

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

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

Page 13 of 13



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

# Sample Log-In Check List

| Client News                      | Tolon Artosic                                     | Mark Owlean North          | har and    | 222A         | en eerste oog een tekken van kerste ook ook op een gegen de seer op een gegen de seer op een gegen de seer op  | RcptNo:  | 1   |
|----------------------------------|---|----------------------------|------------|--------------|--|--|---|
| Client Name:                     | Talon Artesia                                     | Work Order Num             | ider: 200  | 0239         |  | ксрию:   | 1   |
| Received By:                     | Juan Rojas  | 8/6/2020 8:00:00 A         | λM         |              | Harray   |  |   |
| Completed By:                    | Juan Rojas  | 8/6/2020 8:29:33 A         |            |              | Howas.   | . •  |   |
|                                  |   | } (                        | ****       |              | 7 2  |  |   |
| Reviewed By:                     | 1119-08   | 014/20                     |            |              |  |  |   |
| Chain of Cus                     | <u>tody</u>                                       | ,                          |            |              |  |  |   |
| 1. Is Chain of Co                | ustody complete?                                  |                            | Yes        | $\checkmark$ | No 🗀   | Not Present 🗌  |   |
| 2. How was the                   | sample delivered?                                 |                            | <u>Cou</u> | <u>ier</u>   |  |  |   |
| Log In                           |   |                            |            |              |  |  |   |
| 3. Was an attem                  | pt made to cool the sa                            | imples?                    | Yes        | <b>V</b>     | No 🗀   | NA 🗀   |   |
| 4. Were all samp                 | les received at a temp                            | perature of >0° C to 6.0°C | Yes        |              | No 🗸   | NA 🗀   |   |
|                                  |   |                            |            | Not Fro      |  |  |   |
| <ol><li>Sample(s) in p</li></ol> | proper container(s)?                              |                            | Yes        | <b>V</b>     | No 🗌   |  |   |
| 6. Sufficient samp               | ple volume for indicate                           | d test(s)?                 | Yes        | V            | No 🗌   |  |   |
| 7. Are samples (e                | except VOA and ONG;                               | properly preserved?        | Yes        | V            | No 🗌   |  |   |
| 8. Was preservat                 | ive added to bottles?                             |                            | Yes        |              | No 🗹   | NA 🗆   |   |
| 9. Received at lea               | ast 1 vial with headspa                           | ce <1/4" for AQ VOA?       | Yes        |              | No 🗌   | NA 🔽   | ,   |
| 10, Were any sam                 | ple containers receive                            | d broken?                  | Yes        |              | No 🗹   | # of proposed  | proprieta   |
|                                  |   |                            |            | _            |  | # of preserved<br>bottles checked  | are a serve |
|                                  | rk match bottle labels?<br>ncies on chain of cust |                            | Yes        | <b>V</b>     | No 🗀 📗   | for pH:<br>(<2 or :  | 12 unless noted)  |
| •                                | orrectly identified on C                          | **                         | Yes        | <b>v</b>     | No 🗆   | Adjusted? /  |   |
|                                  | analyses were reques                              |                            | Yes        |              | No 🗌   | **************************************   | السوالة السوالة   |
|                                  | g times able to be me                             |                            | Yes        |              | No 🗀   | Checked by:  | PA 8.6  |
|                                  | stomer for authorization                          |                            |            |              | Ĺ  |  |   |
| pecial Handli                    | ng (if applicable)                                |                            |            |              |  |  |   |
| 5, Was client noti               | ified of all discrepancie                         | es with this order?        | Yes        |              | No 🗆   | NA 🗹   |   |
| Person N                         | Notified:   | Date                       |            |              |  | £  |   |
| By Whor                          | n:  | Via:                       | []] еМа    | i 🔲 i        | Phone 🗌 Fax  | ☐ In Person  |   |
| Regardin                         | ıg:   |                            |            |              |  |  |   |
| Client Ins                       | structions:                                       |                            |            |              | The second secon | AND THE PROPERTY OF THE PROPER |   |
| 16. Additional rem               | arks:   |                            |            |              |  |  |   |
| 7. <u>Cooler inform</u>          | nation  |                            |            |              |  |  |   |
| Cooler No                        | Temp ºG   Condition                               | n Seal Intact Seal No      | Seal Da    | te           | Signed By  |  |   |
| 1                                | 3.3 Good  |                            |            |              |  |  |   |
| 3                                | 2.1 Good  |                            |            |              | ····   |  |   |
| <u>ا</u>                         | -0,4 Good   |                            |            |              |  |  |   |

Received by OCD: 6/22/2021 12:00:05/2M

| Chain-of-Custody Record                |                                       |              | Turn-Around                             | ا Time: پ  | 1-day           |                    |                          |        |                            |                    |                          |              |   |            |                 |                                 |       |   |             |        |
|--|---------------------------------------|--------------|---|--|-----------------|--------------------|--------------------------|--------|----------------------------|--------------------|--------------------------|--------------|---|------------|-----------------|---------------------------------|-------|---|-------------|--------|
| Client: Tales/LPE                      |                                       |              | ☑ Standard □ Rush                       |  |                 | HALL ENVIRONMENTAL |                          |        |                            |                    |                          |              |   |            |                 |                                 |       |   |             |        |
|  |                                       |              |   | Project Name:  |                 |                    | ANALYSIS LABORATORY      |        |                            |                    |                          |              |   |            | RY              |                                 |       |   |             |        |
| Mailing                                | Address                               |              |   | 4  |                 | -                  |                          |        |                            |                    | www                      | v.hai        | lenvi   | ronr       | nent            | tal.cc                          | om    |   |             |        |
|  | · · · · · · · · · · · · · · · · · · · | 408 1        | N Texas Ave/                            | Bostes   | 15 Fed          | Com (H             |                          | 49     | 01 H                       | lawki              | ns N                     | 1E -         | Albı  | Jque       | erqu            | e, Ni                           | M 871 | 109                                     |             |        |
|  | 45 (a)                                | NM           | 887 <u>10</u>                           | _  |                 |                    |                          | Te     | el. 50                     | 5-34               | 5-39                     | 975          | F   | ах         | 505-            | -345-                           | -4107 | ,                                       |             |        |
| Phone:                                 | ř.                                    |              |   | 700794   | 34301           |                    |                          |        | e-sat-st                   |                    |                          | ΞĀ           | naly  | SS         | Reg             | uest                            |       |   |             | \$ 148 |
| <u>email o</u>                         |                                       |              |   | Project Man  | ager:           |                    | =                        |        |                            |                    |                          |              | SO,   |            |                 | -                               |       | *************************************** |             |        |
| QA/QC Package:                         |                                       |              |   |  |                 |                    |                          | ΑĦ     | B's                        |                    | 8                        |              |   |            |                 | Ser                             |       |   |             |        |
| ☐ Standard ☐ Level 4 (Full Validation) |                                       |              | B Sinclair                              |  |                 | ) s,               | 0                        | PC     |                            | 8                  |                          | PO           |   |            | It/A            |                                 |       |   |             |        |
|  |                                       |              | empliance                               | Sampler: Brandon Sinclair On Ice: BYes   No  |                 |                    | TMB's (8021)             | Н      | 082                        | =                  | 827                      |              | 02,   |            |                 | Total Coliform (Present/Absent) |       |   |             |        |
| -D NEL                                 | AC<br>(Type)                          | ☐ Other      |   | On Ice:  | ∠ Yes           | □ No               | 1                        | စ္က    | 8/8                        | 504                | 0                        | တ            | <u>-</u>  |            | 8               | P                               |       |   |             |        |
| 1                                      | / (Type)                              |              |   | # of Coolers   | 3               | - 4 8/6/25         | i iii                    | 9      | icide                      | ροί                | 310                      | etal         | Š   |            | )-i             | Eï                              |       |   |             |        |
| Transfer or the same                   |                                       |              |   | Occident Ching   | (including CF). | Remarks            | BTEX/ MTBE/              | )15[   | 8081 Pesticides/8082 PCB's | EDB (Method 504.1) | PAHs by 8310 or 8270SIMS | 8            | CI,F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , | 8260 (VOA) | 8270 (Semi-VOA) | olife                           |       |   |             |        |
| <u>.</u>                               | -                                     |              | _                                       | Container  | Preservative    | HEAL No.           |                          | 腳      | 31 F                       | B                  | 문                        | R.           | щ   | 00         | 0.              | C                               |       |   |             |        |
| Date                                   | Time                                  | 3            | Sample Name                             | Type and #   | Туре            | 7008239            |                          |        | 80%                        |                    | ΡA                       | RC           | (E)   | 826        | 827             | Tot                             |       |   |             |        |
| 8-4-20                                 | 10:30                                 | soil.        | B-11 4                                  | 407 jar  | ice             | -601               | /                        |        |                            |                    |                          |              | $\sqrt{}$   |            |                 |                                 |       |   |             |        |
|  | 10:35                                 |              | B-11 6                                  |  |                 | -002               | /                        | /      |                            |                    |                          |              |   |            |                 |                                 |       |   | 1           |        |
|  | 10:40                                 |              | B-11 8'                                 |  |                 | 7003               | /                        |        |                            |                    |                          |              | $\overline{/}$  |            |                 |                                 |       |   |             |        |
|  | 13:45                                 |              | B-12 6                                  |  |                 | -cou(              |                          | Ž      |                            |                    | 1                        |              |   |            |                 |                                 |       |   | +           |        |
|  | 14:00                                 |              | B-12 8'                                 | i de la companya de l |                 | -not               |                          | Ż      |                            |                    | 1                        |              | $\neg \uparrow$   |            | ·               |                                 | _     |   | -           |        |
|  | 17:55                                 |              | B-14 O-1                                | 200  |                 | -00G               |                          | 7      |                            |                    |                          |              |   |            |                 |                                 |       | 1                                       | -           |        |
|  | 12:55                                 |              | B-14 2                                  |  |                 | -007               | /                        |        |                            |                    |                          |              | ,/  |            |                 |                                 |       |   |             |        |
|  | 12:55                                 |              | B-14 3 R                                | į  |                 | -00×               | $\sqrt{}$                | 1      |                            |                    |                          |              | $\overline{\ \ }$   |            |                 |                                 |       |   |             |        |
|  |                                       |              |   |  |                 |                    |                          |        |                            |                    |                          |              | <u> </u>  | •          |                 |                                 |       |   |             |        |
|  |                                       |              |   |  |                 |                    |                          |        |                            |                    |                          |              |   |            |                 | $\Box$                          |       |   |             |        |
|  |                                       |              |   |  |                 |                    |                          |        |                            | $\neg \uparrow$    |                          |              |   |            |                 | -                               |       | +                                       |             |        |
|  |                                       |              |   |  |                 |                    |                          |        |                            |                    | +                        |              | $\dashv$  |            |                 |                                 |       | -                                       | <u> </u>    |        |
| Date: Time: Relinquished by:           |                                       | Received by: | Received by: Via: Date Time             |  |                 | Remarks: 7:3-0=3.3 |                          |        |                            |                    |                          |              |   |            |                 |                                 |       |   |             |        |
| 85/20 1305 M &                         |                                       |              | 1                                       |  | 8/5/20 1305     |                    |                          |        | ェー:<br>フィ!                 | >- ⟨<br>- △        | سے اس<br>اس جنے اس       | 2 ]<br>2 - ) | ı   |            |                 |                                 |       |   |             |        |
| Date: Time: Relinquished by:           |                                       | Received by: |   |  |                 |                    | 7.1-0=7.1<br>-0.4-6=-0.4 |        |                            |                    |                          |              |   |            |                 |                                 |       |   |             |        |
| 8520                                   | 1900                                  |              | M                                       | 1/mal  | Courier         | 8/6/20 8:00        |                          |        |                            |                    | ,                        |              |   | ,          |                 |                                 |       |   |             |        |
| · (                                    | if necessary                          | samples sui  | mitted to Hall Environmental may be sul | contracted together  |                 |                    | t nagei                  | bilibe | Anven                      | 'h cont            | matra                    | data         |   | -1         |                 |                                 |       |   | <del></del> |        |



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

OrderNo.: 2008781

August 25, 2020

Brandon Sinclair Talon Artesia 408 West Texas Ave Artesia, NM 88210 TEL: FAX:

RE: Bootes 15 Fed Com 1H

Dear Brandon Sinclair:

Hall Environmental Analysis Laboratory received 3 sample(s) on 8/14/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Released to Imaging: 3/14/2021: 9:15:04/AM

Released to Imaging: 7/14/2021 92:15:04 AM

### **Analytical Report**

Lab Order 2008781

Date Reported: 8/25/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia Client Sample ID: B-11 10<sup>th</sup>

 Project:
 Bootes 15 Fed Com 1H
 Collection Date: 8/4/2020 10:40:00 AM

 Lab ID:
 2008781-001
 Matrix: SOIL
 Received Date: 8/14/2020 8:00:00 AM

| Analyses                         | Result     | RL       | Qna | Units | DF | Date Analyzed         | Batch |
|----------------------------------|------------|----------|-----|-------|----|-----------------------|-------|
| EPA METHOD 8015D MOD: GASOLINE   | RANGE      |          |     |       |    | Analyst               | : JMR |
| Gasoline Range Organics (GRO)    | ND         | 4.8      |     | mg/Kg | 1  | 8/17/2020 5:46:32 AM  | 54435 |
| Surr; BFB                        | 105        | 70-130   |     | %Rec  | 1  | 8/17/2020 5:46:32 AM  | 54435 |
| EPA METHOD 8015M/D: DIESEL RANGI | E ORGANICS |          |     |       |    | Analyst               | BRM   |
| Dieseł Range Organics (DRO)      | 320        | 9.5      | Н   | mg/Kg | 1  | 8/20/2020 10:51:04 AM | 54566 |
| Motor Oil Range Organics (MRO)   | 350        | 47       | Н   | mg/Kg | 1  | 8/20/2020 10:51:04 AM | 54566 |
| Surr: DNOP                       | 110        | 30.4-154 | Н   | %Rec  | 1  | 8/20/2020 10:51:04 AM | 54566 |

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

### Qualifiers:

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

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

Page 1 of 5

**Analytical Report** 

Lab Order 2008781

Date Reported: 8/25/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Project: Bootes 15 Fed Com 1H

Lab ID: 2008781-002 Client Sample ID: B-11 15'

Collection Date: 8/4/2020 10:50:00 AM

Received Date: 8/14/2020 8:00:00 AM

| Analyses                                  | Result | RL       | Qua | Units          | DF | Date Analyzed         | Batch |  |
|---|--------|----------|-----|----------------|----|-----------------------|-------|--|
| EPA METHOD 8015D MOD: GASOLINE            | RANGE  |          |     |                |    | Analyst               | JMR   |  |
| Gasoline Range Organics (GRO)             | ND     | 5.0      |     | mg/Kg          | 1  | 8/17/2020 6:14:58 AM  | 54435 |  |
| Surr: BFB                                 | 107    | 70-130   |     | %Rec           | 1  | 8/17/2020 6:14:58 AM  | 54435 |  |
| EPA METHOD 8015M/D: DIESEL RANGE ORGANICS |        |          |     |                |    | Analyst               | BRM   |  |
| Diesel Range Organics (DRO)               | 61     | 10       | Н   | m <b>g/K</b> g | 1  | 8/20/2020 11:39:07 AM | 54566 |  |
| Motor Oil Range Organics (MRO)            | 70     | 50       | Н   | mg/Kg          | 1  | 8/20/2020 11:39:07 AM | 54566 |  |
| Surr: DNOP                                | 109    | 30.4-154 | Н   | %Rec           | 1  | 8/20/2020 11:39:07 AM | 54566 |  |

Matrix: SOIL

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix

D Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

JQP Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

E Value above quantitation range

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit

Page 2 of 5

Analytical Report
Lab Order 2008781

Date Reported: 8/25/2020

# Hall Environmental Analysis Laboratory, Inc.

And the second s

CLIENT: Talon Artesia Client Sample ID: B-11 20'

 Project:
 Bootes 15 Fed Com 1H
 Collection Date: 8/4/2020 11:00:00 AM

 Lab ID:
 2008781-003
 Matrix: SOIL
 Received Date: 8/14/2020 8:00:00 AM

| Analyses                             | Result | RL       | Qua | Units | DF | Date Analyzed         | Batch   |
|--------------------------------------|--------|----------|-----|-------|----|-----------------------|---------|
| EPA METHOD 8015D MOD: GASOLINE RANG  | Ε      |          |     |       |    | Analys                | t: JMR  |
| Gasoline Range Organics (GRO)        | ND     | 4.9      |     | mg/Kg | 1  | 8/17/2020 6:43:23 AM  | 54435   |
| Surr: BFB                            | 101    | 70-130   |     | %Rec  | 1  | 8/17/2020 6:43:23 AM  | 54435   |
| EPA METHOD 8015M/D: DIESEL RANGE ORG | ANICS  |          |     |       |    | Analys                | t: BRM  |
| Diesel Range Organics (DRO)          | 120    | 9.2      | Н   | mg/Kg | 1  | 8/20/2020 12:03:07 PM | 1 54566 |
| Motor Oil Range Organics (MRO)       | 130    | 46       | Н   | mg/Kg | 1  | 8/20/2020 12:03:07 PM | 1 54566 |
| Surr: DNOP                           | 108    | 30.4-154 | Н   | %Rec  | 1  | 8/20/2020 12:03:07 PM | 1 54566 |

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

## Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- Holding times for preparation or analysis exceeded
- D Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
  - 8 % Recovery outside of range due to dilution or matrix

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

Page 3 of 5

# **QC SUMMARY REPORT**

# Hall Environmental Analysis Laboratory, Inc.

WO#:

2008781

25-Aug-20

Client:

Talon Artesia

Project:

Bootes 15 Fed Com 1H

| Sample ID: LCS-54566        | SampT      | SampType: LCS |           |             |          | TestCode: EPA Method 8015M/D: Diesel Range Organics |             |      |          |      |  |  |  |
|-----------------------------|------------|---------------|-----------|-------------|----------|---|-------------|------|----------|------|--|--|--|
| Client ID: LCSS             | Batch      | ID: <b>54</b> | 566       | F           | RunNo: 7 | 1215  |             |      |          |      |  |  |  |
| Prep Date: 8/20/2020        | Analysis D | ate: 8/       | 20/2020   | \$          | SegNo: 2 | 48 <b>436</b> 8                                     | Units: mg/k | (g   |          |      |  |  |  |
| Analyte                     | Result     | PQL           | SPK value | SPK Ref Val | %REC     | LowLimit  | HighLimit   | %RPD | RPDLimit | Qual |  |  |  |
| Diesel Range Organics (DRO) | 46         | 10            | 50.00     | 0           | 91.1     | 70  | 130         |      |          |      |  |  |  |
| Surr: DNOP                  | 4.6        |               | 5.000     |             | 91.4     | 30.4  | 154         |      |          |      |  |  |  |

| Sample ID: MB-54566            | SampT      | ype: ME       | BLK       | Tes         | TestCode: EPA Method 8015M/D: Diesel Range Organics |          |             |      |          |      |  |
|--------------------------------|------------|---------------|-----------|-------------|---|----------|-------------|------|----------|------|--|
| Client ID: PBS                 | Batch      | 1D: <b>54</b> | 566       | F           | RunNo: 7  | 1215     |             |      |          |      |  |
| Prep Date: 8/20/2020           | Analysis D | ate: 8/       | 20/2020   | S           | SeqNo: 2  | 484370   | Units: mg/K | (g   |          |      |  |
| Analyte                        | Result     | PQL           | SPK value | SPK Ref Val | %REC  | LowLimit | HighLimit   | %RPD | RPDLimit | Qual |  |
| Diesel Range Organics (DRO)    | ND         | 10            |           |             |   |          |             |      |          |      |  |
| Motor Oil Range Organics (MRO) | ND         | 50            |           |             |   |          |             |      |          |      |  |
| Surr: DNOP                     | 10         |               | 10.00     |             | 102   | 30.4     | 154         |      |          |      |  |

| Sample ID: 2008781-001AMS   | SampT      | ype: MS         | 3         | Tes         | tCode: El         | PA Method | 8015M/D: Di | esel Rang | e Organics |      |
|-----------------------------|------------|-----------------|-----------|-------------|-------------------|-----------|-------------|-----------|------------|------|
| Client ID: B-11 10'         | Batch      | 1D: <b>54</b> : | 566       | F           | RunNo: <b>7</b>   | 1215      |             |           |            |      |
| Prep Date: 8/20/2020        | Analysis D | ate: 8/         | 20/2020   | 5           | Seq <b>N</b> o: 2 | 485345    | Units: mg/k | (g        |            |      |
| Analyte                     | Result     | PQL             | SPK value | SPK Ref Val | %REC              | LowLimit  | HighLimit   | %RPD      | RPDLimit   | Qual |
| Diesel Range Organics (DRO) | 580        | 9.9             | 49.26     | 317.6       | 531               | 47.4      | 136         |           |            | SH   |
| Surr: DNOP                  | 5.7        |                 | 4.926     |             | 115               | 30.4      | 154         |           |            | Н    |

| Sample ID: 2008781-001AMSE  | SampTy      | /pe: MS       | SD        | Tes         | tCode: El                | PA Method | 8015M/D: Di | esel Rang | e Organics |      |
|-----------------------------|-------------|---------------|-----------|-------------|--------------------------|-----------|-------------|-----------|------------|------|
| Client ID: B-11 10'         | Batch       | ID: <b>54</b> | 566       | F           | RunNo: <b>7</b>          | 1215      |             |           |            |      |
| Prep Date: 8/20/2020        | Analysis Da | ate: 8/       | 20/2020   | 5           | Seq <b>N</b> o: <b>2</b> | 485346    | Units: mg/K | (g        |            |      |
| Analyte                     | Result      | PQL           | SPK value | SPK Ref Val | %REC                     | LowLimit  | HighLimit   | %RPD      | RPDLimit   | Qual |
| Diesel Range Organics (DRO) | 660         | 9.9           | 49.70     | 317.6       | 690                      | 47.4      | 136         | 13.1      | 43.4       | SH   |
| Surr: DNOP                  | 6.1         |               | 4.970     |             | 122                      | 30.4      | 154         | 0         | 0          | Н    |

## Qualifiers:

Value exceeds Maximum Contaminant Level.

Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

Value above quantitation range

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit

Page 4 of 5

Released to Imaging: 7/14/2021:9215:04/2M

# Released to Imaging: 7/14/2021:9:15:04/AM

# QC SUMMARY REPORT

# Hall Environmental Analysis Laboratory, Inc.

WO#:

2008781

25-Aug-20

Client:

Talon Artesia

Project:

Bootes 15 Fed Com 1H

| Sample ID: mb-54435           | Samp <sup>*</sup> | Гуре: <b>М</b> Е | BLK       | TestCode: EPA Method 8015D Mod: Gasoline Range |              |          |             |  |          |      |
|-------------------------------|-------------------|------------------|-----------|--|--------------|----------|-------------|--|----------|------|
| Client ID: PBS                | Batc              | Batch ID: 54435  |           |  | RunNo: 71117 |          |             |  |          |      |
| Prep Date: 8/15/2020          | Analysis I        | Date: 8/         | 16/2020   | S  | SeqNo: 2     | 479008   | Units: mg/K | (g                                     |          |      |
| Analyte                       | Result            | PQL              | SPK value | SPK Ref Val                                    | %REC         | LowLimit | HighLimit   | %RPD                                   | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND                | 5.0              |           |  |              |          |             |  |          |      |
| Surr: BFB                     | 520               |                  | 500.0     |  | 105          | 70       | 130         | ······································ |          |      |
| Sample ID: Ics-54435          | Sampl             | ype: LC          | s         | Tes  | tCode: El    | A Method | 8015D Mod:  | Gasoline                               | Range    |      |
| Client ID: LCSS               | Batcl             | h ID: <b>54</b>  | 135       | R  | tunNo: 7     | 1117     |             |  |          |      |

|                               | •          |               |           |             |                 |          |             |      | _        |      |
|-------------------------------|------------|---------------|-----------|-------------|-----------------|----------|-------------|------|----------|------|
| Client ID: LCSS               | Batch      | iD: <b>54</b> | 435       | F           | RunNo: <b>7</b> | 1117     |             |      |          |      |
| Prep Date: 8/15/2020          | Analysis D | ate: 8/       | 16/2020   | 9           | SeqNo: 2        | 479009   | Units: mg/K | g    |          |      |
| Analyte                       | Result     | PQL           | SPK value | SPK Ref Val | %REC            | LowLimit | HighLimit   | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 22         | 5.0           | 25.00     | 0           | 87.8            | 70       | 130         |      |          |      |
| Surr: BFB                     | 530        |               | 500.0     |             | 107             | 70       | 130         |      |          |      |

# Qualifiers:

Received by OCD: 6/22/2021 12:00:05/2M

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

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

Page 5 of 5



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

# Sample Log-In Check List

Released to Imaging: 7/14/2021:9:15:04/2M

|                                      |  | Website: clien   | ıts.hallenv        | ironmen           | ital,com    |               |  |  |
|--------------------------------------|--|--|--------------------|-------------------|-------------|---------------|--|--|
| Client Name:                         | Talon Artesia  | Work Order Num   | nber: <b>20</b> 0  | 8781              |             |               | RcptNo: 1                                | and the second s |
|                                      | Cheyenne Cason   | 8/14/2020 8:00:00  | AM                 |                   |             |               |  |  |
| Completed By:                        | Emily Mocho  | 8/14/2020 8:50:50  | AM                 |                   |             |               |  |  |
| Reviewed By:                         | 10   | 8/14/20  |                    |                   |             |               |  |  |
| Chain of Cus                         | <u>tody</u>  |  |                    |                   |             |               |  |  |
| 1. Is Chain of Co                    | ustody complete?   |  | Yes                | <b>✓</b>          | No          |               | Not Present                              | •  |
| 2. How was the                       | sample delivered?  |  | <u>Cou</u>         | <u>rier</u>       |             |               |  |  |
| <u>Log In</u><br>3. Was an attem     | npt made to cool the sam   | oles?  | Yes                | <b>V</b>          | No          |               | NA 🗆                                     |  |
| 4. Were all samp                     | oles received at a temper  | ature of >0° C to 6.0°C  | Yes                | <b>V</b>          | No          |               | NA $\square$                             |  |
| 5. Sample(s) in p                    | proper container(s)?   |  | Yes                | <b>✓</b>          | No          |               |  |  |
| 6. Sufficient same                   | ple volume for indicated t   | est(s)?  | Yes                | ✓                 | No l        |               |  |  |
|                                      | except VOA and ONG) pr   |  | Yes                | <b>✓</b>          |             |               |  |  |
|                                      | ive added to bottles?  |  | Yes                |                   | No [        | <b>y</b>      | NA 🗆                                     |  |
| 9. Received at lea                   | ast 1 vial with headspace  | <1/4" for AQ VOA?  | Yes                |                   | No l        |               | NA 🗹                                     |  |
| 10. Were any sam                     | nple containers received b   | oroken?  | Yes                |                   | No          | <b>V</b>      | # of preserved                           |  |
|                                      | rk match bottle labels?<br>ncies on chain of custody   | <b>'</b> )   | Yes                | ✓                 | No [        | ]             | bottles checked<br>for pH:<br>(52 or >12 | unless noted)  |
| 2. Are matrices co                   | orrectly identified on Cha   | in of Custody?   | Yes                | <b>y</b>          | No [        | $\supset \  $ | Adjusted?                                |  |
| 3. Is it clear what                  | analyses were requested  | 1?   |                    | <b>✓</b>          | No [        |               | Aud                                      | Stul20   |
|                                      | g times able to be met?<br>stomer for authorization.)  | i.   | Yes                | <b>y</b>          | No [        |               | Checked by:                              | 0011100  |
| pecial Handll                        | ng (if applicable)   |  |                    |                   |             |               |  |  |
| 15 Was client not                    | Ifled of all discrepancies   | with this order?   | Yes                |                   | No          |               | NA 🗹                                     |  |
| Person N                             | Notified:  | Date;  | Programman and the | Vicences, January | 14 24 71 °C | Arantusk"     |  |  |
| By Whor                              | r  | Via:   | □ еМа              | ii 🔲              | Phone 🔲     | Fax           | In Person                                |  |
| Regardir                             | Y  | and the second s | - v w A b          |                   |             | on a contract |  |  |
|                                      | structions:  |  |                    |                   |             |               |  |  |
| <ol><li>16. Additional rem</li></ol> | narks:   |  |                    |                   |             |               |  |  |
| 7. Cooler Inform<br>Cooler No        | nation Temp °C Condition 1.3 Good  | Seal Intact Seal No Not Present  | Seal Da            | ite               | Signed B    | y             |  |  |
| Page 1 of I                          | erte e un communité d'activité de la communité d'activité de la communité de la communité de la communité de l<br>La communité de la communité de la communité de la communité de la communité de la communité de la communité d | a  | · - · ·            |                   |             |               | an a a a a a a a a a a a a a a a a a a   | iralia II.   |

Received by OCD: 6/22/2021 12:00:05/2M

| Chain-of-Custody Record   | Turn-Around Time: 4-day                                 | HALL ENVIRONMENTAL   |  |  |  |  |  |  |  |
|---|---|--|--|--|--|--|--|--|--|
| Client:   | ☑ Standard ☐ Rush                                       | AMAIVETE LADORDATORO   |  |  |  |  |  |  |  |
|   | Project Name:   | www.hallenvironmental.com  |  |  |  |  |  |  |  |
| Mailing Address: ON File  | Brotec 15 For C 111                                     | 4901 Hawkins NE - Albuquerque, NM 87109  |  |  |  |  |  |  |  |
|   | Bootes 15 Fed Com 14                                    | Tel. 505-345-3975 Fax 505-345-4107   |  |  |  |  |  |  |  |
| Phone #:  | 790794.343.01   | Analysis Request   |  |  |  |  |  |  |  |
| email or Fax#:  | Project Manager:  |  |  |  |  |  |  |  |  |
| QA/QC Package:  | 1   | (021)<br>MRO)<br>3's<br>1's<br>1'S<br>(1'S<br>(1'S)<br>(1'S)   |  |  |  |  |  |  |  |
| ☐ Standard ☐ Level 4 (Full Validation)                          | B Singlair  | S (8 (8 (8 (9 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 /  |  |  |  |  |  |  |  |
| Accreditation:   Az Compliance                                  | Sampler: B Sinclair                                     | TMB's (8021) 7 DRO / MRO 8082 PCB's 4.1) - 8270SIMS NO <sub>2</sub> , PO <sub>4</sub> , SO ()  |  |  |  |  |  |  |  |
| ·□ NELAC □ Other  | On Ice:   | S or E (Pre (Pre )   |  |  |  |  |  |  |  |
| □ EDD (Type)  | # of Coolers: 4   Cooler Temp(including OF): See Pewife | DCG   Colored    |  |  |  |  |  |  |  |
|   | Temeste 1 Completion of the second                      | / M Meth Meth Meth Service Ser |  |  |  |  |  |  |  |
| Date Time Matrix Sample Name                                    | Container Preservative HEAL No.                         | BTEX / MTBE / TMB's (8021)  (PH)8015D(GRO / DRO / MRO) 8081 Pesticides/8082 PCB's EDB (Method 504.1) PAHs by 8310 or 8270SIMS CI, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> 8260 (VOA) Total Coliform (Present/Absent)  |  |  |  |  |  |  |  |
|   | Type and # Type 200878/                                 |  |  |  |  |  |  |  |  |
| 0-1-2010:40 S011 B-11 10  | 4 oz jar ice bol  |  |  |  |  |  |  |  |  |
| 16.30   18-11 13  | 002   |  |  |  |  |  |  |  |  |
| 11:00 B-1( 20   | 1 003   |  |  |  |  |  |  |  |  |
|   |   |  |  |  |  |  |  |  |  |
|   |   |  |  |  |  |  |  |  |  |
|   |   |  |  |  |  |  |  |  |  |
|   |   |  |  |  |  |  |  |  |  |
|   |   |  |  |  |  |  |  |  |  |
| ·   |   |  |  |  |  |  |  |  |  |
|   |   |  |  |  |  |  |  |  |  |
|   |   |  |  |  |  |  |  |  |  |
|   | 1   |  |  |  |  |  |  |  |  |
| Date: Time: Relinquished by                                     | Received by: Via: Date Time                             | Remarks: 1.300 = 1.30  |  |  |  |  |  |  |  |
| 113/2 0900 M  | 8/13/20 0900  | 1.300=1.30   |  |  |  |  |  |  |  |
| Date: Time: Relinquished by:                                    | Received by: Via: Date Time                             |  |  |  |  |  |  |  |  |
| 6/13/20 1900 (Oluman)   | CM Cam 8/14/20 0800                                     |  |  |  |  |  |  |  |  |
| If necessary samples submitted to Hall Engranmental may be suit |   | 1.49   |  |  |  |  |  |  |  |



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

August 28, 2020

Brandon Sinclair Talon Artesia 408 West Texas Ave Artesia, NM 88210 TEL: FAX:

RE: Bootes 15 Fed Com 1H

OrderNo.: 2008C85

Dear Brandon Sinclair:

Hall Environmental Analysis Laboratory received 2 sample(s) on 8/25/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the OC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

may

4901 Hawkins NE

Albuquerque, NM 87109

Released to Imaging: 3/14/2021: 9:15:04/AM

Released to Imaging: 3/14/2021: 9:15:04/AM

Analytical Report
Lab Order 2008C85

Date Reported: 8/28/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Project: Bootes 15 Fed Com 1H

Lab ID: 2008C85-001

Client Sample ID: B-11 25'

Collection Date: 8/19/2020 1:07:00 PM

Received Date: 8/25/2020 8:00:00 AM

| Analyses                        | Result     | RL       | Qual Units | DF | Date Analyzed         | Batch |
|---------------------------------|------------|----------|------------|----|-----------------------|-------|
| EPA METHOD 8015D MOD: GASOLINE  | RANGE      |          |            |    | Analysi               | JMR   |
| Gasoline Range Organics (GRO)   | ND         | 4.7      | mg/Kg      | 1  | 8/26/2020 5:00:43 PM  | 54677 |
| Surr; BFB                       | 104        | 70-130   | %Rec       | 1  | 8/26/2020 5:00:43 PM  | 54677 |
| EPA METHOD 8015M/D: DIESEL RANG | E ORGANICS |          |            |    | Analyst               | BRM   |
| Diesel Range Organics (DRO)     | ND         | 9.5      | mg/Kg      | 1  | 8/26/2020 11:33:14 PM | 54682 |
| Motor Oil Range Organics (MRO)  | ND         | 47       | mg/Kg      | 1  | 8/26/2020 11:33:14 PM | 54682 |
| Surr: DNOP                      | 86.7       | 30.4-154 | %Rec       | 1  | 8/26/2020 11:33:14 PM | 54682 |

Matrix: SOIL

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

### Qualifiers:

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

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

Page 1 of 4

Analytical Report Lab Order 2008C85

Date Reported: 8/28/2020

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia Client Sample ID: B-11 30'

 Project:
 Bootes 15 Fed Com 1H
 Collection Date: 8/19/2020 1:42:00 PM

 Lab ID:
 2008C85-002
 Matrix: SOIL
 Received Date: 8/25/2020 8:00:00 AM

| Analyses                        | Result     | RL (   | Qual Units | DF | Date Analyzed         | Batch  |
|---------------------------------|------------|--|------------|----|-----------------------|--------|
| EPA METHOD 8015D MOD: GASOLINE  | RANGE      | and the state of t |            |    | Analys                | t: JMR |
| Gasoline Range Organics (GRO)   | ND         | 5.0  | mg/Kg      | 1  | 8/26/2020 6:26:39 PM  | 54677  |
| Surr: BFB                       | 103        | 70-130   | %Rec       | 1  | 8/26/2020 6:26:39 PM  | 54677  |
| EPA METHOD 8015M/D: DIESEL RANG | E ORGANICS |  |            |    | Analys                | t: BRM |
| Diesel Range Organics (DRO)     | ND         | 9.9  | mg/Kg      | 1  | 8/26/2020 11:43:10 PM | 54682  |
| Motor Oil Range Organics (MRO)  | ND         | 49   | mg/Kg      | 1  | 8/26/2020 11:43:10 PM | 54682  |
| Surr: DNOP                      | 81.3       | 30.4-154   | %Rec       | 1  | 8/26/2020 11:43:10 PM | 54682  |

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 2 of 4

# Received by OCD: 6/22/2021 12:00:05/2M

# QC SUMMARY REPORT

# Hall Environmental Analysis Laboratory, Inc.

WO#:

2008C85 28-Aug-20

Client:

Talon Artesia

Project:

Bootes 15 Fed Com 1H

|                      | 10/00/4/4888           |  |    |
|----------------------|------------------------|--|----|
| Sample ID: LCS-54659 | SampType: LCS          | TestCode: EPA Method 8015M/D: Diesel Range Organics            |    |
| Client ID: LCSS      | Batch ID: 54659        | RunNo: 71390   |    |
| Prep Date: 8/25/2020 | Analysis Date: 8/26/20 | 2020 SeqNo: 2492004 Units: %Rec                                |    |
| Analyte              | Result PQL SPI         | PK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qua | al |
| Cure DNOD            | 45                     | 5,000 89.2 30.4 154  |    |

| Sample ID: LCS-54682        | SampT      | уре: LC           | S         | Tes         | tCode: El       | PA Method | 8015M/D: Die | sel Range | Organics |      |
|-----------------------------|------------|-------------------|-----------|-------------|-----------------|-----------|--------------|-----------|----------|------|
| Client ID: LCSS             | Batch      | n ID: <b>54</b> 6 | 382       | F           | RunNo: <b>7</b> | 1390      |              |           |          |      |
| Prep Date: 8/25/2020        | Analysis D | ate: 8/2          | 26/2020   | 5           | SeqNo: 24       | 492007    | Units: mg/K  | g         |          |      |
| Analyte                     | Result     | PQL               | SPK value | SPK Ref Val | %REC            | LowLimit  | HighLimit    | %RPD      | RPDLimit | Qual |
| Diesel Range Organics (DRO) | 43         | 10                | 50.00     | 0           | 87.0            | 70        | 130          |           |          |      |
| Surr: DNOP                  | 3.8        |                   | 5.000     |             | 75.4            | 30.4      | 154          |           |          |      |

|                      | Community of BADLIA      | TestCode: EPA Method 8015M/D: Diesel Range Organics       |
|----------------------|--------------------------|---|
| Sample ID: MB-54659  | SampType: MBLK           | restonce. EPA Wethou butswid. Dieser Kange Organics       |
| Client ID: PBS       | Batch ID: 54659          | RunNo: 71390  |
| Prep Date: 8/25/2020 | Analysis Date: 8/26/2020 | SeqNo: 2492008 Units: %Rec                                |
| Analyte              | Result PQL SPK valu      | ue SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual |
| Surr DNOP            | 8.7 10.0                 | 0 86.6 30.4 154   |

| Sample ID: MB-54682            | Samp <sup>-</sup> | Гуре: МЕ          | BLK       | Tes         | tCode: El | PA Method | 8015M/D: Die | sel Range | Organics |      |
|--------------------------------|-------------------|-------------------|-----------|-------------|-----------|-----------|--------------|-----------|----------|------|
| Client ID: PBS                 | Batc              | h ID: <b>54</b> 0 | 582       | F           | RunNo: 7  | 1390      |              |           |          |      |
| Prep Date: 8/25/2020           | Analysis [        | Date: 8/:         | 26/2020   | 5           | SeqNo: 24 | 492011    | Units: mg/K  | g         |          |      |
| Analyte                        | Result            | PQL               | SPK value | SPK Ref Val | %REC      | LowLimit  | HighLimit    | %RPD      | RPDLimit | Qual |
| Diesel Range Organics (DRO)    | ND                | 10                |           |             |           |           |              |           |          |      |
| Motor Oil Range Organics (MRO) | ND                | 50                |           |             |           |           |              |           |          |      |
| Surr: DNOP                     | 9.1               |                   | 10.00     |             | 90.8      | 30.4      | 154          |           |          |      |

## Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- D Not Detected at the Reporting Limit
- PQ1. Practical Quanitative Limit
  - % Recovery outside of range due to dilution or matrix

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

Page 3 of 4

# Received by OCD: 6/22/2021 12:00:05/2M

# QC SUMMARY REPORT

# Hall Environmental Analysis Laboratory, Inc.

WO#:

2008C85

28-Aug-20

Client:

Talon Artesia

Project:

Bootes 15 Fed Com 1H

| Sample ID: Ics-54677          | Samp1      | ype: LC           | S            | Tes         | tCode: El         | PA Method | 8015D Mod:   | Gasoline F | lange    |      |
|-------------------------------|------------|-------------------|--------------|-------------|-------------------|-----------|--------------|------------|----------|------|
| Client ID: LCSS               | Batch      | n ID: <b>54</b> 6 | 5 <b>7</b> 7 | F           | RunNo: 7          | 1405      |              |            |          |      |
| Prep Date: 8/25/2020          | Analysis D | )ate: 8/2         | 26/2020      | 5           | SeqNo: 24         | 492981    | Units: mg/K  | g          |          |      |
| Analyte                       | Result     | PQL               | SPK value    | SPK Ref Val | %REC              | LowLimit  | HighLimit    | %RPD       | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | 22         | 5.0               | 25.00        | 0           | 88.2              | 70        | 130          |            |          |      |
| Surr: BFB                     | 520        |                   | 500.0        |             | 105               | 70        | 130          |            |          |      |
| Sample ID: mb-54677           | SampT      | уре: МВ           | LK           | Tes         | tCode: EF         | A Method  | 8015D Mod: ( | Gasoline R | lange    |      |
| Client ID: PBS                | Batch      | ID: <b>54</b> 6   | 577          | F           | RunNo: <b>7</b> ′ | 1405      |              |            |          |      |

| Client ID: PBS                | Batcl      | n ID: <b>54</b> 6 | 677       | F           | RunNo: 7  | 1405     |             |      |          |      |
|-------------------------------|------------|-------------------|-----------|-------------|-----------|----------|-------------|------|----------|------|
| Prep Date: 8/25/2020          | Analysis E | Date: 8/2         | 26/2020   | 8           | SeqNo: 24 | 192982   | Units: mg/K | g    |          |      |
| Analyte                       | Result     | PQL               | SPK value | SPK Ref Val | %REC      | LowLimit | HighLimit   | %RPD | RPDLimit | Qual |
| Gasoline Range Organics (GRO) | ND         | 5.0               |           |             |           |          |             |      |          |      |
| Surr: BFB                     | 510        |                   | 500.0     |             | 103       | 70       | 130         |      |          |      |
|                               |            |                   |           |             |           |          |             |      |          |      |

| Sample ID: 2008c85-001ams     | Samp <sup>-</sup> | Гуре: <b>М</b> .S | 3         | Tes         | tCode: El       | PA Method | d 8015D Mod: Gasoline Range |      |          |      |  |  |
|-------------------------------|-------------------|-------------------|-----------|-------------|-----------------|-----------|-----------------------------|------|----------|------|--|--|
| Client ID: B-11 25'           | Batc              | h ID: <b>54</b> 6 | 677       | F           | RunNo: <b>7</b> | 1405      |                             |      |          |      |  |  |
| Prep Date: 8/25/2020          | Analysis [        | Date: <b>8/</b>   | 26/2020   | 5           | GeqNo: 24       | 492986    | Units: mg/K                 | g    |          |      |  |  |
| Analyte                       | Result            | PQL               | SPK value | SPK Ref Val | %REC            | LowLimit  | HighLimit                   | %RPD | RPDLimit | Qual |  |  |
| Gasoline Range Organics (GRO) | 23                | 4.8               | 24.18     | 0           | 93.4            | 49.2      | 122                         |      |          |      |  |  |
| Surr: BFB                     | 510               |                   | 483.6     |             | 105             | 70        | 130                         |      |          |      |  |  |

| Sample ID:     | 2008c85-001amsd  | SampT      | уре: МЅ           | SD .      | Tes         | tCode: EF                  | A Method | 8015D Mod: ( | 3asoline R | tange    |      |
|----------------|------------------|------------|-------------------|-----------|-------------|----------------------------|----------|--------------|------------|----------|------|
| Client ID:     | B-11 25'         | Batch      | n ID: <b>54</b> 6 | 577       | F           | RunNo: <b>7</b> 1          | 405      |              |            |          |      |
| Prep Date:     | 8/25/2020        | Analysis E | Date: 8/2         | 26/2020   | 8           | Seq <b>N</b> o: <b>2</b> 4 | 92987    | Units: mg/K  | g          |          |      |
| Analyte        |                  | Result     | PQL               | SPK value | SPK Ref Val | %REC                       | LowLimit | HighLimit    | %RPD       | RPDLimit | Qual |
| Gasoline Range | e Organics (GRO) | 23         | 5.0               | 24.80     | 0           | 91.6                       | 49.2     | 122          | 0.600      | 20       |      |
| Surr: BFB      |                  | 510        |                   | 496.0     |             | 102                        | 70       | 130          | 0          | 0        |      |

# Qualifiers:

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

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

Page 4 of 4



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

# Sample Log-In Check List

|  | Website: cliei         | nts.hallenvironmenta | il.com     | Managariya (1980)          |                   |
|--|------------------------|----------------------|------------|----------------------------|-------------------|
| Client Name: Taton Artesia   | Work Order Nur         | mber: 2008C85        |            | RcptNo:                    | 1                 |
| Received By: Cheyenne Cason  | 8/25/2020 8:00:00      | ) AM                 |            |                            |                   |
| Completed By: Juan Rojas   | 8/25/2020 8:05:18      | AM                   | Generally  | e.                         |                   |
| Reviewed By: JR 8/25/20  |                        |                      |            |                            |                   |
| Chain of Custody   |                        |                      |            |                            |                   |
| 1. Is Chain of Custody complete?   |                        | Yes 🗹                | No 🗆       | Not Present 🗌              |                   |
| 2. How was the sample delivered?   |                        | <u>Courier</u>       |            |                            |                   |
| <u>Log In</u>  |                        |                      |            |                            |                   |
| <ol><li>Was an attempt made to cool the sample</li></ol>                                 | s?                     | Yes 🗸                | No 🗀       | NA 🗌                       |                   |
| 4. Were all samples received at a temperatu  | re of >0° C to 6.0°C   | Yes 🗹                | No 🗆       | NA □                       |                   |
| 5. Sample(s) in proper container(s)?   |                        | Yes 🗸                | No 🗆       |                            |                   |
| 3. Sufficient sample volume for indicated tes  | i(s)?                  | Yes 🗸                | No 🗌       |                            |                   |
| 7. Are samples (except VOA and ONG) prop   | erly preserved?        | Yes 🗸                | No 🗌       |                            |                   |
| 3. Was preservative added to bottles?  |                        | Yes 🗌                | No 🗹       | NA 🗌                       |                   |
| 3. Received at least 1 vial with headspace <1  | /4" for AQ VOA?        | Yes 🗌                | No 🗌       | NA 🗹                       |                   |
| 0, Were any sample containers received bro   | көл?                   | Yes 🗆                | No 🗹 🛚     | # of preserved             |                   |
| Does paperwork match bottle labels?  (Note discrepancies on chain of custody)            |                        | Yes 🔽                | No 🗆       | bottles checked<br>for pH: | -12 unless noted) |
| Are matrices correctly identified on Chain of  | of Custody?            | Yes 🗸                | No 🗌       | Adjusted                   | - CANTE VI-       |
| Is it clear what analyses were requested?  |                        | Yes 🔽                | No 🗆       |                            |                   |
| f. Were all holding times able to be met?<br>(If no, notify customer for authorization.) |                        | Yes 🔽                | No 🗆       | Checked by:                | NC 8/25/2         |
| pecial Handling (if applicable)  |                        |                      |            |                            |                   |
| 5. Was client notified of all discrepancies with   | this order?            | Yes 🗌                | No 🗌       | NA 🗹                       |                   |
| Person Notified:   | Date                   |                      |            |                            |                   |
| By Whom:   | Via:                   | eMail P              | none 🔲 Fax | ] In Person                |                   |
| Regarding:   |                        |                      |            | 1                          |                   |
| Client Instructions:   |                        |                      |            |                            |                   |
| 3. Additional remarks:   |                        |                      |            |                            |                   |
| 7. Cooler Information  |                        |                      |            |                            |                   |
| Cooler No.   Temp C   Condition  | Seal Intact   Seal No. | Seal Date            | Signed By  |                            |                   |
| 1 4.9 Good   |                        | 7 111 17 34 181      |            |                            |                   |
|  |                        |                      |            |                            |                   |

Received by OCD: 6/22/2021 12:00:05:2M

| C                 | hain.                                 | -of-Cı      | ıstody   | Reco          | rd           | Tum-A    | round      | Time: 4-de                | v                               | 7              |  |                      | _                  |                 |               |                              |            |                 |                                 |           |              |             |   |   |
|-------------------|---------------------------------------|-------------|--|---------------|--------------|----------|------------|---------------------------|---------------------------------|----------------|--|----------------------|--------------------|-----------------|---------------|------------------------------|------------|-----------------|---------------------------------|-----------|--------------|-------------|---|---|
| Client:           | -                                     | <i>a.</i> / | LPE  | ٠.            |              |          | andard     |                           |                                 |                |  |                      |                    |                 |               |                              |            |                 |                                 | N.        |              |             |   |   |
|                   |                                       | <u> </u>    | <u> </u>   | <del></del>   |              | Project  |            |                           | <b>3</b>                        |                | 4  |                      | #L                 |                 | I             |                              | AB         | 30I             | RA                              | TC        | 到底           | Y           |   |   |
| Mailing           | Address                               | -           |  |               |              | ļ        |            | www.hailenvironmental.com |                                 |                |  |                      |                    |                 |               |                              |            |                 |                                 |           |              |             |   |   |
|                   | 71001033                              | on          | File   |               |              | Boote    | <u>s 1</u> | 5 Fed                     | Com 1H                          |                | 49   | 01 F                 | lawk               | ins' N          | 1Ε -          | Alb                          | uque       | erqu            | e, Ni                           | M 871     | 109          |             |   |   |
|                   |                                       |             |  |               |              | Projec   | i#:        |                           |                                 |                |  |                      | 05-34              |                 |               |                              |            |                 |                                 | -4107     |              |             |   |   |
| Phone :           | ¥:                                    |             |  |               |              | 700      | 794.       | 343.01                    |                                 |                |  |                      |                    |                 | A             |                              |            |                 | uest                            |           |              |             |   |   |
| <u>email o</u>    | r Fax#:                               |             | (  |               |              | Project  | t Mana     | ıger:                     |                                 |                | <u> </u>   |                      |                    |                 |               | SO4                          |            |                 | £                               |           | estimate and |             |   |   |
| QA/QC I           | Package:                              |             |  |               |              |          |            |                           |                                 | 302            | MR   | B's                  |                    | SI              |               | , S                          |            |                 | Ser                             |           |              |             |   |   |
| □ Stan            | dard                                  |             | ☐ Level 4  | 4 (Full Valid | dation)      | BLS      |            |                           |                                 | ) S (          | 0  | PCB's                |                    | SI)             |               | PO₄,                         |            |                 | \text{A}                        |           |              |             |   |   |
| Accredi           | tatíon:                               | □ Az Co     | mpliance   |               |              | Sample   | er: B      | Sinclair                  |                                 | TMB's (8021)   | H.   | 382                  | 1                  | 8270SIMS        |               | NO2,                         |            |                 | sen                             |           |              |             |   |   |
| ·□ NEL            |                                       | □ Othe      |  |               |              | On Ice   | Ģ.         | XX Yes                    | □ No                            | -              | l ô  | )8/s                 | 504.               | or 8            | s             | Z                            |            | (A)             | Pre                             |           |              |             |   |   |
|                   | (Type)                                | <u> </u>    |  |               |              | # of Co  |            |                           |                                 | ] [2]          | <u>@</u>   | cide                 | po (               | 310             | etak          | Ő.                           |            | ١٠٧٠            | E                               |           |              |             |   |   |
|                   |                                       |             |  |               | ,            | Cooler   | Lemp       | (Including CF): L         | 1+0,1=49                        | Į∑             | 150  | esti                 | /leth              | y 8;            | 8 K           | 37,                          | §          | Эem             | 읗                               |           |              |             |   |   |
|                   | •                                     |             |  |               |              | Contai   | ner        | Preservative              | HEAL No.                        | BTEX/ MTBE     | (PH)8015D(GRO / DRO / MRO)                       | 8081 Pesticides/8082 | EDB (Method 504.1) | PAHs by 8310 or | RCRA 8 Metals | CI, F, Br, NO <sub>3</sub> , | 8260 (VOA) | 8270 (Semi-VOA) | Total Coliform (Present/Absent) |           |              |             |   |   |
| Date <sup>-</sup> | Time                                  | Matrix      | Sample   | Name          |              | Туре а   |            | Туре                      | 9008085                         | BT             |  | 808                  | G                  | ΡA              | 8             | ਹੰ                           | 826        | 827             | Tot                             |           | İ            |             |   |   |
| 8-19-20           | 13:07                                 | soil        | B-11   | 25            |              | 402      | iar        | ice                       | -001                            |                | /  |                      |                    |                 |               |                              |            |                 |                                 |           | 1            |             |   |   |
| 8-19-20           | 13:42                                 | 501         | B-11   | 30 1          |              | 4 02     |            |                           | -002                            |                | 1  |                      |                    |                 |               |                              |            |                 |                                 |           |              |             | 1 |   |
|                   | ,                                     |             |  |               |              |          | •          |                           |                                 |                |  |                      |                    |                 |               |                              |            |                 |                                 |           |              | 1           | 1 |   |
|                   |                                       |             |  |               | ***          |          |            |                           |                                 |                |  |                      |                    |                 |               |                              |            |                 |                                 |           | +            | -           |   | _ |
|                   |                                       |             |  |               |              |          |            |                           |                                 |                |  |                      |                    |                 |               |                              |            |                 |                                 |           | _            | <del></del> | _ | - |
|                   | · · · · · · · · · · · · · · · · · · · |             | <del>                                     </del> |               |              |          |            |                           |                                 | <del> </del>   |  | <u> </u>             |                    |                 |               |                              |            |                 | $\vdash$                        | _         | -+           | _           | - |   |
|                   |                                       |             |  |               |              |          |            |                           |                                 | 1              | <del>                                     </del> |                      |                    |                 |               |                              |            |                 | $\vdash$                        |           | +            | -+          | - |   |
| <del></del>       | <u>-</u>                              |             | <del> </del>                                     | <del> </del>  |              | <u> </u> |            |                           |                                 | <del>  -</del> | <del>                                     </del> | -                    |                    |                 | -             |                              |            |                 | $\vdash \vdash$                 |           |              |             | - |   |
|                   |                                       |             |  |               |              |          |            |                           |                                 | <del> </del>   | ļ  |                      |                    |                 |               |                              |            |                 |                                 |           | _            | <u> </u>    |   |   |
|                   | <del></del>                           |             |  |               |              |          |            |                           |                                 | -              | <u> </u>   |                      | ļ                  |                 |               |                              | ·          |                 |                                 |           | $\perp$      |             |   |   |
|                   |                                       |             |  |               |              |          |            |                           |                                 |                |  |                      |                    |                 |               |                              |            |                 |                                 | <u></u> ] |              |             |   |   |
|                   |                                       |             |  |               |              |          |            |                           |                                 | <u> </u>       |  |                      |                    |                 |               |                              |            |                 |                                 |           | $\sqcap$     |             |   |   |
|                   |                                       |             |  |               |              |          |            | , ,                       |                                 |                |  |                      |                    |                 |               |                              |            |                 |                                 |           |              | <u> </u>    |   |   |
| Date:             | Time:                                 | Relinquist  | red by:  | 1/            |              | Receive  | g pa:      | //ia:                     | Date Time                       |                | mark   |                      | _                  |                 |               |                              |            |                 |                                 |           |              |             |   |   |
| 8/21/4            | 1200                                  | 4//         | - Kan  | 4/            |              |          | A          |                           | 8 24 20 1200                    |                | B  | ]];                  | Ţ,                 | e               | )er           | (                            |            |                 |                                 |           |              |             |   |   |
| Date:             | Time:                                 | Relinquis   | ned by:  | _             |              | Receive  | d/By       | l <sup>o</sup> Via:       | Date Time                       | 1              | _  | -                    |                    |                 |               |                              |            |                 |                                 |           |              |             |   |   |
| 1/4/2             | (1900)                                | 11/         |  |               |              | Cm       | <u>C</u>   | Cur                       | 8/25/20 0800                    |                |  |                      |                    |                 |               |                              |            |                 |                                 |           |              |             |   |   |
| 1                 | if necessary                          | complete ev | bmitted to Voll I                                | Environmental | more be sub- |          | h46        |                           | es. This serves as notice of th |                | -1 2114  | -                    |                    | <del></del>     |               |                              |            |                 |                                 |           |              |             |   |   |

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

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III
1000 Rio Brazos Rd., Aztec, NM 87410

Phone:(505) 334-6178 Fax:(505) 334-6170

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

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

CONDITIONS

Action 11651

## **CONDITIONS OF APPROVAL**

| Operator:             |                  | OGRID: | Action Number: | Action Type: |
|-----------------------|------------------|--------|----------------|--------------|
| TALON LPE 408 W Texas | Artesia, NM88210 | 329944 | 11651          | C-141        |

| OCD Reviewer | Condition   |
|--------------|---|
| chensley     | Remediation plan Approved. Remediation due by 6/1/2021. |

District I
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Phone: (575) 393-6161 Fax: (575) 393-0720

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

CONDITIONS

Action 32885

## **CONDITIONS**

| Operator:                        | OGRID:                                    |
|----------------------------------|---|
| Pima Environmental Services, LLC | 329999                                    |
| 1601 N. Turner                   | Action Number:                            |
| Hobbs, NM 88240                  | 32885                                     |
|                                  | Action Type:                              |
|                                  | [C-141] Release Corrective Action (C-141) |

### CONDITIONS

| Created By | Condition | Condition Date |
|------------|-----------|----------------|
| chensley   | None      | 7/14/2021      |