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Remediation and Closure Report

Jackson B #005
Eddy County, New Mexico
API # 30-015-04037

Prepared For:

EOG Resources Inc.
104 S. 4th Street
Artesia, NM 88210

Prepared By:

Talon/LPE
408 W. Texas Avenue
Artesia, New Mexico 88210

Rev.

March 9, 2022

Rob Hamlet
NMOCD
811 South 1st Street
Artesia, NM 88210

Subject: **Remediation and Closure Report**
Jackson B #005
Eddy County, New Mexico
API # 30-015-04037

Dear Mr. Hamlet,

EOG Resources contracted Talon/LPE (Talon) to perform soil assessment pursuant to Table I closure guidelines, and remediation services at the above referenced location. The incident description, soil sampling results, remedial actions and closure request is presented herein.

Site Information

The Jackson B #005 is located approximately twenty-seven (27) miles east of Artesia, New Mexico. The legal location for this release is Unit Letter C, Section 01, Township 17 South and Range 30 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.8689156, and -103.9234238. A Site Location Map is presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is made up of Berino-Dune land complex with 0 to 3 percent slopes. The referenced soil data is presented in [Appendix II](#). Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology consists of alluvium and/or eolian sands. Holocene to lower Pleistocene in age. Drainage courses in this area are well drained.

Ground Water and Site Characterization

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater is 96-feet below ground surface (bgs). See [Appendix II](#) for the referenced groundwater depth. Further research of the Bureau of Land Management Karst data indicates that this site is not located within a Karst area.

If a release occurs within the following areas, the responsible party must treat the release as if it occurred in an area where the groundwater is less than 50 feet bgs. in Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29 NMAC.

Approximate Depth to Groundwater	96 Feet/bgs
---	--------------------

- | | |
|---|---|
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within 300 feet of any continuously flowing watercourse or any other significant watercourse |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within 200 feet of any lakebed, sinkhole or a playa lake |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within 300 feet from an occupied permanent residence, school, hospital, institution or church |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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 |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within 1000 feet of any freshwater well or spring |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within incorporated municipal boundaries or within a defined municipal freshwater well field covered under a municipal ordinance adopted pursuant to Section 3-2703 NMSA 1978 |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within 300 feet of a wetland |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within the area overlying a subsurface mine |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within an unstable area |
| <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Within a 100-year floodplain |

Because the release occurred in a non-production area (off well pad) and is currently plugged as an area of potential reclamation, the clean-up criteria for this site is as follows.

Table I Closure Criteria for Soils Impacted by a Release			
Depth below horizontal extents of release to ground water less than 10,000 mg/l TDS	Constituent	Method	Limit
≤ 50 feet	Total Chlorides	EPA 300.0 or SM4500 Cl B	600 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	100 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

Incident Description

During routine site clean-up activities and decommissioning of the well on July 07, 2021, EOG personnel noted that while injecting the well with produced water, fluid was surfacing around the wellhead. There was also some historical surficial staining on the pad area. Due to the size of the surface area impacted, a C141 spill notification was submitted to the NMOCD on August 11, 2021, ([Appendix III](#)). The site map is presented in [Appendix I](#).

Site Assessment

On July 15, 2021 Talon mobilized personnel to the site and conducted an initial site assessment. The impacted area was mapped, photographed and sampled utilizing a hand auger. Background soil samples were retrieved from pad and pasture areas in order to confirm horizontal delineation. The historical footprint of impacted areas was overlapping the produced water incident. All soil samples were properly packaged, preserved, and transported to Hall Laboratories via chain of custody for analysis of Total Chlorides (EPA Method 300.0), TPH (EPA Method 8015M), and BTEX (EPA Method 8021B). Sample locations are shown on the attached site plan and the results of our sampling event are presented on the following data table.

Table I
07-28-21 Soil Sample Laboratory Results

Sample ID	Sample	Depth	BTEX	Benzene	GRO	DRO	MRO	Total	Cl
NMOCD Table 1 Closure Criteria			50	10 mg/kg	DRO + GRO + MRO combined			100	600
BG-1	7/15/202	0-1'	ND	ND	ND	ND	ND	0	ND
BG-2	7/15/202	0-1'	ND	ND	ND	ND	ND	0	250
BG-3	7/15/202	0-1'	ND	ND	ND	ND	ND	0	ND
BG-4	7/15/202	0-1'	ND	ND	ND	ND	ND	0	ND
S-1	7/15/202	0-1'	ND	ND	ND	320	1900	2220	3400
	7/15/202	1.5' R	ND	ND	ND	140	770	910	5800
S-2	7/15/202	0-1'	ND	ND	ND	76	260	336	150
	7/15/202	2'	ND	ND	ND	ND	ND	0	300
	7/15/202	3'	ND	ND	ND	32	190	222	430
	7/15/202	4'	ND	ND	ND	17	99	116	930
S-3	7/15/202	0-1'	ND	ND	ND	5200	11000	16200	ND
	7/15/202	2'	ND	ND	ND	120	270	390	ND
	7/15/202	3'	ND	ND	ND	15	ND	15	99
	7/15/202	4'	ND	ND	ND	150	380	530	370
S-4	7/15/202	0-1'	ND	ND	ND	ND	ND	0	370
	7/15/202	2'	ND	ND	ND	ND	ND	0	690
	7/15/202	3'	ND	ND	ND	ND	ND	0	710
	7/15/202	4'	ND	ND	ND	ND	ND	0	840
S-5	7/15/202	0-1'	ND	ND	ND	9000	6400	15400	1600
	7/15/202	2'	ND	ND	ND	950	890	1840	880
	7/15/202	3' R	ND	ND	ND	280	260	540	350
ND = Analyte Not Detected R = Refused with Hand Auger									

See [Appendix IV](#) for the complete report of laboratory results.

On August 04, 2021, based on the laboratory results from the initial site assessment and upon client authorization, Talon personnel and equipment were mobilized to the site in order to commence remediation of the impacted area. An area approximately 70 feet long, 68 feet wide, to depths of 3 to 5 feet respectively, was excavated from the pad area commensurate with production site reclamation guidelines. A composite soil samples were retrieved from the bottom of the excavated area, as well as from the sidewalls. All soil samples were properly collected, and preserved for transport to Hall Laboratories in order to confirm that NMOCD clean-up criteria had been achieved. The confirmation results from the laboratory are tabulated below.

Table II
08-11-21 Soil Sample Laboratory Results

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S-1A	8/4/2021	5'	ND	ND	ND	ND	ND	0	500
S-2A	8/4/2021	4'	ND	ND	ND	ND	ND	0	160
S-3A	8/4/2021	5'	ND	ND	ND	ND	ND	0	470
S-4A	8/4/2021	4'	ND	ND	ND	10	ND	10	200
S-5A	8/4/2021	4'	ND	ND	ND	9.8	ND	9.8	200
N-SW	8/4/2021	4'	ND	ND	ND	ND	ND	0	500
E-SW	8/4/2021	4'	ND	ND	ND	ND	ND	0	500
W-SW	8/4/2021	4'	ND	ND	ND	ND	ND	0	ND
S-SW	8/4/2021	4'	ND	ND	ND	ND	ND	0	330
ND = Analyte Not Detected SW = Sidewall									

ND-Analyte Not Detected

See [Appendix IV](#) for the complete report of laboratory results.

On January 25, 2022, the closure report for the referenced incident was denied due to two hundred (200) square foot sampling guideline as is reference in [Appendix VI](#). In accordance with the denial, on February 2, 2022 Talon mobilized personnel to the site in order to confirmation sample at depths of 4 to 5 feet bgs. All soil samples were properly contained, preserved, and transported to Cardinal Laboratories for analysis. The confirmation results from the laboratory are tabled below.

Table III
02-14-2022

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S-6A	2/2/2022	4'	ND	ND	ND	ND	ND	0	48
S-7A	2/2/2022	4'	ND	ND	ND	ND	ND	0	80
S-8A	2/2/2022	4'	ND	ND	ND	ND	ND	0	80
S-9A	2/2/2022	4'	ND	ND	ND	ND	ND	0	96
S-10A	2/2/2022	4'	ND	ND	ND	ND	ND	0	112
S-11A	2/2/2022	4'	ND	ND	ND	ND	ND	0	112
S-12A	2/2/2022	4'	ND	ND	ND	ND	ND	0	96
S-13A	2/2/2022	4'	ND	ND	ND	ND	ND	0	80
S-14A	2/2/2022	4'	ND	ND	ND	ND	ND	0	96
S-15A	2/2/2022	4'	ND	ND	ND	ND	ND	0	80
S-16A	2/2/2022	4'	ND	ND	ND	ND	ND	0	80
S-17A	2/2/2022	4'	ND	ND	ND	ND	ND	0	80
S-18A	2/2/2022	4'	ND	ND	ND	ND	ND	0	80
S-19A	2/2/2022	4'	ND	ND	ND	ND	ND	0	112
S-20A	2/2/2022	4'	ND	ND	ND	ND	ND	0	176
S-21A	2/2/2022	4'	ND	ND	ND	66.7	75	141.7	160
	2/15/2022	5'	ND	ND	ND	ND	ND	0	80
S-22A	2/2/2022	4'	ND	ND	ND	ND	ND	0	80
S-23A	2/2/2022	4'	ND	ND	ND	ND	ND	0	80
ND = Analyte Not Detected									

ND-Analyte Not Detected

See [Appendix IV](#) for the complete report of laboratory results.

Remedial Actions

- The spill footprint was excavated to a depth of 4 feet and 5 feet bgs. respectively, and to the horizontal extent that all surface staining and hydrocarbon odors were removed. Laboratory analysis confirms that NMOCD remediation guidelines for soil characterization were achieved.
- Background samples were obtained in order to confirm horizontal delineation for all areas of concern.
- The excavated area was backfilled with clean caliche, machine packed, and restored to grade for completion of plugging activities.
- The backfilled area was augered to 4 feet and 5 feet in depth in order to grab confirmation samples of the remediated area.
- All contaminated soil was transported to Lea Land, LLC, a NMOCD approved disposal facility.

Closure

Based on this site characterization, remedial action completed, and analytical results, we request that no further action be required, and that closure with regard to the attached incidents be granted.

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

Rebecca S. Pons
Senior Environmental Project Manager

Attachments:

Appendix I Site Plans
Appendix II Groundwater Data, Soil Survey, Karst Map, TOPO Map
Appendix III C-14, NMOCD Correspondence
Appendix IV Photographic Documentation
Appendix V Laboratory Data
Appendix VI Correspondence





APPENDIX I

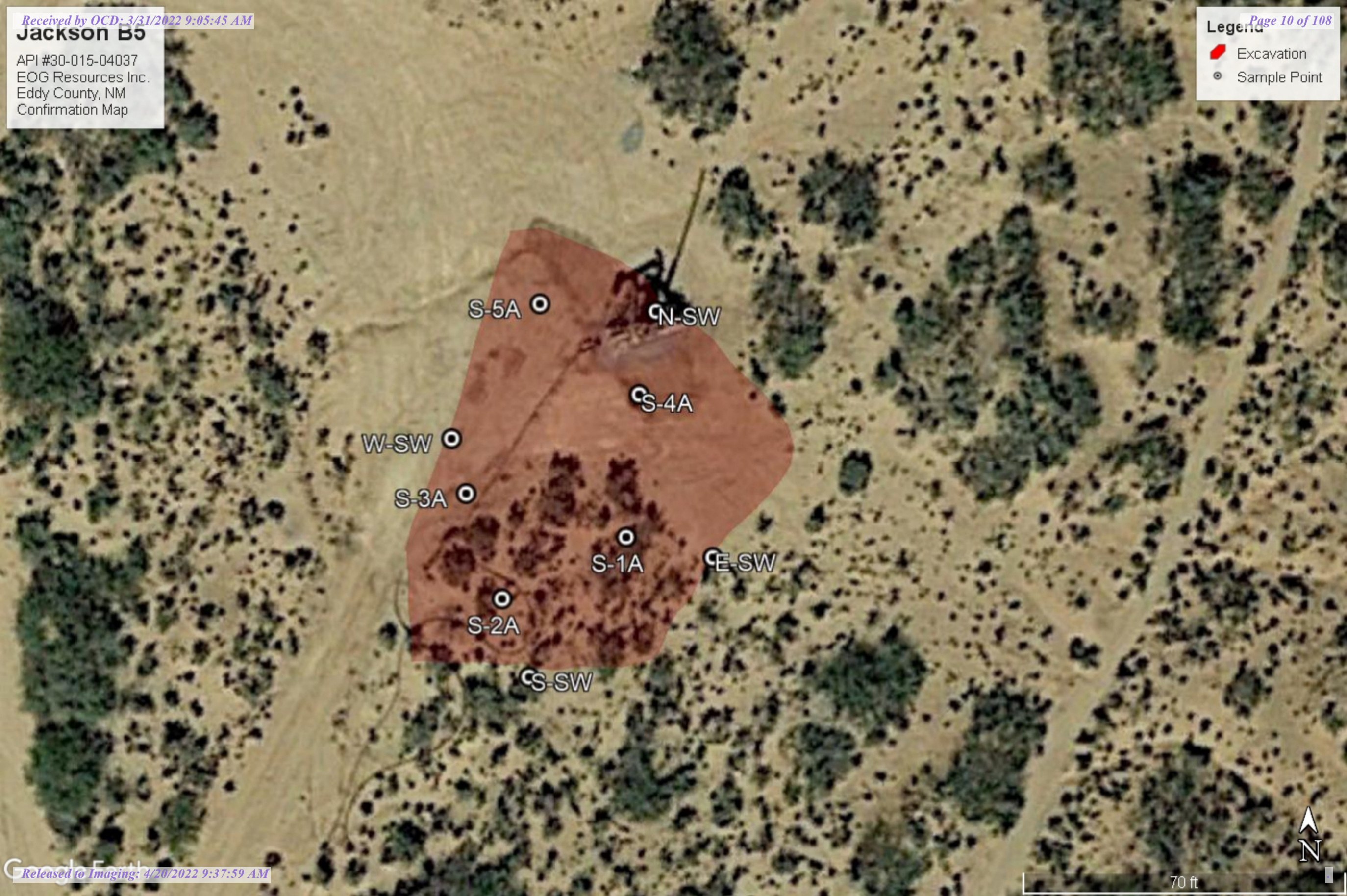
SITE PLANS

Jackson B5

API #30-015-04037
EOG Resources Inc.
Eddy County, NM
Confirmation Map

Legend

-  Excavation
-  Sample Point





70 ft

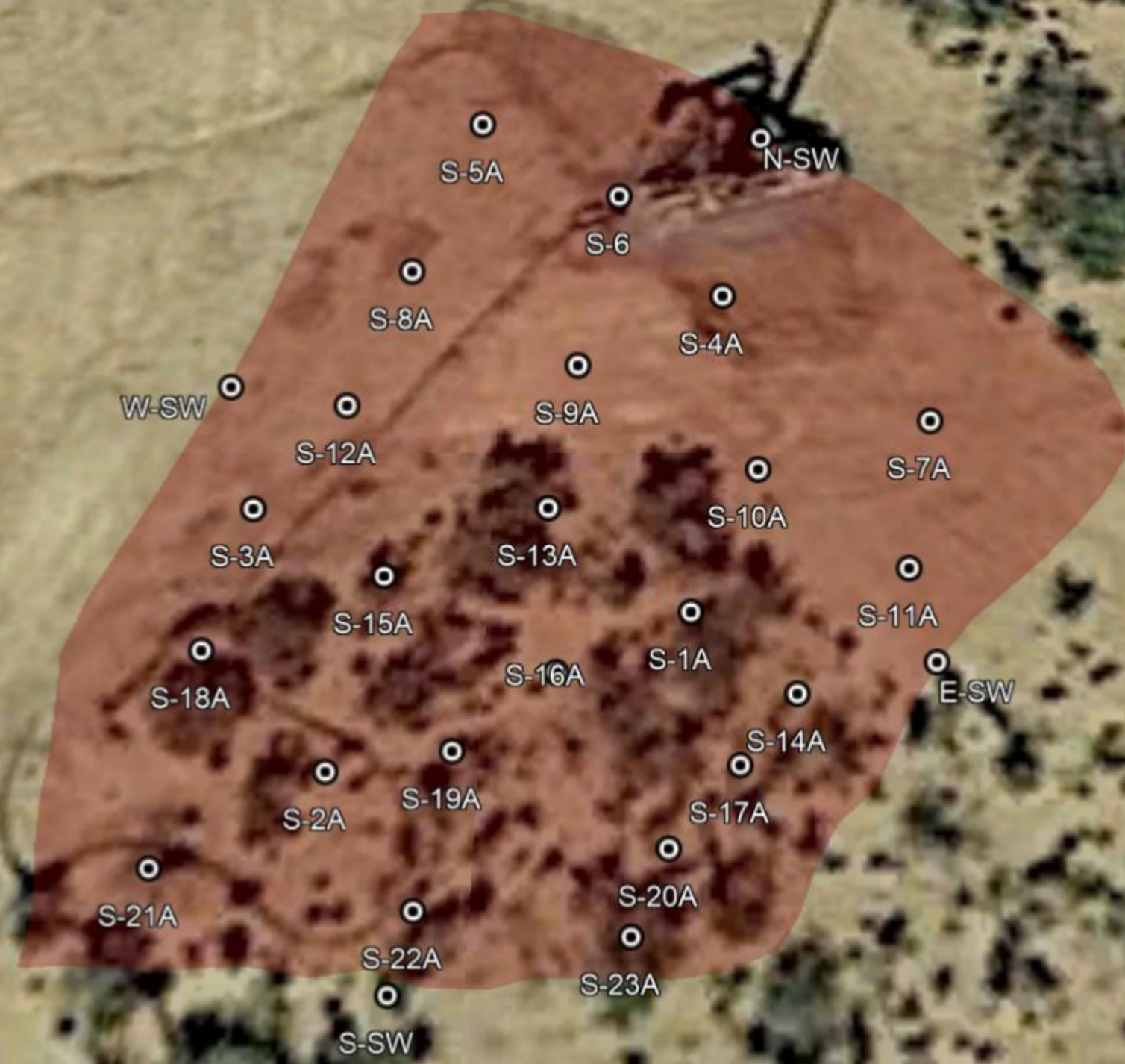
N

EOG Resources Jackson B #5

API #30-015-04037
Eddy County, NM
Confirmation Sample Map

Legend

-  Excavation
-  Sample Point



30 ft

N



Appendix II

Groundwater Data, & Soil
Survey, Karst and TOPO 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)

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	WaterColumn
L 14207 POD3	L	LE		2	3	3	31	16S	37E	606117	3636977	5404	240	96	144
RA 11914 POD1	RA	ED		2	4	2	20	17S	30E	594801	3632002	7922	85	80	5

Average Depth to Water: **88 feet**

Minimum Depth: **80 feet**

Maximum Depth: **96 feet**

Record Count: 2

UTMNAD83 Radius Search (in meters):

Easting (X): 600720

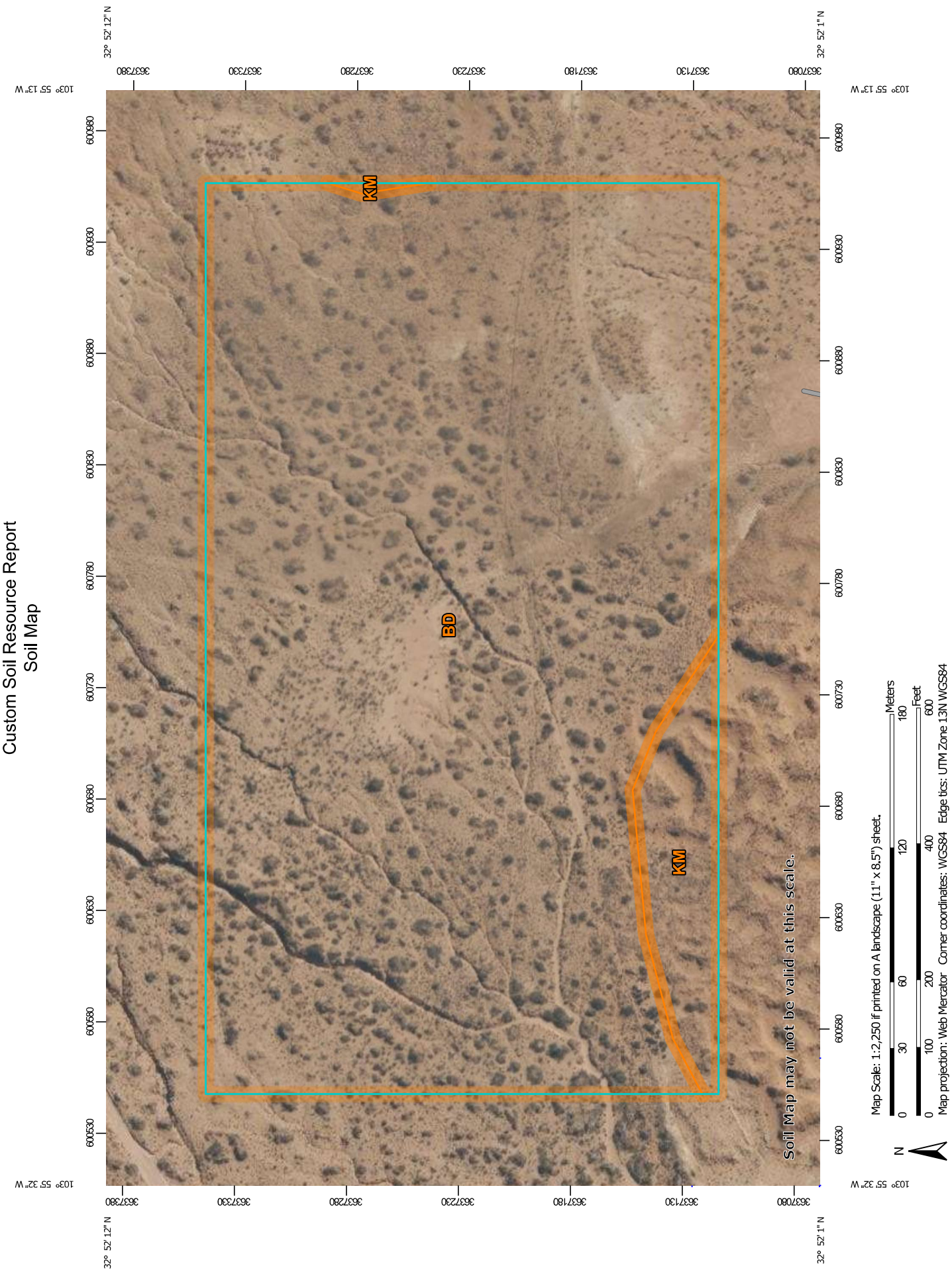
Northing (Y): 3637268

Radius: 8000

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.

7/8/21 2:30 PM


WATER COLUMN/ AVERAGE DEPTH TO WATER



Custom Soil Resource Report

MAP LEGEND


Area of Interest (AOI)

 Area of Interest (AOI)

Soils


 Soil Map Unit Polygons

 Soil Map Unit Lines


 Soil Map Unit Points

Special Point Features

 Blowout

 Borrow Pit

 Clay Spot

 Closed Depression

 Gravel Pit


 Gravelly Spot

 Landfill

 Lava Flow


 Marsh or swamp


 Mine or Quarry

 Miscellaneous Water

 Perennial Water


 Rock Outcrop


 Saline Spot


 Sandy Spot


 Severely Eroded Spot


 Sinkhole

 Slide or Slip

 Sodic Spot


 Spoil Area

 Stony Spot


 Very Stony Spot

 Wet Spot

 Other


 Special Line Features

Water Features

 Streams and Canals

Transportation

 Rails

 Interstate Highways

 US Routes

 Major Roads

 Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

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

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Custom Soil Resource Report

Eddy Area, New Mexico**BD—Berino-Dune land complex, 0 to 3 percent slopes****Map Unit Setting**

National map unit symbol: 1w44
Elevation: 2,450 to 5,500 feet
Mean annual precipitation: 8 to 15 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

Berino and similar soils: 45 percent
Dune land: 40 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Berino**Setting**

Landform: Fan piedmonts, plains
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: fine sandy loam
H2 - 17 to 50 inches: sandy clay loam
H3 - 50 to 60 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high
 (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water capacity: Moderate (about 7.7 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R042XC007NM - Loamy
Hydric soil rating: No

Custom Soil Resource Report

Description of Dune Land**Setting***Landform:* Dune fields*Landform position (two-dimensional):* Footslope, shoulder, backslope*Landform position (three-dimensional):* Talf*Down-slope shape:* Convex, linear*Across-slope shape:* Convex, linear*Parent material:* Mixed alluvium and/or eolian sands**Typical profile***H1 - 0 to 6 inches:* sandy loam*H2 - 6 to 60 inches:* sandy loam**Interpretive groups***Land capability classification (irrigated):* None specified*Land capability classification (nonirrigated):* 7e*Hydric soil rating:* No**Minor Components****Kermit***Percent of map unit:* 5 percent*Ecological site:* R042XC005NM - Deep Sand*Hydric soil rating:* No**Cacique***Percent of map unit:* 5 percent*Ecological site:* R042XC004NM - Sandy*Hydric soil rating:* No**Active dune land***Percent of map unit:* 5 percent*Hydric soil rating:* No**KM—Kermit-Berino fine sands, 0 to 3 percent slopes****Map Unit Setting***National map unit symbol:* 1w4q*Elevation:* 3,100 to 4,200 feet*Mean annual precipitation:* 10 to 14 inches*Mean annual air temperature:* 60 to 64 degrees F*Frost-free period:* 190 to 230 days*Farmland classification:* Not prime farmland**Map Unit Composition***Kermit and similar soils:* 50 percent*Berino and similar soils:* 35 percent*Minor components:* 15 percent*Estimates are based on observations, descriptions, and transects of the mapunit.*

Custom Soil Resource Report

Description of Kermit**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 7 inches: fine sand
H2 - 7 to 60 inches: fine sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): Very high (20.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water capacity: Low (about 3.1 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: R042XC005NM - Deep Sand
Hydric soil rating: No

Description of Berino**Setting**

Landform: Fan piedmonts, plains
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: fine sand
H2 - 17 to 50 inches: fine sandy loam
H3 - 50 to 58 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None

Custom Soil Resource Report

Calcium carbonate, maximum content: 40 percent

Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water capacity: Moderate (about 7.2 inches)

Interpretive groups

Land capability classification (irrigated): 4e

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: B

Ecological site: R042XC003NM - Loamy Sand

Hydric soil rating: No

Minor Components

Active dune land

Percent of map unit: 15 percent

Hydric soil rating: No

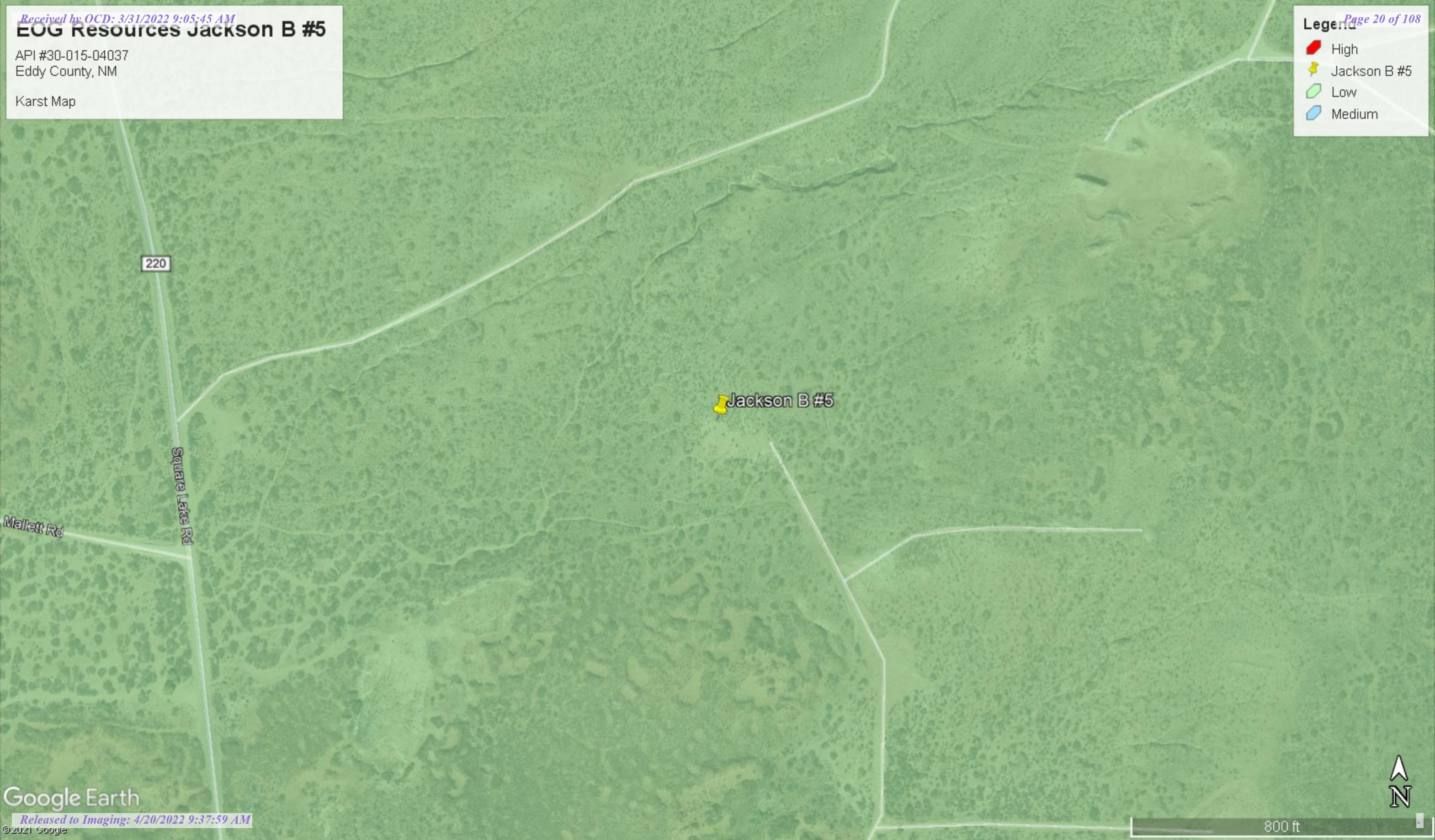
EOG Resources Jackson B #5

API #30-015-04037
Eddy County, NM

Karst Map

Legend

- High
- Jackson B #5
- Low
- Medium




Jackson B #5

EOG Resources
API #30-015-04037
Eddy County, NM
Topography Map

Page 21 of 108

Legend

 Jackson B #5





Appendix III

NMOCD

C-141

Rebecca Pons

From: Chase Settle <Chase_Settle@eogresources.com>
Sent: Tuesday, January 25, 2022 3:03 PM
To: David J. Adkins; Rebecca Pons
Subject: FW: Jackson B 5 (nAPP2122331745)
Attachments: Jackson B 5_Closure Report.pdf

This message originated from an **External Source**. Please use proper judgment and caution when opening attachments, clicking links, or responding to this email.

David/Rebecca,

Please the Denial from NMOCD.

Thanks,

Chase

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Tuesday, January 25, 2022 2:57 PM
To: Artesia Regulatory <Artesia_Regulatory@eogresources.com>; Bob Asher <Bob_Asher@eogresources.com>; Chase Settle <Chase_Settle@eogresources.com>; Katie Jamison <Katie_Jamison@eogresources.com>; Yvette Moore <Yvette_Moore@eogresources.com>
Subject: Jackson B 5 (nAPP2122331745)

The closure has been denied as noted below.

Thank you.

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Tuesday, January 25, 2022 8:26 AM
To: Tina Huerta <Tina_Huerta@eogresources.com>
Subject: The Oil Conservation Division (OCD) has rejected the application, Application ID: 46400

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o Tina Huerta for EOG RESOURCES INC),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2122331745, for the following reasons:

- **The closure report is denied. The excavation area is 70'x 68' = 4,760 ft2. There should be roughly 23 floor sample points instead of 5. Please collect confirmation samples, representing no more than 200 ft2.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 46400. Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,
Robert Hamlet
575-748-1283
Robert.Hamlet@state.nm.us

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

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	nAPP2122331745
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources, Inc.	OGRID 7377
Contact Name Chase Settle	Contact Telephone 575-748-1471
Contact email Chase_Settle@eogresources.com	Incident # (assigned by OCD)
Contact mailing address 104 S. 4th Street, Artesia, NM 88210	

Location of Release Source

Latitude 32.86876 Longitude -103.92754
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Jackson B #5	Site Type Well
Date Release Discovered 7/27/2021	API# (if applicable) 30-015-04037

Unit Letter	Section	Township	Range	County
C	1	17S	30E	Eddy

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

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) Unknown	Volume Recovered (bbls) 0
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) Unknown	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release During plugging activities on 7-7-21, produced water was being injected into the well casing when a small amount began to bubble to the surface on the well pad, at that time historical staining was discovered in the same area. On 7-27-21, the environmental consultant contracted to investigate and complete the remediation determined based on the area impacted that the release volume was most likely above the reportable threshold.

Initial Response

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

Released to Imaging: 4/20/2022 9:37:59 AM

Incident ID	nAPP2122331745
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	96 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

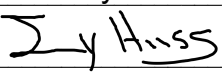
If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods,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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	nAPP2122331745
District RP	
Facility ID	
Application ID	

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

Printed Name: Jeremy Haass Title: Safety and Environmental Specialist
Signature:  Date: 03/10/2022
email: Jeremy_haass@eogresources.com Telephone: 575-513-9235

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2122331745
District RP	
Facility ID	
Application ID	

Closure

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

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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Jeremy Haass Title: Safety and Environmental Specialist

Signature:  Date: 3/10/2022

email: Jeremy_Haass@eogresources.com Telephone: 575-748-4311

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



Appendix IV

Photographic Documentation

EOG Resources- Jackson B #005

PHOTO DOCUMENTATION



Produced water impact-well head



Looking Northwest- historical pad impact



Looking North



Looking south well head



Back to grade -looking south



Back to grade- looking north



Appendix V

Laboratory Data



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

July 28, 2021

Rebecca Pons
Talon Artesia
408 West Texas Ave
Artesia, NM 88210
TEL:
FAX

RE: Jackson B5 Jackson 5

OrderNo.: 2107821

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 21 sample(s) on 7/16/2021 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,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2107821

Date Reported: 7/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: BG-1 0-1'

Project: Jackson B5 Jackson 5

Collection Date: 7/15/2021 9:20:00 AM

Lab ID: 2107821-001

Matrix: SOIL

Received Date: 7/16/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	7/21/2021 8:44:21 AM	61453
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/19/2021 5:10:04 PM	61384
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/19/2021 5:10:04 PM	61384
Surr: DNOP	122	70-130		%Rec	1	7/19/2021 5:10:04 PM	61384
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/19/2021 11:05:00 AM	61377
Surr: BFB	117	70-130		%Rec	1	7/19/2021 11:05:00 AM	61377
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	7/19/2021 11:05:00 AM	61377
Toluene	ND	0.049		mg/Kg	1	7/19/2021 11:05:00 AM	61377
Ethylbenzene	ND	0.049		mg/Kg	1	7/19/2021 11:05:00 AM	61377
Xylenes, Total	ND	0.099		mg/Kg	1	7/19/2021 11:05:00 AM	61377
Surr: 4-Bromofluorobenzene	116	70-130		%Rec	1	7/19/2021 11:05:00 AM	61377

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

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

Page 1 of 28

Analytical Report

Lab Order 2107821

Date Reported: 7/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: BG-2 0-1'

Project: Jackson B5 Jackson 5

Collection Date: 7/15/2021 9:25:00 AM

Lab ID: 2107821-002

Matrix: SOIL

Received Date: 7/16/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	250	60		mg/Kg	20	7/21/2021 9:15:45 PM	61458
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/19/2021 5:46:37 PM	61384
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/19/2021 5:46:37 PM	61384
Surr: DNOP	108	70-130		%Rec	1	7/19/2021 5:46:37 PM	61384
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	7/19/2021 10:05:00 PM	61377
Surr: BFB	109	70-130		%Rec	1	7/19/2021 10:05:00 PM	61377
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	7/19/2021 10:05:00 PM	61377
Toluene	ND	0.046		mg/Kg	1	7/19/2021 10:05:00 PM	61377
Ethylbenzene	ND	0.046		mg/Kg	1	7/19/2021 10:05:00 PM	61377
Xylenes, Total	ND	0.093		mg/Kg	1	7/19/2021 10:05:00 PM	61377
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	1	7/19/2021 10:05:00 PM	61377

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

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

Page 2 of 28

Analytical Report

Lab Order 2107821

Date Reported: 7/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: BG-3 0-1'

Project: Jackson B5 Jackson 5

Collection Date: 7/15/2021 9:30:00 AM

Lab ID: 2107821-003

Matrix: SOIL

Received Date: 7/16/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	7/21/2021 9:21:34 AM	61453
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	7/19/2021 5:58:52 PM	61384
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	7/19/2021 5:58:52 PM	61384
Surr: DNOP	113	70-130		%Rec	1	7/19/2021 5:58:52 PM	61384
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/19/2021 11:05:00 PM	61377
Surr: BFB	108	70-130		%Rec	1	7/19/2021 11:05:00 PM	61377
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	7/19/2021 11:05:00 PM	61377
Toluene	ND	0.049		mg/Kg	1	7/19/2021 11:05:00 PM	61377
Ethylbenzene	ND	0.049		mg/Kg	1	7/19/2021 11:05:00 PM	61377
Xylenes, Total	ND	0.098		mg/Kg	1	7/19/2021 11:05:00 PM	61377
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	7/19/2021 11:05:00 PM	61377

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

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

Page 3 of 28

Analytical Report

Lab Order 2107821

Date Reported: 7/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: BG-4 0-1'

Project: Jackson B5 Jackson 5

Collection Date: 7/15/2021 9:35:00 AM

Lab ID: 2107821-004

Matrix: SOIL

Received Date: 7/16/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	59		mg/Kg	20	7/21/2021 9:33:58 AM	61453
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	7/19/2021 6:11:15 PM	61384
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/19/2021 6:11:15 PM	61384
Surr: DNOP	119	70-130		%Rec	1	7/19/2021 6:11:15 PM	61384
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/19/2021 1:44:00 PM	61377
Surr: BFB	111	70-130		%Rec	1	7/19/2021 1:44:00 PM	61377
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	7/19/2021 1:44:00 PM	61377
Toluene	ND	0.048		mg/Kg	1	7/19/2021 1:44:00 PM	61377
Ethylbenzene	ND	0.048		mg/Kg	1	7/19/2021 1:44:00 PM	61377
Xylenes, Total	ND	0.096		mg/Kg	1	7/19/2021 1:44:00 PM	61377
Surr: 4-Bromofluorobenzene	111	70-130		%Rec	1	7/19/2021 1:44:00 PM	61377

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

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

Page 4 of 28

Analytical Report

Lab Order 2107821

Date Reported: 7/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-1 1'

Project: Jackson B5 Jackson 5

Collection Date: 7/15/2021 9:43:00 AM

Lab ID: 2107821-005

Matrix: SOIL

Received Date: 7/16/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	3400	150		mg/Kg	50	7/22/2021 8:52:33 AM	61453
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	320	49		mg/Kg	5	7/22/2021 10:41:36 AM	61384
Motor Oil Range Organics (MRO)	1900	240		mg/Kg	5	7/22/2021 10:41:36 AM	61384
Surr: DNOP	129	70-130		%Rec	5	7/22/2021 10:41:36 AM	61384
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/19/2021 2:04:00 PM	61377
Surr: BFB	110	70-130		%Rec	1	7/19/2021 2:04:00 PM	61377
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	7/19/2021 2:04:00 PM	61377
Toluene	ND	0.049		mg/Kg	1	7/19/2021 2:04:00 PM	61377
Ethylbenzene	ND	0.049		mg/Kg	1	7/19/2021 2:04:00 PM	61377
Xylenes, Total	ND	0.098		mg/Kg	1	7/19/2021 2:04:00 PM	61377
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	1	7/19/2021 2:04:00 PM	61377

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

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

Page 5 of 28

Analytical Report

Lab Order 2107821

Date Reported: 7/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-1 1.5'R

Project: Jackson B5 Jackson 5

Collection Date: 7/15/2021 9:46:00 AM

Lab ID: 2107821-006

Matrix: SOIL

Received Date: 7/16/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	5600	300		mg/Kg	100	7/22/2021 9:04:57 AM	61453
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	140	50		mg/Kg	5	7/21/2021 4:11:42 PM	61384
Motor Oil Range Organics (MRO)	770	250		mg/Kg	5	7/21/2021 4:11:42 PM	61384
Surr: DNOP	108	70-130		%Rec	5	7/21/2021 4:11:42 PM	61384
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/19/2021 2:24:00 PM	61377
Surr: BFB	110	70-130		%Rec	1	7/19/2021 2:24:00 PM	61377
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	7/19/2021 2:24:00 PM	61377
Toluene	ND	0.048		mg/Kg	1	7/19/2021 2:24:00 PM	61377
Ethylbenzene	ND	0.048		mg/Kg	1	7/19/2021 2:24:00 PM	61377
Xylenes, Total	ND	0.096		mg/Kg	1	7/19/2021 2:24:00 PM	61377
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	1	7/19/2021 2:24:00 PM	61377

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

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

Page 6 of 28

Analytical Report

Lab Order 2107821

Date Reported: 7/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-2 0-1'

Project: Jackson B5 Jackson 5

Collection Date: 7/15/2021 9:50:00 AM

Lab ID: 2107821-007

Matrix: SOIL

Received Date: 7/16/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	150	60		mg/Kg	20	7/21/2021 4:42:41 PM	61453
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	76	49		mg/Kg	5	7/20/2021 7:07:07 AM	61384
Motor Oil Range Organics (MRO)	260	240		mg/Kg	5	7/20/2021 7:07:07 AM	61384
Surr: DNOP	122	70-130		%Rec	5	7/20/2021 7:07:07 AM	61384
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/19/2021 2:44:00 PM	61377
Surr: BFB	112	70-130		%Rec	1	7/19/2021 2:44:00 PM	61377
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	7/19/2021 2:44:00 PM	61377
Toluene	ND	0.049		mg/Kg	1	7/19/2021 2:44:00 PM	61377
Ethylbenzene	ND	0.049		mg/Kg	1	7/19/2021 2:44:00 PM	61377
Xylenes, Total	ND	0.097		mg/Kg	1	7/19/2021 2:44:00 PM	61377
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	7/19/2021 2:44:00 PM	61377

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

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

Page 7 of 28

Analytical Report

Lab Order 2107821

Date Reported: 7/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-2 2'

Project: Jackson B5 Jackson 5

Collection Date: 7/15/2021 9:53:00 AM

Lab ID: 2107821-008

Matrix: SOIL

Received Date: 7/16/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	300	60		mg/Kg	20	7/21/2021 4:55:06 PM	61453
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/19/2021 7:12:46 PM	61384
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/19/2021 7:12:46 PM	61384
Surr: DNOP	100	70-130		%Rec	1	7/19/2021 7:12:46 PM	61384
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/19/2021 3:04:00 PM	61377
Surr: BFB	109	70-130		%Rec	1	7/19/2021 3:04:00 PM	61377
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	7/19/2021 3:04:00 PM	61377
Toluene	ND	0.047		mg/Kg	1	7/19/2021 3:04:00 PM	61377
Ethylbenzene	ND	0.047		mg/Kg	1	7/19/2021 3:04:00 PM	61377
Xylenes, Total	ND	0.094		mg/Kg	1	7/19/2021 3:04:00 PM	61377
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	7/19/2021 3:04:00 PM	61377

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

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

Page 8 of 28

Analytical Report

Lab Order 2107821

Date Reported: 7/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-2 3'

Project: Jackson B5 Jackson 5

Collection Date: 7/15/2021 9:56:00 AM

Lab ID: 2107821-009

Matrix: SOIL

Received Date: 7/16/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	430	60		mg/Kg	20	7/21/2021 5:07:32 PM	61453
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	32	20		mg/Kg	2	7/21/2021 4:35:19 PM	61384
Motor Oil Range Organics (MRO)	190	99		mg/Kg	2	7/21/2021 4:35:19 PM	61384
Surr: DNOP	95.0	70-130		%Rec	2	7/21/2021 4:35:19 PM	61384
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/19/2021 3:24:00 PM	61377
Surr: BFB	111	70-130		%Rec	1	7/19/2021 3:24:00 PM	61377
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	7/19/2021 3:24:00 PM	61377
Toluene	ND	0.047		mg/Kg	1	7/19/2021 3:24:00 PM	61377
Ethylbenzene	ND	0.047		mg/Kg	1	7/19/2021 3:24:00 PM	61377
Xylenes, Total	ND	0.095		mg/Kg	1	7/19/2021 3:24:00 PM	61377
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	1	7/19/2021 3:24:00 PM	61377

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

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

Page 9 of 28

Analytical Report

Lab Order 2107821

Date Reported: 7/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-2 4'

Project: Jackson B5 Jackson 5

Collection Date: 7/15/2021 9:59:00 AM

Lab ID: 2107821-010

Matrix: SOIL

Received Date: 7/16/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	930	60		mg/Kg	20	7/21/2021 5:19:57 PM	61453
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	17	9.6		mg/Kg	1	7/21/2021 4:58:56 PM	61384
Motor Oil Range Organics (MRO)	99	48		mg/Kg	1	7/21/2021 4:58:56 PM	61384
Surr: DNOP	105	70-130		%Rec	1	7/21/2021 4:58:56 PM	61384
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/19/2021 3:44:00 PM	61377
Surr: BFB	108	70-130		%Rec	1	7/19/2021 3:44:00 PM	61377
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	7/19/2021 3:44:00 PM	61377
Toluene	ND	0.049		mg/Kg	1	7/19/2021 3:44:00 PM	61377
Ethylbenzene	ND	0.049		mg/Kg	1	7/19/2021 3:44:00 PM	61377
Xylenes, Total	ND	0.098		mg/Kg	1	7/19/2021 3:44:00 PM	61377
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	7/19/2021 3:44:00 PM	61377

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

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

Page 10 of 28

Analytical Report

Lab Order 2107821

Date Reported: 7/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-3 0-1'

Project: Jackson B5 Jackson 5

Collection Date: 7/15/2021 10:10:00 AM

Lab ID: 2107821-011

Matrix: SOIL

Received Date: 7/16/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	7/21/2021 5:32:22 PM	61453
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	5200	480		mg/Kg	50	7/19/2021 12:53:53 PM	61384
Motor Oil Range Organics (MRO)	11000	2400		mg/Kg	50	7/19/2021 12:53:53 PM	61384
Surr: DNOP	0	70-130	S	%Rec	50	7/19/2021 12:53:53 PM	61384
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/19/2021 5:05:00 PM	61377
Surr: BFB	109	70-130		%Rec	1	7/19/2021 5:05:00 PM	61377
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	7/19/2021 5:05:00 PM	61377
Toluene	ND	0.047		mg/Kg	1	7/19/2021 5:05:00 PM	61377
Ethylbenzene	ND	0.047		mg/Kg	1	7/19/2021 5:05:00 PM	61377
Xylenes, Total	ND	0.093		mg/Kg	1	7/19/2021 5:05:00 PM	61377
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	7/19/2021 5:05:00 PM	61377

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

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

Page 11 of 28

Analytical Report

Lab Order 2107821

Date Reported: 7/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-3 2'

Project: Jackson B5 Jackson 5

Collection Date: 7/15/2021 10:13:00 AM

Lab ID: 2107821-012

Matrix: SOIL

Received Date: 7/16/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	7/21/2021 5:44:46 PM	61453
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	120	10		mg/Kg	1	7/21/2021 5:22:34 PM	61384
Motor Oil Range Organics (MRO)	270	50		mg/Kg	1	7/21/2021 5:22:34 PM	61384
Surr: DNOP	102	70-130		%Rec	1	7/21/2021 5:22:34 PM	61384
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/19/2021 5:45:00 PM	61377
Surr: BFB	109	70-130		%Rec	1	7/19/2021 5:45:00 PM	61377
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	7/19/2021 5:45:00 PM	61377
Toluene	ND	0.047		mg/Kg	1	7/19/2021 5:45:00 PM	61377
Ethylbenzene	ND	0.047		mg/Kg	1	7/19/2021 5:45:00 PM	61377
Xylenes, Total	ND	0.094		mg/Kg	1	7/19/2021 5:45:00 PM	61377
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	1	7/19/2021 5:45:00 PM	61377

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

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

Page 12 of 28

Analytical Report

Lab Order 2107821

Date Reported: 7/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-3 3'

Project: Jackson B5 Jackson 5

Collection Date: 7/15/2021 10:16:00 AM

Lab ID: 2107821-013

Matrix: SOIL

Received Date: 7/16/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	99	60		mg/Kg	20	7/21/2021 5:57:10 PM	61453
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	15	9.9		mg/Kg	1	7/19/2021 6:35:57 PM	61384
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/19/2021 6:35:57 PM	61384
Surr: DNOP	112	70-130		%Rec	1	7/19/2021 6:35:57 PM	61384
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	7/19/2021 6:05:00 PM	61377
Surr: BFB	109	70-130		%Rec	1	7/19/2021 6:05:00 PM	61377
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	7/19/2021 6:05:00 PM	61377
Toluene	ND	0.046		mg/Kg	1	7/19/2021 6:05:00 PM	61377
Ethylbenzene	ND	0.046		mg/Kg	1	7/19/2021 6:05:00 PM	61377
Xylenes, Total	ND	0.093		mg/Kg	1	7/19/2021 6:05:00 PM	61377
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	1	7/19/2021 6:05:00 PM	61377

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

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

Analytical Report

Lab Order 2107821

Date Reported: 7/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-3 4'

Project: Jackson B5 Jackson 5

Collection Date: 7/15/2021 10:19:00 AM

Lab ID: 2107821-014

Matrix: SOIL

Received Date: 7/16/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	370	59		mg/Kg	20	7/21/2021 6:34:24 PM	61453
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	150	19		mg/Kg	2	7/21/2021 5:46:35 PM	61384
Motor Oil Range Organics (MRO)	380	97		mg/Kg	2	7/21/2021 5:46:35 PM	61384
Surr: DNOP	90.9	70-130		%Rec	2	7/21/2021 5:46:35 PM	61384
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/19/2021 6:25:00 PM	61377
Surr: BFB	105	70-130		%Rec	1	7/19/2021 6:25:00 PM	61377
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	7/19/2021 6:25:00 PM	61377
Toluene	ND	0.049		mg/Kg	1	7/19/2021 6:25:00 PM	61377
Ethylbenzene	ND	0.049		mg/Kg	1	7/19/2021 6:25:00 PM	61377
Xylenes, Total	ND	0.098		mg/Kg	1	7/19/2021 6:25:00 PM	61377
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	7/19/2021 6:25:00 PM	61377

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

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

Page 14 of 28

Analytical Report

Lab Order 2107821

Date Reported: 7/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-4 0-1'

Project: Jackson B5 Jackson 5

Collection Date: 7/15/2021 10:25:00 AM

Lab ID: 2107821-015

Matrix: SOIL

Received Date: 7/16/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	370	60		mg/Kg	20	7/21/2021 6:46:49 PM	61453
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/19/2021 6:48:18 PM	61384
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/19/2021 6:48:18 PM	61384
Surr: DNOP	123	70-130		%Rec	1	7/19/2021 6:48:18 PM	61384
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/19/2021 6:45:00 PM	61377
Surr: BFB	110	70-130		%Rec	1	7/19/2021 6:45:00 PM	61377
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	7/19/2021 6:45:00 PM	61377
Toluene	ND	0.049		mg/Kg	1	7/19/2021 6:45:00 PM	61377
Ethylbenzene	ND	0.049		mg/Kg	1	7/19/2021 6:45:00 PM	61377
Xylenes, Total	ND	0.098		mg/Kg	1	7/19/2021 6:45:00 PM	61377
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	7/19/2021 6:45:00 PM	61377

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

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

Page 15 of 28

Analytical Report

Lab Order 2107821

Date Reported: 7/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-4 2'

Project: Jackson B5 Jackson 5

Collection Date: 7/15/2021 10:28:00 AM

Lab ID: 2107821-016

Matrix: SOIL

Received Date: 7/16/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	690	60		mg/Kg	20	7/21/2021 6:59:14 PM	61453
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/19/2021 7:25:15 PM	61384
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/19/2021 7:25:15 PM	61384
Surr: DNOP	109	70-130		%Rec	1	7/19/2021 7:25:15 PM	61384
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/19/2021 7:05:00 PM	61377
Surr: BFB	106	70-130		%Rec	1	7/19/2021 7:05:00 PM	61377
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	7/19/2021 7:05:00 PM	61377
Toluene	ND	0.049		mg/Kg	1	7/19/2021 7:05:00 PM	61377
Ethylbenzene	ND	0.049		mg/Kg	1	7/19/2021 7:05:00 PM	61377
Xylenes, Total	ND	0.097		mg/Kg	1	7/19/2021 7:05:00 PM	61377
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	7/19/2021 7:05:00 PM	61377

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

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

Page 16 of 28

Analytical Report

Lab Order 2107821

Date Reported: 7/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-4 3'

Project: Jackson B5 Jackson 5

Collection Date: 7/15/2021 10:31:00 AM

Lab ID: 2107821-017

Matrix: SOIL

Received Date: 7/16/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	710	61		mg/Kg	20	7/21/2021 7:11:39 PM	61453
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/19/2021 7:37:17 PM	61384
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/19/2021 7:37:17 PM	61384
Surr: DNOP	110	70-130		%Rec	1	7/19/2021 7:37:17 PM	61384
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/19/2021 7:25:00 PM	61377
Surr: BFB	109	70-130		%Rec	1	7/19/2021 7:25:00 PM	61377
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	7/19/2021 7:25:00 PM	61377
Toluene	ND	0.048		mg/Kg	1	7/19/2021 7:25:00 PM	61377
Ethylbenzene	ND	0.048		mg/Kg	1	7/19/2021 7:25:00 PM	61377
Xylenes, Total	ND	0.097		mg/Kg	1	7/19/2021 7:25:00 PM	61377
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	7/19/2021 7:25:00 PM	61377

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

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

Page 17 of 28

Analytical Report

Lab Order 2107821

Date Reported: 7/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-4 4'

Project: Jackson B5 Jackson 5

Collection Date: 7/15/2021 10:34:00 AM

Lab ID: 2107821-018

Matrix: SOIL

Received Date: 7/16/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	840	60		mg/Kg	20	7/21/2021 7:24:04 PM	61453
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/19/2021 7:49:39 PM	61384
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/19/2021 7:49:39 PM	61384
Surr: DNOP	110	70-130		%Rec	1	7/19/2021 7:49:39 PM	61384
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/19/2021 7:45:00 PM	61377
Surr: BFB	107	70-130		%Rec	1	7/19/2021 7:45:00 PM	61377
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	7/19/2021 7:45:00 PM	61377
Toluene	ND	0.048		mg/Kg	1	7/19/2021 7:45:00 PM	61377
Ethylbenzene	ND	0.048		mg/Kg	1	7/19/2021 7:45:00 PM	61377
Xylenes, Total	ND	0.096		mg/Kg	1	7/19/2021 7:45:00 PM	61377
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	7/19/2021 7:45:00 PM	61377

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

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

Page 18 of 28

Analytical Report

Lab Order 2107821

Date Reported: 7/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-5 0-1'

Project: Jackson B5 Jackson 5

Collection Date: 7/15/2021 10:50:00 AM

Lab ID: 2107821-019

Matrix: SOIL

Received Date: 7/16/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1600	60		mg/Kg	20	7/21/2021 7:36:28 PM	61453
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	9000	200		mg/Kg	20	7/19/2021 2:44:01 PM	61384
Motor Oil Range Organics (MRO)	6400	990		mg/Kg	20	7/19/2021 2:44:01 PM	61384
Surr: DNOP	0	70-130	S	%Rec	20	7/19/2021 2:44:01 PM	61384
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	7/19/2021 8:05:00 PM	61377
Surr: BFB	117	70-130		%Rec	5	7/19/2021 8:05:00 PM	61377
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.12		mg/Kg	5	7/19/2021 8:05:00 PM	61377
Toluene	ND	0.24		mg/Kg	5	7/19/2021 8:05:00 PM	61377
Ethylbenzene	ND	0.24		mg/Kg	5	7/19/2021 8:05:00 PM	61377
Xylenes, Total	ND	0.47		mg/Kg	5	7/19/2021 8:05:00 PM	61377
Surr: 4-Bromofluorobenzene	113	70-130		%Rec	5	7/19/2021 8:05:00 PM	61377

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

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

Page 19 of 28

Analytical Report

Lab Order 2107821

Date Reported: 7/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-5 2'

Project: Jackson B5 Jackson 5

Collection Date: 7/15/2021 10:53:00 AM

Lab ID: 2107821-020

Matrix: SOIL

Received Date: 7/16/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	880	60		mg/Kg	20	7/21/2021 7:48:52 PM	61453
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	950	96		mg/Kg	10	7/19/2021 4:09:24 PM	61384
Motor Oil Range Organics (MRO)	890	480		mg/Kg	10	7/19/2021 4:09:24 PM	61384
Surr: DNOP	0	70-130	S	%Rec	10	7/19/2021 4:09:24 PM	61384
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	7/19/2021 8:25:00 PM	61377
Surr: BFB	116	70-130		%Rec	5	7/19/2021 8:25:00 PM	61377
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.12		mg/Kg	5	7/19/2021 8:25:00 PM	61377
Toluene	ND	0.24		mg/Kg	5	7/19/2021 8:25:00 PM	61377
Ethylbenzene	ND	0.24		mg/Kg	5	7/19/2021 8:25:00 PM	61377
Xylenes, Total	ND	0.48		mg/Kg	5	7/19/2021 8:25:00 PM	61377
Surr: 4-Bromofluorobenzene	115	70-130		%Rec	5	7/19/2021 8:25:00 PM	61377

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

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

Page 20 of 28

Analytical Report

Lab Order 2107821

Date Reported: 7/28/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-5 3'R

Project: Jackson B5 Jackson 5

Collection Date: 7/15/2021 10:56:00 AM

Lab ID: 2107821-021

Matrix: SOIL

Received Date: 7/16/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	350	60		mg/Kg	20	7/21/2021 9:28:10 PM	61458
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	290	9.7		mg/Kg	1	7/22/2021 9:16:05 AM	61385
Motor Oil Range Organics (MRO)	260	48		mg/Kg	1	7/22/2021 9:16:05 AM	61385
Surr: DNOP	118	70-130		%Rec	1	7/22/2021 9:16:05 AM	61385
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/20/2021 12:25:00 AM	61380
Surr: BFB	111	70-130		%Rec	1	7/20/2021 12:25:00 AM	61380
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	7/20/2021 12:25:00 AM	61380
Toluene	ND	0.049		mg/Kg	1	7/20/2021 12:25:00 AM	61380
Ethylbenzene	ND	0.049		mg/Kg	1	7/20/2021 12:25:00 AM	61380
Xylenes, Total	ND	0.098		mg/Kg	1	7/20/2021 12:25:00 AM	61380
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	7/20/2021 12:25:00 AM	61380

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

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

Page 21 of 28

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107821

28-Jul-21

Client: Talon Artesia
Project: Jackson B5 Jackson 5

Sample ID: MB-61453	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 61453	RunNo: 79940								
Prep Date: 7/21/2021	Analysis Date: 7/21/2021	SeqNo: 2813705 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-61453	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 61453	RunNo: 79940								
Prep Date: 7/21/2021	Analysis Date: 7/21/2021	SeqNo: 2813706 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.4	90	110			

Sample ID: MB-61453	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 61453	RunNo: 79956								
Prep Date: 7/21/2021	Analysis Date: 7/21/2021	SeqNo: 2813905 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-61453	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 61453	RunNo: 79956								
Prep Date: 7/21/2021	Analysis Date: 7/21/2021	SeqNo: 2813906 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	98.9	90	110			

Sample ID: MB-61458	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 61458	RunNo: 79956								
Prep Date: 7/21/2021	Analysis Date: 7/21/2021	SeqNo: 2813927 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-61458	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 61458	RunNo: 79956								
Prep Date: 7/21/2021	Analysis Date: 7/21/2021	SeqNo: 2813928 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.5	90	110			

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

Page 22 of 28

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107821

28-Jul-21

Client: Talon Artesia
Project: Jackson B5 Jackson 5

Sample ID: MB-61385	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 61385	RunNo: 79894								
Prep Date: 7/17/2021	Analysis Date: 7/19/2021	SeqNo: 2812267 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								
Surr: DNOP	12		10.00		117	70	130			

Sample ID: LCS-61385	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 61385	RunNo: 79894								
Prep Date: 7/17/2021	Analysis Date: 7/19/2021	SeqNo: 2812268 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	86.1	68.9	141			
Surr: DNOP	5.1		5.000		102	70	130			

Sample ID: MB-61384	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 61384	RunNo: 79895								
Prep Date: 7/17/2021	Analysis Date: 7/19/2021	SeqNo: 2812444 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								
Surr: DNOP	11		10.00		111	70	130			

Sample ID: LCS-61384	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 61384	RunNo: 79895								
Prep Date: 7/17/2021	Analysis Date: 7/19/2021	SeqNo: 2812445 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	84.1	68.9	141			
Surr: DNOP	5.0		5.000		99.1	70	130			

Sample ID: 2107821-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: BG-1 0-1'	Batch ID: 61384	RunNo: 79895								
Prep Date: 7/17/2021	Analysis Date: 7/19/2021	SeqNo: 2812447 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	37	9.7	48.59	0	76.4	15	184			
Surr: DNOP	4.2		4.859		86.1	70	130			

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

Page 23 of 28

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107821

28-Jul-21

Client: Talon Artesia
Project: Jackson B5 Jackson 5

Sample ID: 2107821-001AMSD		SampType: MSD			TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: BG-1 0-1'		Batch ID: 61384			RunNo: 79895					
Prep Date: 7/17/2021		Analysis Date: 7/19/2021			SeqNo: 2812449		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	9.8	48.78	0	92.8	15	184	19.7	23.9	
Surr: DNOP	5.4		4.878		112	70	130	0	0	

Sample ID: 2107821-021AMS		SampType: MS			TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: S-5 3'R		Batch ID: 61385			RunNo: 79997					
Prep Date: 7/17/2021		Analysis Date: 7/22/2021			SeqNo: 2814963		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	310	9.7	48.31	147.6	331	15	184			S
Surr: DNOP	4.8		4.831		100	70	130			

Sample ID: 2107821-021AMSD		SampType: MSD		TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: S-5 3'R	Batch ID: 61385			RunNo: 79997						
Prep Date: 7/17/2021	Analysis Date: 7/22/2021			SeqNo: 2814964		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	320	9.9	49.55	147.6	338	15	184	2.53	23.9	S
Surr: DNOP	5.0		4.955		100	70	130	0	0	

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

Page 24 of 28

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107821

28-Jul-21

Client: Talon Artesia
Project: Jackson B5 Jackson 5

Sample ID: mb-61377	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 61377			RunNo: 79890						
Prep Date: 7/16/2021	Analysis Date: 7/19/2021			SeqNo: 2811700		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1200		1000		115	70	130			

Sample ID: mb-61380	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 61380			RunNo: 79890						
Prep Date: 7/16/2021	Analysis Date: 7/20/2021			SeqNo: 2811701		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		112	70	130			

Sample ID: lcs-61377	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 61377			RunNo: 79890						
Prep Date: 7/16/2021	Analysis Date: 7/19/2021			SeqNo: 2811702		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	99.8	78.6	131			
Surr: BFB	1200		1000		123	70	130			

Sample ID: lcs-61380	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 61380			RunNo: 79890						
Prep Date: 7/16/2021	Analysis Date: 7/19/2021			SeqNo: 2811703		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	94.8	78.6	131			
Surr: BFB	1200		1000		119	70	130			

Sample ID: 2107821-001ams	SampType: MS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: BG-1 0-1'	Batch ID: 61377			RunNo: 79890						
Prep Date: 7/16/2021	Analysis Date: 7/19/2021			SeqNo: 2811704		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	24.98	0	95.6	61.3	114			
Surr: BFB	1200		999.0		121	70	130			

Sample ID: 2107821-021ams	SampType: MS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: S-5 3'R	Batch ID: 61380			RunNo: 79890						
Prep Date: 7/16/2021	Analysis Date: 7/20/2021			SeqNo: 2811705		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

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

Page 25 of 28

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107821

28-Jul-21

Client: Talon Artesia
Project: Jackson B5 Jackson 5

Sample ID: 2107821-021ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S-5 3'R	Batch ID: 61380	RunNo: 79890								
Prep Date: 7/16/2021	Analysis Date: 7/20/2021	SeqNo: 2811705 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.9	24.70	0	95.7	61.3	114			
Surr: BFB	1200		988.1		120	70	130			

Sample ID: 2107821-001amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: BG-1 0-1'	Batch ID: 61377	RunNo: 79890								
Prep Date: 7/16/2021	Analysis Date: 7/19/2021	SeqNo: 2811706 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	24.80	0	91.2	61.3	114	5.49	20	
Surr: BFB	1200		992.1		125	70	130	0	0	

Sample ID: 2107821-021amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S-5 3'R	Batch ID: 61380	RunNo: 79890								
Prep Date: 7/16/2021	Analysis Date: 7/20/2021	SeqNo: 2811707 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.9	24.53	0	96.0	61.3	114	0.355	20	
Surr: BFB	1200		981.4		122	70	130	0	0	

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

Page 26 of 28

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107821

28-Jul-21

Client: Talon Artesia
Project: Jackson B5 Jackson 5

Sample ID: mb-61377	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 61377	RunNo: 79890								
Prep Date: 7/16/2021	Analysis Date: 7/19/2021	SeqNo: 2811763 Units: mg/Kg								
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		114	70	130			

Sample ID: mb-61380	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 61380	RunNo: 79890								
Prep Date: 7/16/2021	Analysis Date: 7/20/2021	SeqNo: 2811764 Units: mg/Kg								
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		110	70	130			

Sample ID: lcs-61377	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 61377	RunNo: 79890								
Prep Date: 7/16/2021	Analysis Date: 7/19/2021	SeqNo: 2811765 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	95.5	80	120			
Toluene	0.97	0.050	1.000	0	96.6	80	120			
Ethylbenzene	0.98	0.050	1.000	0	97.9	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.5	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		114	70	130			

Sample ID: lcs-61380	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 61380	RunNo: 79890								
Prep Date: 7/16/2021	Analysis Date: 7/19/2021	SeqNo: 2811766 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.025	1.000	0	99.3	80	120			
Toluene	0.99	0.050	1.000	0	99.1	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		112	70	130			

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

Page 27 of 28

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2107821

28-Jul-21

Client: Talon Artesia
Project: Jackson B5 Jackson 5

Sample ID: 2107821-002ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: BG-2 0-1'	Batch ID: 61377	RunNo: 79890								
Prep Date: 7/16/2021	Analysis Date: 7/19/2021	SeqNo: 2811767	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.024	0.9775	0	87.7	80	120			
Toluene	0.91	0.049	0.9775	0	93.4	80	120			
Ethylbenzene	0.95	0.049	0.9775	0	97.7	80	120			
Xylenes, Total	2.9	0.098	2.933	0	98.4	80	120			
Surr: 4-Bromofluorobenzene	1.1		0.9775		110	70	130			

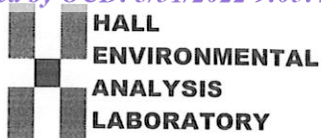
Sample ID: 2107821-002amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: BG-2 0-1'	Batch ID: 61377	RunNo: 79890								
Prep Date: 7/16/2021	Analysis Date: 7/19/2021	SeqNo: 2811769	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	0.9921	0	88.4	80	120	2.22	20	
Toluene	0.94	0.050	0.9921	0	94.9	80	120	3.02	20	
Ethylbenzene	0.97	0.050	0.9921	0	97.4	80	120	1.25	20	
Xylenes, Total	2.9	0.099	2.976	0	97.7	80	120	0.753	20	
Surr: 4-Bromofluorobenzene	1.1		0.9921		111	70	130	0	0	

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

Page 28 of 28



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 Name: **Talon Artesia**Work Order Number: **2107821**

RcptNo: 1

Received By: **Cheyenne Cason** 7/16/2021 7:40:00 AMCompleted By: **Isaiah Ortiz** 7/16/2021 8:00:10 AMReviewed By: **JR 7/16/21**

Chad
I-OK

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly 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 broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
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 ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: **KPG 7/16/21**

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.4	Good	Not Present			

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Chain-of-Custody Record				Turn-Around Time: 4-Day	
Client: Talon LPE		<input type="checkbox"/> Standard <input type="checkbox"/> Rush			
Mailing Address: 408 W. Texas Ave		Project Name:			
Artesia, NM 88210		Jackson B5 (Jackson 5)			
Phone #: 575.746.8768		Project #: 700438.262.01			
email or Fax#:		Project Manager: R. Pons			
QA/QC Package:		Sampler: J. Carnes			
<input type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)		On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Accreditation: <input type="checkbox"/> Az Compliance		# of Coolers: 6			
<input type="checkbox"/> NELAC <input type="checkbox"/> Other		Cooler Temp (including CF): 3.4 - 0 = 3.4			
<input type="checkbox"/> EDD (Type)		Container Type and # Preservative Type HEAL No.			
Date	Time	Matrix	Sample Name	Glass Jar	Ice/Cool
7/15/2021	10:16	Soil	S-3 3'		013
	10:19		S-3 4'		014
	10:25		S-4 0-1'		015
	10:28		S-4 2'		016
	10:31		S-4 3'		017
	10:34		S-4 4'		018
	10:50		S-5 0-1'		019
	10:53		S-5 2'		020
	10:56		S-5 3'R		021
Date:	Time:	Relinquished by:	Received by:	Via:	Date Time
7/15/21	1230	[Signature]	[Signature]	7/15/21	1230
Date:	Time:	Relinquished by:	Received by:	Via:	Date Time
7/15/21	1900	[Signature]	[Signature]	7/15/21	0200

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



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

August 11, 2021

Rebecca Pons
Talon Artesia
408 West Texas Ave
Artesia, NM 88210
TEL:
FAX

RE: Jackson B 5 Jackson

OrderNo.: 2108216

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 9 sample(s) on 8/5/2021 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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2108216

Date Reported: 8/11/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-1A 5'

Project: Jackson B 5 Jackson

Collection Date: 8/4/2021 11:25:00 AM

Lab ID: 2108216-001

Matrix: SOIL

Received Date: 8/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	500	60		mg/Kg	20	8/9/2021 8:30:02 PM	61847
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/9/2021 8:03:47 PM	61821
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/9/2021 8:03:47 PM	61821
Surr: DNOP	99.9	70-130		%Rec	1	8/9/2021 8:03:47 PM	61821
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/6/2021 11:51:00 AM	61792
Surr: BFB	105	70-130		%Rec	1	8/6/2021 11:51:00 AM	61792
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	8/6/2021 11:51:00 AM	61792
Toluene	ND	0.047		mg/Kg	1	8/6/2021 11:51:00 AM	61792
Ethylbenzene	ND	0.047		mg/Kg	1	8/6/2021 11:51:00 AM	61792
Xylenes, Total	ND	0.095		mg/Kg	1	8/6/2021 11:51:00 AM	61792
Surr: 4-Bromofluorobenzene	92.8	70-130		%Rec	1	8/6/2021 11:51:00 AM	61792

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

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

Page 1 of 13

Analytical Report

Lab Order 2108216

Date Reported: 8/11/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-2A 4'

Project: Jackson B 5 Jackson

Collection Date: 8/4/2021 8:48:00 AM

Lab ID: 2108216-002

Matrix: SOIL

Received Date: 8/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	160	60		mg/Kg	20	8/9/2021 8:42:27 PM	61847
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	8/9/2021 8:16:37 PM	61821
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/9/2021 8:16:37 PM	61821
Surr: DNOP	98.4	70-130		%Rec	1	8/9/2021 8:16:37 PM	61821
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/6/2021 12:11:00 PM	61792
Surr: BFB	103	70-130		%Rec	1	8/6/2021 12:11:00 PM	61792
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	8/6/2021 12:11:00 PM	61792
Toluene	ND	0.050		mg/Kg	1	8/6/2021 12:11:00 PM	61792
Ethylbenzene	ND	0.050		mg/Kg	1	8/6/2021 12:11:00 PM	61792
Xylenes, Total	ND	0.099		mg/Kg	1	8/6/2021 12:11:00 PM	61792
Surr: 4-Bromofluorobenzene	91.4	70-130		%Rec	1	8/6/2021 12:11:00 PM	61792

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

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

Page 2 of 13

Analytical Report

Lab Order 2108216

Date Reported: 8/11/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-3A 5'

Project: Jackson B 5 Jackson

Collection Date: 8/4/2021 11:30:00 AM

Lab ID: 2108216-003

Matrix: SOIL

Received Date: 8/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	470	60		mg/Kg	20	8/9/2021 8:54:51 PM	61847
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	8/9/2021 8:29:22 PM	61821
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/9/2021 8:29:22 PM	61821
Surr: DNOP	101	70-130		%Rec	1	8/9/2021 8:29:22 PM	61821
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/6/2021 12:31:00 PM	61792
Surr: BFB	96.0	70-130		%Rec	1	8/6/2021 12:31:00 PM	61792
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	8/6/2021 12:31:00 PM	61792
Toluene	ND	0.048		mg/Kg	1	8/6/2021 12:31:00 PM	61792
Ethylbenzene	ND	0.048		mg/Kg	1	8/6/2021 12:31:00 PM	61792
Xylenes, Total	ND	0.096		mg/Kg	1	8/6/2021 12:31:00 PM	61792
Surr: 4-Bromofluorobenzene	86.6	70-130		%Rec	1	8/6/2021 12:31:00 PM	61792

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

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

Analytical Report

Lab Order 2108216

Date Reported: 8/11/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-4A 4'

Project: Jackson B 5 Jackson

Collection Date: 8/4/2021 8:54:00 AM

Lab ID: 2108216-004

Matrix: SOIL

Received Date: 8/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	200	60		mg/Kg	20	8/9/2021 9:07:15 PM	61847
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	10	9.6		mg/Kg	1	8/9/2021 8:42:11 PM	61821
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/9/2021 8:42:11 PM	61821
Surr: DNOP	100	70-130		%Rec	1	8/9/2021 8:42:11 PM	61821
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/6/2021 12:51:00 PM	61792
Surr: BFB	101	70-130		%Rec	1	8/6/2021 12:51:00 PM	61792
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	8/6/2021 12:51:00 PM	61792
Toluene	ND	0.050		mg/Kg	1	8/6/2021 12:51:00 PM	61792
Ethylbenzene	ND	0.050		mg/Kg	1	8/6/2021 12:51:00 PM	61792
Xylenes, Total	ND	0.099		mg/Kg	1	8/6/2021 12:51:00 PM	61792
Surr: 4-Bromofluorobenzene	87.5	70-130		%Rec	1	8/6/2021 12:51:00 PM	61792

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

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

Page 4 of 13

Analytical Report

Lab Order 2108216

Date Reported: 8/11/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-5A 4'

Project: Jackson B 5 Jackson

Collection Date: 8/4/2021 8:57:00 AM

Lab ID: 2108216-005

Matrix: SOIL

Received Date: 8/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	200	60		mg/Kg	20	8/9/2021 9:19:40 PM	61847
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	9.8	9.7		mg/Kg	1	8/9/2021 8:55:09 PM	61821
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/9/2021 8:55:09 PM	61821
Surr: DNOP	104	70-130		%Rec	1	8/9/2021 8:55:09 PM	61821
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/6/2021 1:11:00 PM	61792
Surr: BFB	103	70-130		%Rec	1	8/6/2021 1:11:00 PM	61792
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	8/6/2021 1:11:00 PM	61792
Toluene	ND	0.050		mg/Kg	1	8/6/2021 1:11:00 PM	61792
Ethylbenzene	ND	0.050		mg/Kg	1	8/6/2021 1:11:00 PM	61792
Xylenes, Total	ND	0.099		mg/Kg	1	8/6/2021 1:11:00 PM	61792
Surr: 4-Bromofluorobenzene	87.0	70-130		%Rec	1	8/6/2021 1:11:00 PM	61792

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

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

Analytical Report

Lab Order 2108216

Date Reported: 8/11/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: N-SW 4'

Project: Jackson B 5 Jackson

Collection Date: 8/4/2021 9:00:00 AM

Lab ID: 2108216-006

Matrix: SOIL

Received Date: 8/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	500	60		mg/Kg	20	8/9/2021 9:56:53 PM	61847
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/9/2021 9:08:03 PM	61821
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/9/2021 9:08:03 PM	61821
Surr: DNOP	91.9	70-130		%Rec	1	8/9/2021 9:08:03 PM	61821
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/6/2021 1:31:00 PM	61792
Surr: BFB	103	70-130		%Rec	1	8/6/2021 1:31:00 PM	61792
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	8/6/2021 1:31:00 PM	61792
Toluene	ND	0.048		mg/Kg	1	8/6/2021 1:31:00 PM	61792
Ethylbenzene	ND	0.048		mg/Kg	1	8/6/2021 1:31:00 PM	61792
Xylenes, Total	ND	0.095		mg/Kg	1	8/6/2021 1:31:00 PM	61792
Surr: 4-Bromofluorobenzene	90.7	70-130		%Rec	1	8/6/2021 1:31:00 PM	61792

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

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

Page 6 of 13

Analytical Report

Lab Order 2108216

Date Reported: 8/11/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: E-SW 4'

Project: Jackson B 5 Jackson

Collection Date: 8/4/2021 9:03:00 AM

Lab ID: 2108216-007

Matrix: SOIL

Received Date: 8/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	500	60		mg/Kg	20	8/9/2021 10:09:18 PM	61847
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	8/9/2021 9:21:06 PM	61821
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	8/9/2021 9:21:06 PM	61821
Surr: DNOP	92.3	70-130		%Rec	1	8/9/2021 9:21:06 PM	61821
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/6/2021 2:31:00 PM	61792
Surr: BFB	99.2	70-130		%Rec	1	8/6/2021 2:31:00 PM	61792
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	8/6/2021 2:31:00 PM	61792
Toluene	ND	0.048		mg/Kg	1	8/6/2021 2:31:00 PM	61792
Ethylbenzene	ND	0.048		mg/Kg	1	8/6/2021 2:31:00 PM	61792
Xylenes, Total	ND	0.096		mg/Kg	1	8/6/2021 2:31:00 PM	61792
Surr: 4-Bromofluorobenzene	87.0	70-130		%Rec	1	8/6/2021 2:31:00 PM	61792

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

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

Page 7 of 13

Analytical Report

Lab Order 2108216

Date Reported: 8/11/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: W-SW 4'

Project: Jackson B 5 Jackson

Collection Date: 8/4/2021 9:06:00 AM

Lab ID: 2108216-008

Matrix: SOIL

Received Date: 8/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	59		mg/Kg	20	8/9/2021 10:21:42 PM	61847
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/9/2021 9:33:59 PM	61821
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/9/2021 9:33:59 PM	61821
Surr: DNOP	91.8	70-130		%Rec	1	8/9/2021 9:33:59 PM	61821
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/6/2021 2:52:00 PM	61792
Surr: BFB	100	70-130		%Rec	1	8/6/2021 2:52:00 PM	61792
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	8/6/2021 2:52:00 PM	61792
Toluene	ND	0.049		mg/Kg	1	8/6/2021 2:52:00 PM	61792
Ethylbenzene	ND	0.049		mg/Kg	1	8/6/2021 2:52:00 PM	61792
Xylenes, Total	ND	0.099		mg/Kg	1	8/6/2021 2:52:00 PM	61792
Surr: 4-Bromofluorobenzene	87.0	70-130		%Rec	1	8/6/2021 2:52:00 PM	61792

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

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

Page 8 of 13

Analytical Report

Lab Order 2108216

Date Reported: 8/11/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-SW 4'

Project: Jackson B 5 Jackson

Collection Date: 8/4/2021 9:09:00 AM

Lab ID: 2108216-009

Matrix: SOIL

Received Date: 8/5/2021 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	330	60		mg/Kg	20	8/9/2021 10:34:06 PM	61847
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/9/2021 9:47:08 PM	61821
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/9/2021 9:47:08 PM	61821
Surr: DNOP	94.5	70-130		%Rec	1	8/9/2021 9:47:08 PM	61821
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/6/2021 3:12:00 PM	61792
Surr: BFB	98.1	70-130		%Rec	1	8/6/2021 3:12:00 PM	61792
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	8/6/2021 3:12:00 PM	61792
Toluene	ND	0.048		mg/Kg	1	8/6/2021 3:12:00 PM	61792
Ethylbenzene	ND	0.048		mg/Kg	1	8/6/2021 3:12:00 PM	61792
Xylenes, Total	ND	0.096		mg/Kg	1	8/6/2021 3:12:00 PM	61792
Surr: 4-Bromofluorobenzene	86.6	70-130		%Rec	1	8/6/2021 3:12:00 PM	61792

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2108216

11-Aug-21

Client: Talon Artesia
Project: Jackson B 5 Jackson

Sample ID: MB-61847		SampType: MBLK		TestCode: EPA Method 300.0: Anions						
Client ID: PBS		Batch ID: 61847		RunNo: 80395						
Prep Date: 8/9/2021		Analysis Date: 8/9/2021		SeqNo: 2833935			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-61847		SampType: LCS		TestCode: EPA Method 300.0: Anions						
Client ID: LCSS		Batch ID: 61847		RunNo: 80395						
Prep Date: 8/9/2021		Analysis Date: 8/9/2021		SeqNo: 2833936			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.0	90	110			

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

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2108216

11-Aug-21

Client: Talon Artesia
Project: Jackson B 5 Jackson

Sample ID: MB-61822	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 61822		RunNo: 80403							
Prep Date: 8/6/2021	Analysis Date: 8/9/2021		SeqNo: 2833764		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.3		10.00		83.5	70	130			

Sample ID: LCS-61822	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 61822		RunNo: 80403							
Prep Date: 8/6/2021	Analysis Date: 8/9/2021		SeqNo: 2833765		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.0		5.000		80.0	70	130			

Sample ID: MB-61821	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 61821		RunNo: 80403							
Prep Date: 8/6/2021	Analysis Date: 8/9/2021		SeqNo: 2834485		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								
Surr: DNOP	10		10.00		102	70	130			

Sample ID: LCS-61821	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 61821		RunNo: 80403							
Prep Date: 8/6/2021	Analysis Date: 8/9/2021		SeqNo: 2834486		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.2	68.9	141			
Surr: DNOP	4.8		5.000		96.1	70	130			

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

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2108216

11-Aug-21

Client: Talon Artesia
Project: Jackson B 5 Jackson

Sample ID: lcs-61792	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 61792			RunNo: 80376						
Prep Date: 8/5/2021	Analysis Date: 8/6/2021			SeqNo: 2832515		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	118	78.6	131			
Surr: BFB	1200		1000		121	70	130			

Sample ID: mb-61792	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 61792			RunNo: 80376						
Prep Date: 8/5/2021	Analysis Date: 8/6/2021			SeqNo: 2832516		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		100	70	130			

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

QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2108216

11-Aug-21

Client: Talon Artesia
Project: Jackson B 5 Jackson

Sample ID: mb-61792	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 61792	RunNo: 80376								
Prep Date: 8/5/2021	Analysis Date: 8/6/2021	SeqNo: 2832541 Units: mg/Kg								
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	0.91		1.000		90.9	70	130			

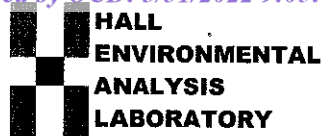
Sample ID: lcs-61792	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 61792	RunNo: 80376								
Prep Date: 8/5/2021	Analysis Date: 8/6/2021	SeqNo: 2832542 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	95.7	80	120			
Toluene	0.96	0.050	1.000	0	95.8	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.2	80	120			
Xylenes, Total	3.0	0.10	3.000	0	100	80	120			
Surr: 4-Bromofluorobenzene	0.93		1.000		92.7	70	130			

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

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 Name: Talon Artesia

Work Order Number: 2108216

RcptNo: 1

Received By: Cheyenne Cason 8/5/2021 7:00:00 AM

Completed By: Desiree Dominguez 8/5/2021 8:09:02 AM

Reviewed By: SPA 8-5-21

Cason

Dominguez

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly 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 broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
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 ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: JN 8/5/21

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date:

By Whom:

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.5	Good				

Chain-of-Custody Record

Client: Talon LPE

Mailing Address: 408 W. Texas Ave
Artesia, NM 88210

Phone #: 575.746.8768

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
 Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type) _____

Turn-Around Time: 4-Day
☐ Standard ☐ Rush

Project Name: Jackson B 5 (Jackson)

Project #: 700438.262.01

Project Manager: R. Pons

Sampler: J. Carnes

On Ice: ☒ Yes ☐ No

of Coolers: 1

Cooler Temp (including 60 min): 27-0 2-23

Container Type and #

Preservative Type

HEAL No: 2108216

Glass Jar

Ice/Cool

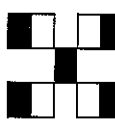
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No
8/4/2021	11:25	Soil	S-1A 5'			-001
	8:48		S-2A 4'			-002
	11:30		S-3A 5'			-003
	8:54		S-4A 4'			-004
	8:57		S-5A 4'			-005
	9:00		N-SW 4'			-006
	9:03		E-SW 4'			-007
	9:06		W-SW 4'			-008
	9:09		S-SW 4'			-009

Relinquished by: *[Signature]* Date: 8/4/21 Time: 1310

Relinquished by: *[Signature]* Date: 8/4/21 Time: 1900

Received by: *[Signature]* Date: 8/4/21 Time: 1310

Received by: *[Signature]* Date: 8/15/21 Time: 0700



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

C	H	L	O	R	I	D	E	S	B	T	E	X
X	X	X	X	X	X	X	X	X	X	X	X	X

Remarks: Bill direct to EOG (Bob Asher)



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

February 14, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: JACKSON B 5

Enclosed are the results of analyses for samples received by the laboratory on 02/09/22 13:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/09/2022
 Reported: 02/14/2022
 Project Name: JACKSON B 5
 Project Number: 700438.287.01
 Project Location: EOG - EDDY CO NM

Sampling Date: 02/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 6 A 4' (H220507-01)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2022	ND	2.03	102	2.00	5.12	
Toluene*	<0.050	0.050	02/10/2022	ND	2.02	101	2.00	5.17	
Ethylbenzene*	<0.050	0.050	02/10/2022	ND	1.95	97.3	2.00	5.58	
Total Xylenes*	<0.150	0.150	02/10/2022	ND	6.04	101	6.00	5.48	
Total BTEX	<0.300	0.300	02/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/10/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2022	ND	196	98.0	200	1.81	
DRO >C10-C28*	<10.0	10.0	02/11/2022	ND	194	96.8	200	8.34	
EXT DRO >C28-C36	<10.0	10.0	02/11/2022	ND					

Surrogate: 1-Chlorooctane 87.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.2 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/09/2022
 Reported: 02/14/2022
 Project Name: JACKSON B 5
 Project Number: 700438.287.01
 Project Location: EOG - EDDY CO NM

Sampling Date: 02/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 7 A 4' (H220507-02)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2022	ND	2.03	102	2.00	5.12	
Toluene*	<0.050	0.050	02/10/2022	ND	2.02	101	2.00	5.17	
Ethylbenzene*	<0.050	0.050	02/10/2022	ND	1.95	97.3	2.00	5.58	
Total Xylenes*	<0.150	0.150	02/10/2022	ND	6.04	101	6.00	5.48	
Total BTEx	<0.300	0.300	02/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/10/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/12/2022	ND	196	98.0	200	1.81	
DRO >C10-C28*	<10.0	10.0	02/12/2022	ND	194	96.8	200	8.34	
EXT DRO >C28-C36	<10.0	10.0	02/12/2022	ND					

Surrogate: 1-Chlorooctane 83.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/09/2022
 Reported: 02/14/2022
 Project Name: JACKSON B 5
 Project Number: 700438.287.01
 Project Location: EOG - EDDY CO NM

Sampling Date: 02/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 8 A 4' (H220507-03)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2022	ND	2.03	102	2.00	5.12	
Toluene*	<0.050	0.050	02/10/2022	ND	2.02	101	2.00	5.17	
Ethylbenzene*	<0.050	0.050	02/10/2022	ND	1.95	97.3	2.00	5.58	
Total Xylenes*	<0.150	0.150	02/10/2022	ND	6.04	101	6.00	5.48	
Total BTEx	<0.300	0.300	02/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/10/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/12/2022	ND	196	98.0	200	1.81	
DRO >C10-C28*	<10.0	10.0	02/12/2022	ND	194	96.8	200	8.34	
EXT DRO >C28-C36	<10.0	10.0	02/12/2022	ND					

Surrogate: 1-Chlorooctane 84.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 93.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/09/2022
 Reported: 02/14/2022
 Project Name: JACKSON B 5
 Project Number: 700438.287.01
 Project Location: EOG - EDDY CO NM

Sampling Date: 02/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 9 A 4' (H220507-04)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2022	ND	2.03	102	2.00	5.12	
Toluene*	<0.050	0.050	02/10/2022	ND	2.02	101	2.00	5.17	
Ethylbenzene*	<0.050	0.050	02/10/2022	ND	1.95	97.3	2.00	5.58	
Total Xylenes*	<0.150	0.150	02/10/2022	ND	6.04	101	6.00	5.48	
Total BTEX	<0.300	0.300	02/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	02/10/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/12/2022	ND	196	98.0	200	1.81	
DRO >C10-C28*	<10.0	10.0	02/12/2022	ND	194	96.8	200	8.34	
EXT DRO >C28-C36	<10.0	10.0	02/12/2022	ND					

Surrogate: 1-Chlorooctane 88.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/09/2022
 Reported: 02/14/2022
 Project Name: JACKSON B 5
 Project Number: 700438.287.01
 Project Location: EOG - EDDY CO NM

Sampling Date: 02/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 10 A 4' (H220507-05)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/10/2022	ND	2.03	102	2.00	5.12		
Toluene*	<0.050	0.050	02/10/2022	ND	2.02	101	2.00	5.17		
Ethylbenzene*	<0.050	0.050	02/10/2022	ND	1.95	97.3	2.00	5.58		
Total Xylenes*	<0.150	0.150	02/10/2022	ND	6.04	101	6.00	5.48		
Total BTEx	<0.300	0.300	02/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	02/10/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/12/2022	ND	196	98.0	200	1.81	
DRO >C10-C28*	<10.0	10.0	02/12/2022	ND	194	96.8	200	8.34	
EXT DRO >C28-C36	<10.0	10.0	02/12/2022	ND					

Surrogate: 1-Chlorooctane 93.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/09/2022
 Reported: 02/14/2022
 Project Name: JACKSON B 5
 Project Number: 700438.287.01
 Project Location: EOG - EDDY CO NM

Sampling Date: 02/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 11 A 4' (H220507-06)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2022	ND	2.03	102	2.00	5.12	
Toluene*	<0.050	0.050	02/10/2022	ND	2.02	101	2.00	5.17	
Ethylbenzene*	<0.050	0.050	02/10/2022	ND	1.95	97.3	2.00	5.58	
Total Xylenes*	<0.150	0.150	02/10/2022	ND	6.04	101	6.00	5.48	
Total BTEx	<0.300	0.300	02/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	02/10/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/12/2022	ND	196	98.0	200	1.81	
DRO >C10-C28*	<10.0	10.0	02/12/2022	ND	194	96.8	200	8.34	
EXT DRO >C28-C36	<10.0	10.0	02/12/2022	ND					

Surrogate: 1-Chlorooctane 86.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.5 % 59.5-142

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Analytical Results For:

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

Received: 02/09/2022
 Reported: 02/14/2022
 Project Name: JACKSON B 5
 Project Number: 700438.287.01
 Project Location: EOG - EDDY CO NM

Sampling Date: 02/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 12 A 4' (H220507-07)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/10/2022	ND	2.03	102	2.00	5.12	
Toluene*	<0.050	0.050	02/10/2022	ND	2.02	101	2.00	5.17	
Ethylbenzene*	<0.050	0.050	02/10/2022	ND	1.95	97.3	2.00	5.58	
Total Xylenes*	<0.150	0.150	02/10/2022	ND	6.04	101	6.00	5.48	
Total BTEX	<0.300	0.300	02/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/10/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/12/2022	ND	196	98.0	200	1.81	
DRO >C10-C28*	<10.0	10.0	02/12/2022	ND	194	96.8	200	8.34	
EXT DRO >C28-C36	<10.0	10.0	02/12/2022	ND					

Surrogate: 1-Chlorooctane 92.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 101 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/09/2022
 Reported: 02/14/2022
 Project Name: JACKSON B 5
 Project Number: 700438.287.01
 Project Location: EOG - EDDY CO NM

Sampling Date: 02/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 13 A 4' (H220507-08)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2022	ND	2.03	102	2.00	5.12	
Toluene*	<0.050	0.050	02/11/2022	ND	2.02	101	2.00	5.17	
Ethylbenzene*	<0.050	0.050	02/11/2022	ND	1.95	97.3	2.00	5.58	
Total Xylenes*	<0.150	0.150	02/11/2022	ND	6.04	101	6.00	5.48	
Total BTEx	<0.300	0.300	02/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/10/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/12/2022	ND	196	98.0	200	1.81	
DRO >C10-C28*	<10.0	10.0	02/12/2022	ND	194	96.8	200	8.34	
EXT DRO >C28-C36	<10.0	10.0	02/12/2022	ND					

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 121 % 59.5-142

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Analytical Results For:

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

Received: 02/09/2022
 Reported: 02/14/2022
 Project Name: JACKSON B 5
 Project Number: 700438.287.01
 Project Location: EOG - EDDY CO NM

Sampling Date: 02/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 14 A 4' (H220507-09)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2022	ND	2.03	102	2.00	5.12	
Toluene*	<0.050	0.050	02/11/2022	ND	2.02	101	2.00	5.17	
Ethylbenzene*	<0.050	0.050	02/11/2022	ND	1.95	97.3	2.00	5.58	
Total Xylenes*	<0.150	0.150	02/11/2022	ND	6.04	101	6.00	5.48	
Total BTEx	<0.300	0.300	02/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	02/10/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2022	ND	181	90.7	200	1.27	
DRO >C10-C28*	<10.0	10.0	02/11/2022	ND	201	100	200	5.93	
EXT DRO >C28-C36	<10.0	10.0	02/11/2022	ND					

Surrogate: 1-Chlorooctane 85.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/09/2022
 Reported: 02/14/2022
 Project Name: JACKSON B 5
 Project Number: 700438.287.01
 Project Location: EOG - EDDY CO NM

Sampling Date: 02/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 15 A 4' (H220507-10)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/11/2022	ND	2.03	102	2.00	5.12		
Toluene*	<0.050	0.050	02/11/2022	ND	2.02	101	2.00	5.17		
Ethylbenzene*	<0.050	0.050	02/11/2022	ND	1.95	97.3	2.00	5.58		
Total Xylenes*	<0.150	0.150	02/11/2022	ND	6.04	101	6.00	5.48		
Total BTEx	<0.300	0.300	02/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/10/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2022	ND	181	90.7	200	1.27	
DRO >C10-C28*	<10.0	10.0	02/11/2022	ND	201	100	200	5.93	
EXT DRO >C28-C36	<10.0	10.0	02/11/2022	ND					

Surrogate: 1-Chlorooctane 84.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 89.5 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/09/2022
 Reported: 02/14/2022
 Project Name: JACKSON B 5
 Project Number: 700438.287.01
 Project Location: EOG - EDDY CO NM

Sampling Date: 02/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 16 A 4' (H220507-11)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2022	ND	2.03	102	2.00	5.12	
Toluene*	<0.050	0.050	02/11/2022	ND	2.02	101	2.00	5.17	
Ethylbenzene*	<0.050	0.050	02/11/2022	ND	1.95	97.3	2.00	5.58	
Total Xylenes*	<0.150	0.150	02/11/2022	ND	6.04	101	6.00	5.48	
Total BTEx	<0.300	0.300	02/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/10/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2022	ND	181	90.7	200	1.27	
DRO >C10-C28*	<10.0	10.0	02/11/2022	ND	201	100	200	5.93	
EXT DRO >C28-C36	<10.0	10.0	02/11/2022	ND					

Surrogate: 1-Chlorooctane 89.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/09/2022
 Reported: 02/14/2022
 Project Name: JACKSON B 5
 Project Number: 700438.287.01
 Project Location: EOG - EDDY CO NM

Sampling Date: 02/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 17 A 4' (H220507-12)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2022	ND	2.03	102	2.00	5.12	
Toluene*	<0.050	0.050	02/11/2022	ND	2.02	101	2.00	5.17	
Ethylbenzene*	<0.050	0.050	02/11/2022	ND	1.95	97.3	2.00	5.58	
Total Xylenes*	<0.150	0.150	02/11/2022	ND	6.04	101	6.00	5.48	
Total BTEx	<0.300	0.300	02/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/10/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/11/2022	ND	181	90.7	200	1.27	
DRO >C10-C28*	<10.0	10.0	02/11/2022	ND	201	100	200	5.93	
EXT DRO >C28-C36	<10.0	10.0	02/11/2022	ND					

Surrogate: 1-Chlorooctane 85.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/09/2022
 Reported: 02/14/2022
 Project Name: JACKSON B 5
 Project Number: 700438.287.01
 Project Location: EOG - EDDY CO NM

Sampling Date: 02/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 18 A 4' (H220507-13)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2022	ND	2.03	102	2.00	5.12	
Toluene*	<0.050	0.050	02/11/2022	ND	2.02	101	2.00	5.17	
Ethylbenzene*	<0.050	0.050	02/11/2022	ND	1.95	97.3	2.00	5.58	
Total Xylenes*	<0.150	0.150	02/11/2022	ND	6.04	101	6.00	5.48	
Total BTEx	<0.300	0.300	02/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/10/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/12/2022	ND	199	99.6	200	0.210	
DRO >C10-C28*	<10.0	10.0	02/12/2022	ND	212	106	200	0.961	
EXT DRO >C28-C36	<10.0	10.0	02/12/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 116 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/09/2022
 Reported: 02/14/2022
 Project Name: JACKSON B 5
 Project Number: 700438.287.01
 Project Location: EOG - EDDY CO NM

Sampling Date: 02/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 19 A 4' (H220507-14)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2022	ND	2.03	102	2.00	5.12	
Toluene*	<0.050	0.050	02/11/2022	ND	2.02	101	2.00	5.17	
Ethylbenzene*	<0.050	0.050	02/11/2022	ND	1.95	97.3	2.00	5.58	
Total Xylenes*	<0.150	0.150	02/11/2022	ND	6.04	101	6.00	5.48	
Total BTEx	<0.300	0.300	02/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	02/10/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/12/2022	ND	199	99.6	200	0.210	
DRO >C10-C28*	<10.0	10.0	02/12/2022	ND	212	106	200	0.961	
EXT DRO >C28-C36	<10.0	10.0	02/12/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 116 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/09/2022
 Reported: 02/14/2022
 Project Name: JACKSON B 5
 Project Number: 700438.287.01
 Project Location: EOG - EDDY CO NM

Sampling Date: 02/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 20 A 4' (H220507-15)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2022	ND	2.03	102	2.00	5.12	
Toluene*	<0.050	0.050	02/11/2022	ND	2.02	101	2.00	5.17	
Ethylbenzene*	<0.050	0.050	02/11/2022	ND	1.95	97.3	2.00	5.58	
Total Xylenes*	<0.150	0.150	02/11/2022	ND	6.04	101	6.00	5.48	
Total BTEx	<0.300	0.300	02/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	02/10/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/12/2022	ND	199	99.6	200	0.210	
DRO >C10-C28*	<10.0	10.0	02/12/2022	ND	212	106	200	0.961	
EXT DRO >C28-C36	<10.0	10.0	02/12/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 121 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/09/2022
 Reported: 02/14/2022
 Project Name: JACKSON B 5
 Project Number: 700438.287.01
 Project Location: EOG - EDDY CO NM

Sampling Date: 02/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 21 A 4' (H220507-16)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2022	ND	2.03	102	2.00	5.12	
Toluene*	0.142	0.050	02/11/2022	ND	2.02	101	2.00	5.17	
Ethylbenzene*	0.056	0.050	02/11/2022	ND	1.95	97.3	2.00	5.58	
Total Xylenes*	<0.150	0.150	02/11/2022	ND	6.04	101	6.00	5.48	
Total BTX	<0.300	0.300	02/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	02/10/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/12/2022	ND	199	99.6	200	0.210	
DRO >C10-C28*	66.7	10.0	02/12/2022	ND	212	106	200	0.961	
EXT DRO >C28-C36	75.0	10.0	02/12/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 124 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/09/2022
 Reported: 02/14/2022
 Project Name: JACKSON B 5
 Project Number: 700438.287.01
 Project Location: EOG - EDDY CO NM

Sampling Date: 02/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 22 A 4' (H220507-17)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2022	ND	2.03	102	2.00	5.12	
Toluene*	<0.050	0.050	02/11/2022	ND	2.02	101	2.00	5.17	
Ethylbenzene*	<0.050	0.050	02/11/2022	ND	1.95	97.3	2.00	5.58	
Total Xylenes*	<0.150	0.150	02/11/2022	ND	6.04	101	6.00	5.48	
Total BTEx	<0.300	0.300	02/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/10/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/12/2022	ND	199	99.6	200	0.210	
DRO >C10-C28*	<10.0	10.0	02/12/2022	ND	212	106	200	0.961	
EXT DRO >C28-C36	<10.0	10.0	02/12/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 120 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 02/09/2022
 Reported: 02/14/2022
 Project Name: JACKSON B 5
 Project Number: 700438.287.01
 Project Location: EOG - EDDY CO NM

Sampling Date: 02/02/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 23 A 4' (H220507-18)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/11/2022	ND	2.01	100	2.00	9.05	
Toluene*	<0.050	0.050	02/11/2022	ND	1.98	99.2	2.00	9.54	
Ethylbenzene*	<0.050	0.050	02/11/2022	ND	1.92	95.8	2.00	9.32	
Total Xylenes*	<0.150	0.150	02/11/2022	ND	5.98	99.6	6.00	8.85	
Total BTEx	<0.300	0.300	02/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/10/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/12/2022	ND	199	99.6	200	0.210	
DRO >C10-C28*	<10.0	10.0	02/12/2022	ND	212	106	200	0.961	
EXT DRO >C28-C36	<10.0	10.0	02/12/2022	ND					

Surrogate: 1-Chlorooctane 93.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 106 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

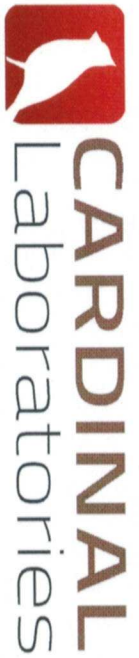


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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon LPE		P.O.#:
Project Manager: R. Pons		Company:
Address: 408 W. Texas Ave		Attn:
City: Artesia		State: NM zip: 88210
Phone #: 575.746.8768		Fax #:
Project #: 700438.287.01		Project Owner: EOG
		City:
Project Name: Jackson B 5		State:
Project Location: Eddy County		Zip:
Sample Name: James, Matt		Phone #:
Fax #:		
FOR LAB USE ONLY		MATRIX PRESERV SAMPLING
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :
H220587	S-6A 4'	X
1	S-7A 4'	X
2	S-8A 4'	X
3	S-9A 4'	X
4	S-10A 4'	X
5	S-11A 4'	X
6	S-12A 4'	X
7	S-13A 4'	X
8	S-14A 4'	X
9	S-15A 4'	X
10		
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		TIME
Relinquished By:		Date: 8-9-22 Time: 1:30 PM Received By: [Signature] Date: 8-9-22 Time: 1:30 PM
Reinquinshed By:		Date: _____ Time: _____ Received By: [Signature]
Delivered By: (Circle One) <input checked="" type="checkbox"/> UPS <input type="checkbox"/> Bus <input type="checkbox"/> Other		Sample Condition Cool Intact Yes No CHECKED BY: (Initials)
Sampler - UPS - Bus - Other		REMARKS: Bill to Chase-Settle @ EOB Resources.com Email results to mgomez@talonlpe.com and jcarnes@talonlpe.com



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon LPE		BILL TO		ANALYSIS REQUEST																					
Project Manager: R. Pons		P.O. #:																							
Address: 408 W. Texas Ave		Company:																							
City: Artesia		Attn:																							
State: NM zip: 88210		Address:																							
Phone #: 575.746.8768		City:																							
Fax #: 575.746.8768		State:																							
Project #: 700438.287.01		Zip:																							
Project Owner: EOG		Phone #:																							
Project Name: Jackson B 5		Fax #:																							
Project Location: Eddy County																									
Sampler Name: James, Matt																									
FOR LAB USE ONLY																									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX		PRESERV	SAMPLING	CL	TPH	BTex															
11 S-16A 4'	6	1	GROUNDWATER	X	SOIL	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	10:40													
12 S-17A 4'			WASTEWATER							2/2/23		10:50													
13 S-18A 4'			SOIL	X						2/2/23		11:20													
14 S-19A 4'			OIL							2/2/23		11:30													
15 S-20A 4'			SLUDGE							2/2/23		11:40													
16 S-21A 4'			OTHER :							2/2/23		1:00													
17 S-22A 4'			ACID/BASE:							2/2/23		1:10													
18 S-23A 4'			ICE / COOL							2/2/23		1:20													
			OTHER :																						

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Relinquished By: _____ Date: 3-9-22 Time: 1345
Received By: _____
Time: _____
Relinquished By: _____ Date: _____ Time: _____
Received By: _____

Delivered By: (Circle One) 3.72 C.O.S. Sample Condition Cool Intact ☒ Yes ☐ No
Sampler - UPS - Bus - Other: 3.22 #13 ☐ Yes ☒ No

CHECKED BY: (Initials) EO

Phone Result: ☐ Yes ☐ No Add'l Phone #: _____
Fax Result: ☐ Yes ☐ No Add'l Fax #: _____

REMARKS: _____

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

Page 2 of 2



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

February 21, 2022

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: JACKSON B 5

Enclosed are the results of analyses for samples received by the laboratory on 02/16/22 14:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/16/2022
 Reported: 02/21/2022
 Project Name: JACKSON B 5
 Project Number: 700438.287.01
 Project Location: EOG - EDDY CO NM

Sampling Date: 02/15/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: S - 21 A 5' (H220606-01)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/19/2022	ND	2.06	103	2.00	1.57	
Toluene*	<0.050	0.050	02/19/2022	ND	2.05	103	2.00	2.09	
Ethylbenzene*	<0.050	0.050	02/19/2022	ND	1.97	98.6	2.00	1.20	
Total Xylenes*	<0.150	0.150	02/19/2022	ND	6.12	102	6.00	0.966	
Total BTEX	<0.300	0.300	02/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/17/2022	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/18/2022	ND	201	100	200	0.151	
DRO >C10-C28*	<10.0	10.0	02/18/2022	ND	205	103	200	1.38	
EXT DRO >C28-C36	<10.0	10.0	02/18/2022	ND					

Surrogate: 1-Chlorooctane 86.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.2 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Incident ID	nAPP2122331745
District RP	
Facility ID	
Application ID	

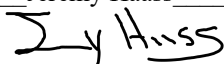
Closure

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

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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Jeremy Haass Title: Safety and Environmental Specialist
Signature:  Date: 3/10/2022
email: Jeremy_Haass@eogresources.com Telephone: 575-748-4311

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by:  Date: 04/20/2022
Printed Name: Jennifer Nobui Title: Environmental Specialist A

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
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
District IV
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 94688

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 94688
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	4/20/2022