

talonlpe.com • 866.742.0742



## Remediation and Closure Report

Hackberry 26 Fed Com 1H  
Eddy County, New Mexico  
API # 30-015-43856  
Incident # **Nvv2002839011**

### Prepared For:

Cimarex Energy  
600 N Marienfeld Ste 60  
Midland, TX 79701

### Prepared By:

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

**Rev. October 19 2020**

Mr. Mike Bratcher  
**NMOCD District 2**  
811 S. 1<sup>st</sup> Street  
Artesia, NM 88210

Mr. Jim Amos  
**BLM**  
620 E. Greene St.  
Carlsbad, NM 88220

Subject: **Remediation and Closure Report**  
Hackberry 26 Fed Com 1H  
Eddy County, NM  
API # 30-015-43856

Dear Mr. Bratcher,

Emergency Response & Training Solutions Company (ERTS) has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above-referenced location. The results of our site assessment and remediation activities are contained herein.

### Site Information

The Hackberry Battery is located approximately 24 miles northeast of Carlsbad, New Mexico. The legal location for this release is Unit Letter A, Section 26, Township 19 South and Range 30 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.6360706 North and -103.9375763 West. Site plans are presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of Pajarito loamy fine sand, 0 to 3 percent slopes. The referenced soil data is attached in [Appendix II](#). The local surface and shallow geology are Holocene to upper Pleistocene in age and is comprised of alluvial deposits. Drainage courses in this area are well drained. The project site is located in a high Karst potential area (Figure 5, [Appendix I](#)).

## Groundwater and Site Characterization

The New Mexico Office of the State Engineer web site indicates that the nearest reported depth to groundwater is 65-feet below ground surface (BGS). See [Appendix II](#) for the referenced groundwater data.

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

Approximate Depth to Groundwater		65 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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Within an unstable area	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Within a 100-year floodplain	

As this incident occurred in an unstable area that is categorized as critical karst, the closure criteria for this site is as follows:

Table I Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method	Limit
≤ 50 feet	Chloride	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

On May 06, 2019, 7barrels (bbls) of produced water (of which non-was recovered) were released due to human error. An oil hauler overfilled the tank on the transport ruck while loading. An initial C-141 was submitted on May 07, 2019 and is provided in [Appendix III](#). The Incident Number assigned to this incident is **Nvv2002839011**.

### Site Assessment

On August 07, 2019 Talon mobilized personnel to begin site assessment and soil sampling activities. Grab soil samples were initially collected from the impacted area utilizing a hand auger. All soil samples were properly contained, preserved and Transported to Cardinal Laboratories for analyses of Chloride (SM4500Cl-B), BTEX (8021B), and TPH (8015M). Analytical results from our initial sampling events are presented in the following data table. Initial site assessment sample positions are illustrated on Figure 3, in [Appendix I](#). Complete laboratory reports can be found in [Appendix VI](#).



Table 1 : Initial Soil Sample Analysis

Sample ID	Depth (ft.)	Date	BTEX (mg/kg)	Benzene (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	Total TPH (mg/kg)	Cl (mg/kg)
Closure Criteria 19.15.29.12 NMAC			50 mg/kg	10 mg/kg				100 mg/kg	600 mg/kg
S-1	0	8/7/2019	ND	ND	ND	102	129	<b>231</b>	64
S-1	1	8/7/2019	ND	ND	ND	41.5	44.3	85.8	48
S-1	2	8/7/2019	ND	ND	ND	ND	ND	-	32
S-2	0	8/7/2019	ND	ND	ND	ND	ND	-	256
S-2	1	8/7/2019	ND	ND	ND	ND	ND	-	80
S-2	2	8/7/2019	ND	ND	ND	ND	ND	-	32
S-3	0	8/7/2019	0.711	ND	<b>88.8</b>	<b>10200</b>	<b>2800</b>	<b>13088.8</b>	80
	1	8/7/2019	ND	ND	ND	ND	ND	-	16
	2	8/7/2019	ND	ND	ND	ND	ND	-	30
S-4	0	8/7/2019	ND	ND	ND	<b>5920</b>	<b>1120</b>	<b>7040</b>	<b>688</b>
	1	8/7/2019	ND	ND	ND	ND	24.1	24.1	224
	2	8/7/2019	ND	ND	ND	ND	ND	ND	32
S-5	0	8/7/2019	ND	ND	ND	<b>2120</b>	<b>772</b>	<b>2892</b>	208
	1	08/7/2019	ND	ND	ND	<b>110</b>	<b>28.6</b>	<b>138.6</b>	96
	2	08/07/2019	ND	ND	ND	17.8	ND	17.8	96
S-6	0	08/07/2019	ND	ND	ND	<b>332</b>	<b>134</b>	<b>468</b>	48
	1	08/07/2019	ND	ND	ND	ND	ND	ND	64
	2	08/07/2019	ND	ND	ND	ND	ND	ND	32
S-7	0	08/07/2019	ND	ND	ND	ND	ND	ND	160
	1	08/07/2019	ND	ND	ND	ND	ND	ND	48
	2	08/07/2019	ND	ND	ND	ND	ND	ND	16
S-8	0	08/07/2019	ND	ND	ND	25.4	12.9	38.3	80
	1	08/7/2019	ND	ND	ND	ND	ND	ND	48
	2	08/07/2019	ND	ND	ND	ND	ND	ND	32

ND = Analyte Not Detected

Based on the results of our site assessment and upon client authorization, excavation activities commenced on April 20, 2020. Approximately 0.5' bgs. was excavated throughout the impacted area. Confirmation samples were collected at the base of sidewalls which also serve as bottom confirmation of soil analytes and that NMOCD closure criteria had been met, for the analytes of concern. The results of which can be found in the following data table. Confirmation sample locations and excavation dimensions can be found on Figure 4 in [Appendix I](#). Complete laboratory reports are attached in [Appendix VI](#).

Table 2: Confirmation Soil Sample Analysis

Sample ID	Depth (ft.)	Date	BTEX (mg/kg)	Benzene (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	Total TPH (mg/kg)	Cl (mg/kg)
Closure Criteria 19.15.29.12 NMAC			50 mg/kg	10 mg/kg				100 mg/kg	600 mg/kg
S-1 S SW	.5'	4/15/2020	NT	NT	ND	420	310	<b>730</b>	NT
S-2 S SW	.5'	4/15/2020	NT	NT	ND	3400	1600	<b>5000</b>	NT
S-3 W SW	.5'	4/15/2020	NT	NT	46	5900	2400	<b>8300</b>	NT
S-4 N SW	.5'	4/15/2020	NT	NT	ND	300	260	<b>560</b>	NT
S-5 N SW	.5'	4/15/2020	NT	NT	ND	800	540	<b>1340</b>	NT
S-6 E SW	.5'	4/15/2020	NT	NT	ND	280	310	<b>590</b>	NT
S-7 E SW	.5'	4/15/2020	NT	NT	ND	1500	1200	<b>2700</b>	NT

ND = Analyte Not Detected

SW = Sidewall Soil Sample

NT = Analyte Not Tested

On May 08,2020 based on the laboratory results from the sidewall excavation, Talon equipment and personnel returned to the Hackberry. All of the above referenced sidewall positions (S1 thru S7) were further excavated horizontally in an effort to remove Petroleum Hydrocarbons to the extent that regulatory remediation levels could be achieved. The sample positions are slightly different to that of the event dated April 15,2020 however the sample position labels were maintained for ease of reference in delineation efforts, sample locations can be viewed in [Appendix I](#). Composite samples were grabbed of the sidewalls, properly contained, preserved, and transported to Hall Laboratories for analysis of the constituency of concern. Below is a table referencing the results. The supporting laboratory analyses can be viewed in [Appendix VI](#).

Sample ID	Depth (ft.)	Date	BTEX (mg/kg)	Benzene (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	Total TPH (mg/kg)	Cl (mg/kg)
Closure Criteria 19.15.29.12 NMAC			50 mg/kg	10 mg/kg				100 mg/kg	600 mg/kg
S-1 S SW	.5'	5/08/2020	NT	NT	ND	1000	590	<b>1590</b>	NT
S-2 S SW	.5'	5/08/2020	NT	NT	ND	12000	5900	<b>17900</b>	NT
S-3 W SW	.5'	5/08/2020	NT	NT	ND	170	140	<b>310</b>	NT
S-4 N SW	.5'	5/08/2020	NT	NT	ND	18	ND	<b>18</b>	NT
S-5 N SW	.5'	5/08/2020	NT	NT	ND	120	130	<b>250</b>	NT
S-6 E SW	.5'	5/08/2020	NT	NT	ND	510	770	<b>1280</b>	NT

S-7 E SW	.5'	5/08/2020	NT	NT	ND	140	150	<b>290</b>	NT
----------	-----	-----------	----	----	----	-----	-----	------------	----

On May 20, 2020 based on the laboratory results and sample results from sidewalls: Talon personnel and equipment returned to the site in order to advance test trenches in each of the above referenced areas of impact, so that horizontal delineation could be ascertained. It was determined that test trenches to 4' would encompass the remaining areas of focus. An additional 1' in the sidewall was removed in the areas of S1 and S6 respectively, and stockpiled. All soil samples were properly packaged preserved and transported to Hall Environmental Analysis Laboratory, Inc., by chain of custody for analysis of TPH (Method 8015M/D), which was the analyte of concern. Below is a table of reference for the results. The complete laboratory report can be viewed in [Appendix VI](#).

Sample ID	Horizontal (ft.)	Date	BTEX (mg/kg)	Benzene (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	Total TPH (mg/kg)	Cl (mg/kg)
Closure Criteria 19.15.29.12 NMAC			50 mg/kg	10 mg/kg				100 mg/kg	600 mg/kg
TT-1	1'	5/20/2020	NT	NT	ND	30	ND	30	NT
TT-1	2'	5/20/2020	NT	NT	ND	ND	ND	ND	NT
TT-1	3'	5/20/2020	NT	NT	ND	ND	ND	ND	NT
TT-1	4'	5/20/2020	NT	NT	ND	53	ND	ND	NT
TT-2	1'	5/20/2020	NT	NT	ND	ND	ND	ND	NT
TT-2	2'	5/20/2020	NT	NT	ND	ND	ND	ND	NT
TT-2	3'	5/20/2020	NT	NT	ND	ND	ND	ND	NT
TT-2	4'	5/20/2020	NT	NT	ND	ND	ND	ND	NT
TT-3	1'	5/20/2020	NT	NT	ND	ND	ND	ND	NT
TT-3	2'	5/20/2020	NT	NT	ND	ND	ND	ND	NT
TT-6	1'	5/20/2020	NT	NT	ND	ND	ND	ND	NT
TT-6	2'	5/20/2020	NT	NT	ND	ND	ND	ND	NT
TT-6	3'	5/20/2020	NT	NT	ND	ND	ND	ND	NT
TT-6	4'	5/20/2020	NT	NT	ND	ND	ND	ND	NT
TT-7	1'	5/20/2020	NT	NT	ND	ND	ND	ND	NT
TT-7	2'	5/20/2020	NT	NT	ND	ND	ND	ND	NT

ND= Analyte Not Detected

NT= Analyte Not Tested

On June 30, 2020 Talon personnel and equipment mobilized to the site in order to further excavate the area of S2 and S3 an additional 1' bgs., as well as advance the sidewall an additional foot past the high-pressure line that traversed perpendicular to the production facility. Pursuant to the test trench results, the sidewall of S1 and S6 was advanced an additional foot horizontally. Cimarex shut in the facility due to safety concerns regarding the high-pressure line and gave consent for the remediation of this area to ensue. A composite sidewall sample was retrieved at 1' bgs. in the area of S2-S3. The soil was properly contained, preserved and transported to Hall Laboratories for analysis of TPH (Method 8015 M/D). The results are recapped below. The complete laboratory report can be viewed in [Appendix IV](#).

Sample ID	Depth (ft.)	Date	BTEX (mg/kg)	Benzene (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	Total TPH (mg/kg)	Cl (mg/kg)
Closure Criteria 19.15.29.12 NMAC			50 mg/kg	10 mg/kg				100 mg/kg	600 mg/kg
S2-S3 SW	1' Composite	6/30/2020	NT	NT	ND	11	61	72	NT

SW= Sidewall

NT= Analyte Not Tested

ND= Analyte Not Detected

On July 27, 2020 Talon personnel revisited the site in order to grab background pursuant to NMOCD guidelines, confirming that horizontal remediation had been achieved. Furthermore, that the spill footprint was confined to the pad area. Three background samples were grabbed on the East, West, and South of the remediated area. The samples were properly contained, preserved, and transported to Hall Laboratories for analysis of TPH. The results are recapped below for ease of reference. The complete Laboratory analysis can be viewed in [Appendix IV](#).

Sample ID	Horizontal (ft.)	Date	BTEX (mg/kg)	Benzene (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	Total TPH (mg/kg)	Cl (mg/kg)
Closure Criteria 19.15.29.12 NMAC			50 mg/kg	10 mg/kg				100 mg/kg	600 mg/kg
BG-East	0-1' Composite	7/27/2020	NT	NT	ND	ND	ND	-	200
BG-South	0-1' Composite		NT	NT	ND	ND	ND	-	160
BG-West	0-1' Composite		NT	NT	ND	ND	ND	-	120

NT= Analyte Not Tested

ND= Analyte Not Detected

On October 01, 2020, pursuant to the NMOCD's request, Talon personnel returned to the site in order to auger to the depths of the excavation of the remediated area at sample positions S-3, S-4, and S-5 respectively. Grab soil samples were retrieved, properly packaged, preserved, and transported to Hall Laboratories for analyses of Total Chlorides (EPA 300.0), TPH (EPA 8015M), and BTEX (EPA 8021B). Results are tabled below and the laboratory results can be referenced in [Appendix IV](#).

Sample ID	Depth (ft.)	Date	BTEX (mg/kg)	Benzene (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	Total TPH (mg/kg)	Cl (mg/kg)
Closure Criteria 19.15.29.12 NMAC			50 mg/kg	10 mg/kg				100 mg/kg	600 mg/kg
S-1	2'	10/01/2020	ND	ND	ND	ND	ND	-	ND
S-2	2'	10/01/2020	ND	ND	ND	ND	ND	-	ND
S-3	2'	10/01/2020	ND	ND	ND	ND	ND	-	ND
S-4	2'	10/01/2020	ND	ND	ND	ND	ND	-	ND

ND= Analyte Not Detected

### Remedial Actions

- The footprint of the spill area was excavated to 0.5' bgs. in its entirety.
- The impacted area surrounding sample points S2 and S3 respectively was removed to a depth of 3.0-feet.
- The sidewalls were advanced in accordance with test trench results, thereby achieving soil remediation levels in accordance with NMOCD and BLM guidelines. The results are shown in the corresponding lab reports that may be viewed in [Appendix VI](#).
- All the excavated material (542.95 tons of contaminated soil) was hauled to Lea Land, LLC, a NMOCD approved solid waste disposal facility. Disposal Manifest are appended ([Appendix VII](#)).
- The excavated areas on the well pad were backfilled with topsoil at depth followed by 1.5-feet of new caliche to grade, machine compacted and contoured to match the surrounding location. The farmland excavation to the southwest of the location was backfilled with topsoil.
- The Final C-141 formally documenting the remedial actions is attached in [Appendix III](#).

## Closure

Based on the site assessment, remedial actions and confirmation sampling results completed for this project, on behalf of ERTS and Cimarex Energy we request that no further actions be required, and that closure of this incident 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 Pons  
Project Manager

David J. Adkins  
Regional Manager

### Attachments:

Appendix I Site Maps  
Appendix II Soil Survey, Groundwater Data  
Appendix III Initial and Final C-141  
Appendix IV Boring Logs  
Appendix V Photographic Documentation  
Appendix VI Laboratory Data  
Appendix VII Disposal Manifests



# APPENDIX I

## SITE MAPS



Cimarex  
Eddy County, NM  
API 30-015-43857

Legend Page 12 of 124

Excavation Area

Samples

Spill Impact Area





# Hackberry 26 Federal Com #001H

Cimarex Energy Company  
API # 30-015-43856  
Eddy County, NM  
Sample Point Map

## Legend

- Soil Sample (Discrete)
- Test Trench





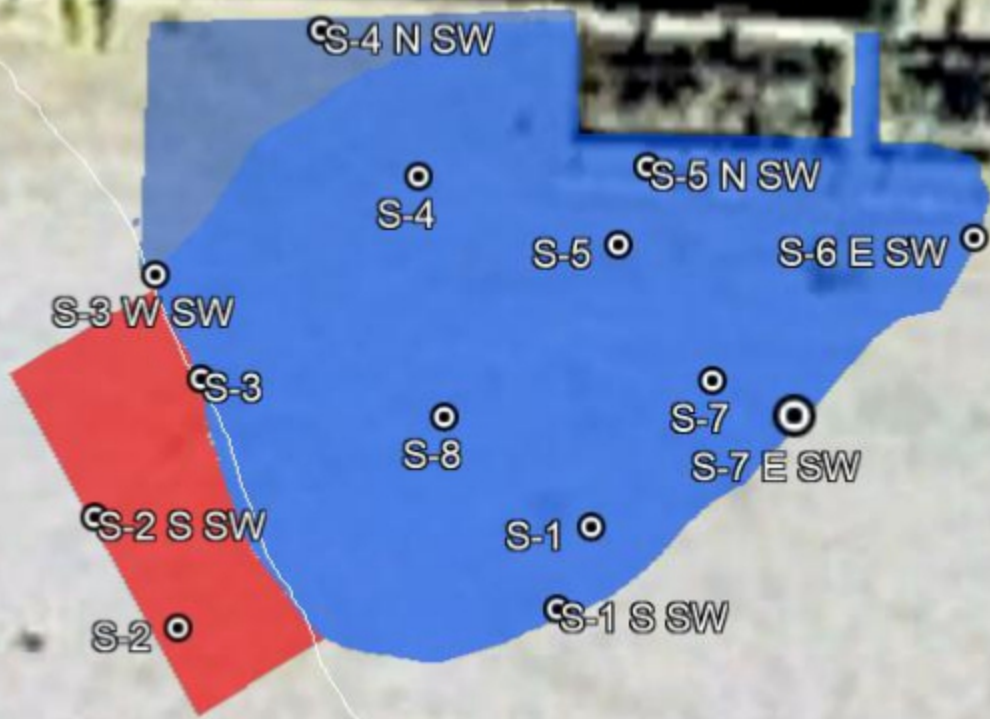
Legend

Excavation 0.5 ft.

Excavation 1.0 ft.

High Pressure Line

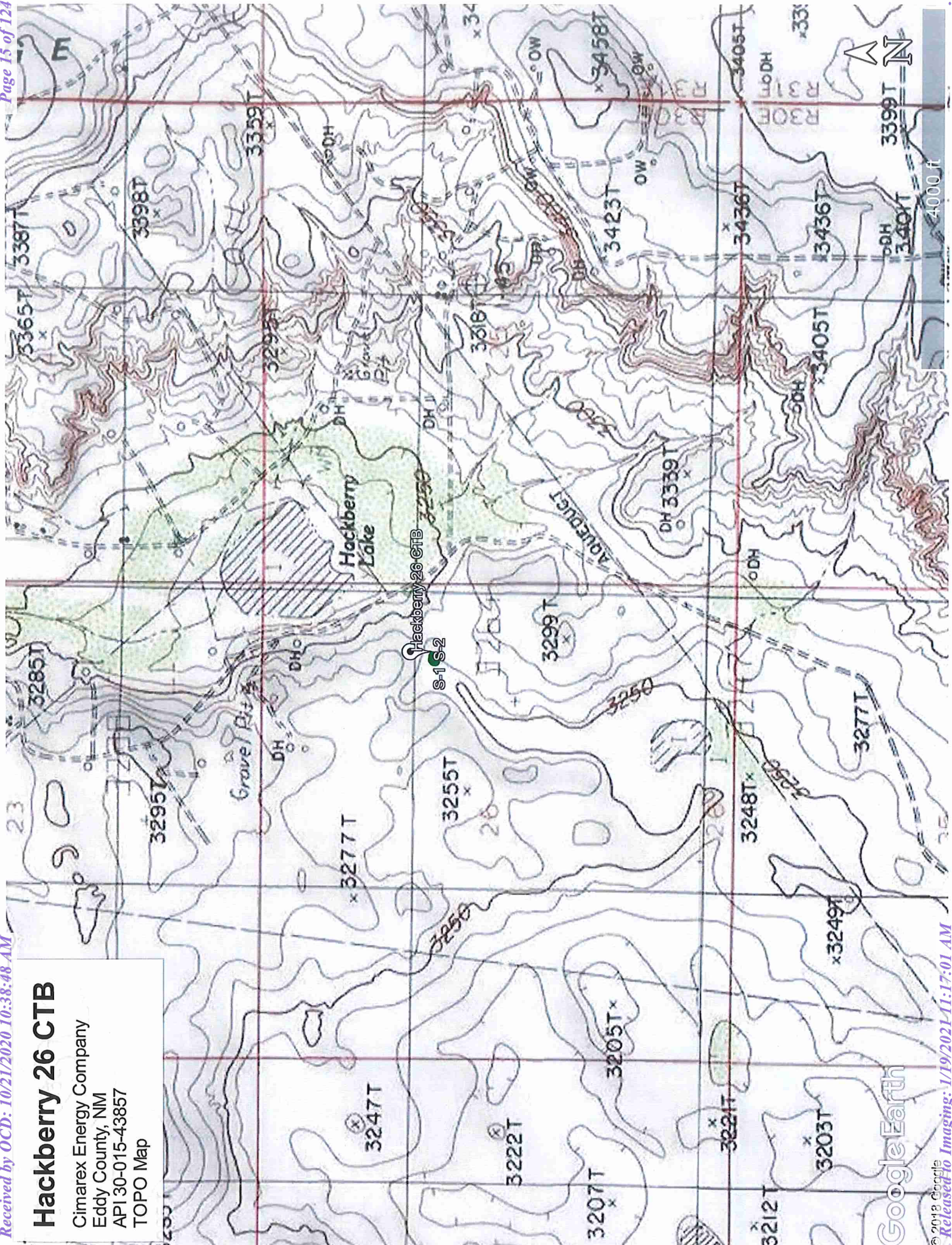
Sample Position





# Hackberry 26 CTB

Cimarex Energy Company  
Eddy County, NM  
API 30-015-43857  
TOPO Map





# Hackberry 26 CTB

Cimarex Energy Company  
Eddy County, NM  
API 30-015-43857  
Area Map



Google Earth



# Hackberry 26 CTB

Cimarex Energy Company  
Eddy County, NM  
API 30-01543857  
Karst Map

## Legend

-  Hackberry 26 CTB
-  High
-  Low
-  Medium

Hackberry 26 CTB  
S-1 S-2



1 mi

Google Earth



## APPENDIX II

# GROUNDWATER DATA

# SOIL SURVEY

# FEMA FLOOD ZONE

8/22/2019

nmwrrs.ose.state.nm.us/nmwrrs/ReportProxy?queryData=%7B"report"%3A"waterColumn"%2C%0A"BasinDiv"%3A"true"%2C%0A"Basin...



# 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	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">CP 00722 POD2</a>		CP	ED	2	1	1	25	19S	30E	600276	3611620*	727	350	65	285
<a href="#">CP 00357 POD2</a>		CP	ED	4	3	1	24	19S	30E	600265	3612627*	1603	630		
<a href="#">CP 00828 POD1</a>		CP	LE		1	1	35	19S	30E	598585	3609900*	1684	90		
<a href="#">CP 00357 POD1</a>		CP	ED	4	4	1	24	19S	30E	600667	3612631*	1774	630		
<a href="#">CP 00827 POD1</a>		CP	LE		3	3	35	19S	30E	598596	3608694*	2677	100		
<a href="#">CP 00873 POD1</a>		CP	LE		1	1	19	19S	31E	601772	3613147*	2865	340	180	160
<a href="#">CP 00822 POD1</a>		CP	LE	4	4	15	19S	30E	598148	3613516*	2902	90			

Average Depth to Water: 122 feet

Minimum Depth: 65 feet

Maximum Depth: 180 feet

Record Count: 7

UTM NAD83 Radius Search (in meters):

Easting (X): 599762.762

Northing (Y): 3611104.149

Radius: 3000

\*UTM location was derived from PLSS - see Help

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

8/22/19 11:45 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



Map Unit Description: Pajarito loamy fine sand, 0 to 3 percent slopes, eroded---Eddy Area,  
New Mexico

## Eddy Area, New Mexico

### PA—Pajarito loamy fine sand, 0 to 3 percent slopes, eroded

#### Map Unit Setting

*National map unit symbol:* 1w54

*Elevation:* 2,700 to 5,500 feet

*Mean annual precipitation:* 5 to 15 inches

*Mean annual air temperature:* 57 to 70 degrees F

*Frost-free period:* 180 to 250 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Pajarito and similar soils:* 100 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Pajarito

##### Setting

*Landform:* Interdunes, dunes, plains

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Linear, convex

*Across-slope shape:* Linear, convex

*Parent material:* Mixed alluvium and/or eolian sands

##### Typical profile

*H1 - 0 to 13 inches:* loamy fine sand

*H2 - 13 to 36 inches:* fine sandy loam

*H3 - 36 to 60 inches:* fine sandy loam

##### Properties and qualities

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Very low

*Capacity of the most limiting layer to transmit water (Ksat):* High  
(2.00 to 6.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum in profile:* 15 percent

*Salinity, maximum in profile:* Nonsaline to very slightly saline (0.0  
to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum in profile:* 1.0

*Available water storage in profile:* Moderate (about 7.9 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 2e

*Land capability classification (nonirrigated):* 7e

*Hydrologic Soil Group:* A

*Ecological site:* Loamy Sand (R042XC003NM)





Map Unit Description: Pajarito loamy fine sand, 0 to 3 percent slopes, eroded---Eddy Area,  
New Mexico

---

*Hydric soil rating:* No

#### **Minor Components**

##### **Wink**

*Percent of map unit:*

*Ecological site:* Loamy Sand (R042XC003NM)

*Hydric soil rating:* No

##### **Berino**

*Percent of map unit:*

*Ecological site:* Loamy Sand (R042XC003NM)

*Hydric soil rating:* No

#### **Data Source Information**

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 14, Sep 12, 2018



# National Flood Hazard Layer FIRMette



32°38'14.05"N



USGS The National Map: Orthoimagery. Data refreshed April, 2019.

Feet 1:6,000 2,000 1,500  
Released to Inocoging: 1/19/2024 06:17:01 AM

32°37'43.74"N

103°55'52.58"W

## Legend

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

SPECIAL FLOOD HAZARD AREAS	Without Base Flood Elevation (BFE) Zone A, V, A99
	With BFE or Depth Zone AE, AO, AH, VE, AR
	Regulatory Floodway

0.2% Annual Chance Flood Hazard, Area of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile (Zone X)
Future Conditions 1% Annual Chance Flood Hazard (Zone X)
Area with Reduced Flood Risk due to Levees. See Notes. (Zone X)
Area with Flood Risk due to Levees (Zone D)

## OTHER AREAS OF FLOOD HAZARD

NO SCREEN	Area of Minimal Flood Hazard (Zone X)
Effective LOMRS	Area of Undetermined Flood Hazard (Zone X)
Channel, Culvert, or Storm Sewer Levee, Dike, or Floodwall	

## OTHER AREAS GENERAL STRUCTURES

Cross Sections with 1% Annual Chance Water Surface Elevation
Coastal Transect
Base Flood Elevation Line (BFE)
Limit of Study
Jurisdiction Boundary
Coastal Transect Baseline
Profile Baseline
Hydrographic Feature

## OTHER FEATURES

Digital Data Available
No Digital Data Available
Unmapped

## MAP PANELS

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/22/2019 at 3:34:56 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



## APPENDIX III

### INITIAL C-141

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

State of New Mexico  
Energy Minerals and Natural  
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party Cimarex Energy	OGRID 215099
Contact Name Christine Alderman	Contact Telephone 432-853-7059
Contact email calderman@cimarex.com	Incident # (assigned by OCD)
Contact mailing address 600 N Marienfeld Ste 60, Midland, TX 79701	

### Location of Release Source

Latitude 32.6360706 Longitude -103.9375763  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Hackberry 26 Fed Com 1H	Site Type production battery
Date Release Discovered 5/6/2019	API# (if applicable) 30-015-46856

Unit Letter	Section	Township	Range	County
A	26	19S	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 type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 7	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

Oil hauler overfilled tank on truck while loading. Human error.



Incident ID	NVV2002839011
District RP	
Facility ID	
Application ID	

## Remediation Plan

**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

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

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

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

Printed Name: Christine Alderman Title: ESH Supervisor  
 Signature: Christine Alderman Date: 1-15-20  
 email: calderman@cimarex.com Telephone: 432-853-7059

**OCD Only**

Received by: Victoria Venegas Date: 01/15/2020

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

Signature: [Signature] Date: 03/16/2020

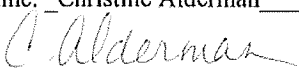
State of New Mexico  
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

## Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped.	
<input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Christine Alderman</u>	Title: <u>ESH Supervisor</u>
Signature: <u></u>	Date: <u>05/07/2019</u>
email: <u>calderman@cimarex.com</u>	Telephone: <u>432-853-7059</u>
<b><u>OCD Only</u></b>	
Received by: _____	Date: _____

Incident ID	Nvv2002839011
District RP	
Facility ID	30-015-43856
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: Rebecca S. Pons Title: Project Manager  
 Signature: \_\_\_\_\_ Date: 07/24/2020  
 email: Rpons@talonlpe.com Telephone: 575-441-0980

**OCD Only**

Received by: Cristina Eads Date: 01/19/2021

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: 01/19/2021  
 Printed Name: Cristina Eads Title: Environmental Specialist



## APPENDIX IV

# LABORATORY DATA





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

August 08, 2019

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: HACKBERRY 26 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/07/19 14:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	08/07/2019	Sampling Date:	08/07/2019
Reported:	08/08/2019	Sampling Type:	Soil
Project Name:	HACKBERRY 26 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	701901.088.01	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY CO NM		

**Sample ID: S - 1 0 (H902714-01)**

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	08/08/2019	ND	2.10	105	2.00	2.02	
Toluene*	<0.050	0.050	08/08/2019	ND	2.14	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	08/08/2019	ND	2.03	101	2.00	1.82	
Total Xylenes*	<0.150	0.150	08/08/2019	ND	6.12	102	6.00	2.27	
Total BTX	<0.300	0.300	08/08/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 98.4 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/08/2019	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	08/07/2019	ND	207	104	200	2.17	
DRO >C10-C28*	102	10.0	08/07/2019	ND	210	105	200	0.0872	
EXT DRO >C28-C36	129	10.0	08/07/2019	ND					

Surrogate: 1-Chlorooctane 73.4 % 41-142

Surrogate: 1-Chlorooctadecane 74.8 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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

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



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

**Analytical Results For:**

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

Received:	08/07/2019	Sampling Date:	08/07/2019
Reported:	08/08/2019	Sampling Type:	Soil
Project Name:	HACKBERRY 26 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	701901.088.01	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY CO NM		

**Sample ID: S - 1 1 (H902714-02)**

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	08/08/2019	ND	2.10	105	2.00	2.02	
Toluene*	<0.050	0.050	08/08/2019	ND	2.14	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	08/08/2019	ND	2.03	101	2.00	1.82	
Total Xylenes*	<0.150	0.150	08/08/2019	ND	6.12	102	6.00	2.27	
Total BTEx	<0.300	0.300	08/08/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 73.3-129

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	08/08/2019	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	08/07/2019	ND	207	104	200	2.17	
DRO >C10-C28*	41.5	10.0	08/07/2019	ND	210	105	200	0.0872	
EXT DRO >C28-C36	44.3	10.0	08/07/2019	ND					

Surrogate: 1-Chlorooctane 78.0 % 41-142

Surrogate: 1-Chlorooctadecane 84.0 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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

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



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

**Analytical Results For:**

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

Received: 08/07/2019  
Reported: 08/08/2019  
Project Name: HACKBERRY 26 BATTERY  
Project Number: 701901.088.01  
Project Location: CIMAREX - EDDY CO NM

Sampling Date: 08/07/2019  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: S - 1 2 (H902714-03)**

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	08/08/2019	ND	2.10	105	2.00	2.02	
Toluene*	<0.050	0.050	08/08/2019	ND	2.14	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	08/08/2019	ND	2.03	101	2.00	1.82	
Total Xylenes*	<0.150	0.150	08/08/2019	ND	6.12	102	6.00	2.27	
Total BTX	<0.300	0.300	08/08/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/08/2019	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	08/07/2019	ND	207	104	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/07/2019	ND	210	105	200	0.0872	
EXT DRO >C28-C36	<10.0	10.0	08/07/2019	ND					

Surrogate: 1-Chlorooctane 81.4 % 41-142

Surrogate: 1-Chlorooctadecane 85.2 % 37.6-147

Cardinal Laboratories

\* = Accredited Analyte

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

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



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

**Analytical Results For:**

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

Received:	08/07/2019	Sampling Date:	08/07/2019
Reported:	08/08/2019	Sampling Type:	Soil
Project Name:	HACKBERRY 26 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	701901.088.01	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY CO NM		

**Sample ID: S - 2 0 (H902714-04)**

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	08/08/2019	ND	2.10	105	2.00	2.02	
Toluene*	<0.050	0.050	08/08/2019	ND	2.14	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	08/08/2019	ND	2.03	101	2.00	1.82	
Total Xylenes*	<0.150	0.150	08/08/2019	ND	6.12	102	6.00	2.27	
Total BTX	<0.300	0.300	08/08/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	08/08/2019	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	08/07/2019	ND	207	104	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/07/2019	ND	210	105	200	0.0872	
EXT DRO >C28-C36	<10.0	10.0	08/07/2019	ND					

Surrogate: 1-Chlorooctane 80.3 % 41-142

Surrogate: 1-Chlorooctadecane 85.7 % 37.6-147

Cardinal Laboratories

\* = Accredited Analyte

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

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



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

**Analytical Results For:**

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

Received: 08/07/2019  
Reported: 08/08/2019  
Project Name: HACKBERRY 26 BATTERY  
Project Number: 701901.088.01  
Project Location: CIMAREX - EDDY CO NM

Sampling Date: 08/07/2019  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: S - 2 1 (H902714-05)**

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	08/08/2019	ND	2.10	105	2.00	2.02	
Toluene*	<0.050	0.050	08/08/2019	ND	2.14	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	08/08/2019	ND	2.03	101	2.00	1.82	
Total Xylenes*	<0.150	0.150	08/08/2019	ND	6.12	102	6.00	2.27	
Total BTX	<0.300	0.300	08/08/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 100 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/08/2019	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	08/07/2019	ND	207	104	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/07/2019	ND	210	105	200	0.0872	
EXT DRO >C28-C36	<10.0	10.0	08/07/2019	ND					

Surrogate: 1-Chlorooctane 79.4 % 41-142

Surrogate: 1-Chlorooctadecane 83.0 % 37.6-147

Cardinal Laboratories

\* = Accredited Analyte

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

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



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

**Analytical Results For:**

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

Received:	08/07/2019	Sampling Date:	08/07/2019
Reported:	08/08/2019	Sampling Type:	Soil
Project Name:	HACKBERRY 26 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	701901.088.01	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY CO NM		

**Sample ID: S - 2 2 (H902714-06)**

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	08/08/2019	ND	2.10	105	2.00	2.02	
Toluene*	<0.050	0.050	08/08/2019	ND	2.14	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	08/08/2019	ND	2.03	101	2.00	1.82	
Total Xylenes*	<0.150	0.150	08/08/2019	ND	6.12	102	6.00	2.27	
Total BTEx	<0.300	0.300	08/08/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/08/2019	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/07/2019	ND	207	104	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/07/2019	ND	210	105	200	0.0872	
EXT DRO >C28-C36	<10.0	10.0	08/07/2019	ND					

Surrogate: 1-Chlorooctane 81.0 % 41-142

Surrogate: 1-Chlorooctadecane 85.2 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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

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



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

**Analytical Results For:**

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

Received:	08/07/2019	Sampling Date:	08/07/2019
Reported:	08/08/2019	Sampling Type:	Soil
Project Name:	HACKBERRY 26 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	701901.088.01	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY CO NM		

**Sample ID: S - 3 0 (H902714-07)**

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	08/08/2019	ND	2.10	105	2.00	2.02	
Toluene*	0.090	0.050	08/08/2019	ND	2.14	107	2.00	1.85	
Ethylbenzene*	0.063	0.050	08/08/2019	ND	2.03	101	2.00	1.82	
Total Xylenes*	0.557	0.150	08/08/2019	ND	6.12	102	6.00	2.27	
Total BTX	0.711	0.300	08/08/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 112 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/08/2019	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	88.8	50.0	08/07/2019	ND	207	104	200	2.17		
DRO >C10-C28*	10200	50.0	08/07/2019	ND	210	105	200	0.0872		
EXT DRO >C28-C36	2800	50.0	08/07/2019	ND						

Surrogate: 1-Chlorooctane 138 % 41-142

Surrogate: 1-Chlorooctadecane 417 % 37.6-147

Cardinal Laboratories

\* = Accredited Analyte

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

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





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

**Analytical Results For:**

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

Received:	08/07/2019	Sampling Date:	08/07/2019
Reported:	08/08/2019	Sampling Type:	Soil
Project Name:	HACKBERRY 26 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	701901.088.01	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY CO NM		

**Sample ID: S - 3 1 (H902714-08)**

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	08/08/2019	ND	2.10	105	2.00	2.02	
Toluene*	<0.050	0.050	08/08/2019	ND	2.14	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	08/08/2019	ND	2.03	101	2.00	1.82	
Total Xylenes*	<0.150	0.150	08/08/2019	ND	6.12	102	6.00	2.27	
Total BTX	<0.300	0.300	08/08/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 99.4 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/08/2019	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/07/2019	ND	207	104	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/07/2019	ND	210	105	200	0.0872	
EXT DRO >C28-C36	<10.0	10.0	08/07/2019	ND					

Surrogate: 1-Chlorooctane 86.3 % 41-142

Surrogate: 1-Chlorooctadecane 87.4 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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

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



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

**Analytical Results For:**

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

Received: 08/07/2019  
Reported: 08/08/2019  
Project Name: HACKBERRY 26 BATTERY  
Project Number: 701901.088.01  
Project Location: CIMAREX - EDDY CO NM

Sampling Date: 08/07/2019  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: S - 3 2 (H902714-09)**

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	08/08/2019	ND	2.10	105	2.00	2.02	
Toluene*	<0.050	0.050	08/08/2019	ND	2.14	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	08/08/2019	ND	2.03	101	2.00	1.82	
Total Xylenes*	<0.150	0.150	08/08/2019	ND	6.12	102	6.00	2.27	
Total BTEX	<0.300	0.300	08/08/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/08/2019	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2019	ND	205	103	200	1.35	
DRO >C10-C28*	30.3	10.0	08/08/2019	ND	200	100	200	0.868	
EXT DRO >C28-C36	<10.0	10.0	08/08/2019	ND					

Surrogate: 1-Chlorooctane 88.1 % 41-142

Surrogate: 1-Chlorooctadecane 93.1 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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

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



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

**Analytical Results For:**

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

Received:	08/07/2019	Sampling Date:	08/07/2019
Reported:	08/08/2019	Sampling Type:	Soil
Project Name:	HACKBERRY 26 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	701901.088.01	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY CO NM		

**Sample ID: S - 4 0 (H902714-10)**

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	08/08/2019	ND	2.10	105	2.00	2.02	
Toluene*	<0.050	0.050	08/08/2019	ND	2.14	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	08/08/2019	ND	2.03	101	2.00	1.82	
Total Xylenes*	<0.150	0.150	08/08/2019	ND	6.12	102	6.00	2.27	
Total BTX	<0.300	0.300	08/08/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 98.9 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	08/08/2019	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<50.0	50.0	08/08/2019	ND	205	103	200	1.35		
DRO >C10-C28*	5920	50.0	08/08/2019	ND	200	100	200	0.868		
EXT DRO >C28-C36	1120	50.0	08/08/2019	ND						

Surrogate: 1-Chlorooctane 96.6 % 41-142

Surrogate: 1-Chlorooctadecane 257 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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

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



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

**Analytical Results For:**

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

Received: 08/07/2019  
Reported: 08/08/2019  
Project Name: HACKBERRY 26 BATTERY  
Project Number: 701901.088.01  
Project Location: CIMAREX - EDDY CO NM

Sampling Date: 08/07/2019  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: S - 4 1 (H902714-11)**

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	08/08/2019	ND	2.10	105	2.00	2.02	
Toluene*	<0.050	0.050	08/08/2019	ND	2.14	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	08/08/2019	ND	2.03	101	2.00	1.82	
Total Xylenes*	<0.150	0.150	08/08/2019	ND	6.12	102	6.00	2.27	
Total BTEX	<0.300	0.300	08/08/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 97.6 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/08/2019	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2019	ND	205	103	200	1.35	
DRO >C10-C28*	24.1	10.0	08/08/2019	ND	200	100	200	0.868	
EXT DRO >C28-C36	<10.0	10.0	08/08/2019	ND					

Surrogate: 1-Chlorooctane 68.9 % 41-142

Surrogate: 1-Chlorooctadecane 73.5 % 37.6-147

Cardinal Laboratories

\* = Accredited Analyte

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

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



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

**Analytical Results For:**

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

Received:	08/07/2019	Sampling Date:	08/07/2019
Reported:	08/08/2019	Sampling Type:	Soil
Project Name:	HACKBERRY 26 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	701901.088.01	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY CO NM		

**Sample ID: S - 4 2 (H902714-12)**

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	08/08/2019	ND	2.10	105	2.00	2.02	
Toluene*	<0.050	0.050	08/08/2019	ND	2.14	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	08/08/2019	ND	2.03	101	2.00	1.82	
Total Xylenes*	<0.150	0.150	08/08/2019	ND	6.12	102	6.00	2.27	
Total BTX	<0.300	0.300	08/08/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 99.0 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/08/2019	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2019	ND	205	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	08/08/2019	ND	200	100	200	0.868	
EXT DRO >C28-C36	<10.0	10.0	08/08/2019	ND					

Surrogate: 1-Chlorooctane 71.0 % 41-142

Surrogate: 1-Chlorooctadecane 76.3 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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

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





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

**Analytical Results For:**

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

Received:	08/07/2019	Sampling Date:	08/07/2019
Reported:	08/08/2019	Sampling Type:	Soil
Project Name:	HACKBERRY 26 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	701901.088.01	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY CO NM		

**Sample ID: S - 5 0 (H902714-13)**

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	08/08/2019	ND	2.10	105	2.00	2.02	
Toluene*	<0.050	0.050	08/08/2019	ND	2.14	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	08/08/2019	ND	2.03	101	2.00	1.82	
Total Xylenes*	<0.150	0.150	08/08/2019	ND	6.12	102	6.00	2.27	
Total BTX	<0.300	0.300	08/08/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 97.0 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	08/08/2019	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	08/08/2019	ND	205	103	200	1.35	
DRO >C10-C28*	2120	50.0	08/08/2019	ND	200	100	200	0.868	
EXT DRO >C28-C36	772	50.0	08/08/2019	ND					

Surrogate: 1-Chlorooctane 85.8 % 41-142

Surrogate: 1-Chlorooctadecane 167 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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

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



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

**Analytical Results For:**

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

Received:	08/07/2019	Sampling Date:	08/07/2019
Reported:	08/08/2019	Sampling Type:	Soil
Project Name:	HACKBERRY 26 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	701901.088.01	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY CO NM		

**Sample ID: S - 5 1 (H902714-14)**

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	08/08/2019	ND	2.10	105	2.00	2.02	
Toluene*	<0.050	0.050	08/08/2019	ND	2.14	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	08/08/2019	ND	2.03	101	2.00	1.82	
Total Xylenes*	<0.150	0.150	08/08/2019	ND	6.12	102	6.00	2.27	
Total BTX	<0.300	0.300	08/08/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 99.5 % 73.3-129

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	08/08/2019	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2019	ND	205	103	200	1.35	
DRO >C10-C28*	110	10.0	08/08/2019	ND	200	100	200	0.868	
EXT DRO >C28-C36	28.6	10.0	08/08/2019	ND					

Surrogate: 1-Chlorooctane 81.7 % 41-142

Surrogate: 1-Chlorooctadecane 98.6 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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

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



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

**Analytical Results For:**

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

Received:	08/07/2019	Sampling Date:	08/07/2019
Reported:	08/08/2019	Sampling Type:	Soil
Project Name:	HACKBERRY 26 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	701901.088.01	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY CO NM		

**Sample ID: S - 5 2 (H902714-15)**

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	08/08/2019	ND	2.10	105	2.00	2.02	
Toluene*	<0.050	0.050	08/08/2019	ND	2.14	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	08/08/2019	ND	2.03	101	2.00	1.82	
Total Xylenes*	<0.150	0.150	08/08/2019	ND	6.12	102	6.00	2.27	
Total BTX	<0.300	0.300	08/08/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 98.3 % 73.3-129

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	08/08/2019	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2019	ND	205	103	200	1.35	
DRO >C10-C28*	17.8	10.0	08/08/2019	ND	200	100	200	0.868	
EXT DRO >C28-C36	<10.0	10.0	08/08/2019	ND					

Surrogate: 1-Chlorooctane 80.1 % 41-142

Surrogate: 1-Chlorooctadecane 85.4 % 37.6-147

Cardinal Laboratories

\* = Accredited Analyte

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

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



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

**Analytical Results For:**

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

Received:	08/07/2019	Sampling Date:	08/07/2019
Reported:	08/08/2019	Sampling Type:	Soil
Project Name:	HACKBERRY 26 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	701901.088.01	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY CO NM		

**Sample ID: S - 6 0 (H902714-16)**

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	08/08/2019	ND	2.10	105	2.00	2.02	
Toluene*	<0.050	0.050	08/08/2019	ND	2.14	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	08/08/2019	ND	2.03	101	2.00	1.82	
Total Xylenes*	<0.150	0.150	08/08/2019	ND	6.12	102	6.00	2.27	
Total BTX	<0.300	0.300	08/08/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 98.5 % 73.3-129

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	08/08/2019	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2019	ND	205	103	200	1.35	
DRO >C10-C28*	332	10.0	08/08/2019	ND	200	100	200	0.868	
EXT DRO >C28-C36	134	10.0	08/08/2019	ND					

Surrogate: 1-Chlorooctane 83.5 % 41-142

Surrogate: 1-Chlorooctadecane 99.4 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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

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



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

**Analytical Results For:**

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

Received: 08/07/2019  
Reported: 08/08/2019  
Project Name: HACKBERRY 26 BATTERY  
Project Number: 701901.088.01  
Project Location: CIMAREX - EDDY CO NM

Sampling Date: 08/07/2019  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: S - 6 1 (H902714-17)**

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	08/08/2019	ND	2.10	105	2.00	2.02	
Toluene*	<0.050	0.050	08/08/2019	ND	2.14	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	08/08/2019	ND	2.03	101	2.00	1.82	
Total Xylenes*	<0.150	0.150	08/08/2019	ND	6.12	102	6.00	2.27	
Total BTEx	<0.300	0.300	08/08/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/08/2019	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2019	ND	205	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	08/08/2019	ND	200	100	200	0.868	
EXT DRO >C28-C36	<10.0	10.0	08/08/2019	ND					

Surrogate: 1-Chlorooctane 78.6 % 41-142

Surrogate: 1-Chlorooctadecane 84.9 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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

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





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

**Analytical Results For:**

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

Received:	08/07/2019	Sampling Date:	08/07/2019
Reported:	08/08/2019	Sampling Type:	Soil
Project Name:	HACKBERRY 26 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	701901.088.01	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY CO NM		

**Sample ID: S - 6 2 (H902714-18)**

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	08/08/2019	ND	2.10	105	2.00	2.02	
Toluene*	<0.050	0.050	08/08/2019	ND	2.14	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	08/08/2019	ND	2.03	101	2.00	1.82	
Total Xylenes*	<0.150	0.150	08/08/2019	ND	6.12	102	6.00	2.27	
Total BTX	<0.300	0.300	08/08/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/08/2019	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2019	ND	205	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	08/08/2019	ND	200	100	200	0.868	
EXT DRO >C28-C36	<10.0	10.0	08/08/2019	ND					

Surrogate: 1-Chlorooctane 75.0 % 41-142

Surrogate: 1-Chlorooctadecane 79.4 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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

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



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

**Analytical Results For:**

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

Received: 08/07/2019  
Reported: 08/08/2019  
Project Name: HACKBERRY 26 BATTERY  
Project Number: 701901.088.01  
Project Location: CIMAREX - EDDY CO NM

Sampling Date: 08/07/2019  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Tamara Oldaker

**Sample ID: S - 7 0 (H902714-19)**

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	08/08/2019	ND	2.10	105	2.00	2.02	
Toluene*	<0.050	0.050	08/08/2019	ND	2.14	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	08/08/2019	ND	2.03	101	2.00	1.82	
Total Xylenes*	<0.150	0.150	08/08/2019	ND	6.12	102	6.00	2.27	
Total BTX	<0.300	0.300	08/08/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 98.8 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/08/2019	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2019	ND	205	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	08/08/2019	ND	200	100	200	0.868	
EXT DRO >C28-C36	<10.0	10.0	08/08/2019	ND					

Surrogate: 1-Chlorooctane 78.8 % 41-142

Surrogate: 1-Chlorooctadecane 82.8 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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

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



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

**Analytical Results For:**

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

Received:	08/07/2019	Sampling Date:	08/07/2019
Reported:	08/08/2019	Sampling Type:	Soil
Project Name:	HACKBERRY 26 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	701901.088.01	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY CO NM		

**Sample ID: S - 7 1 (H902714-20)**

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	08/08/2019	ND	2.10	105	2.00	2.02	
Toluene*	<0.050	0.050	08/08/2019	ND	2.14	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	08/08/2019	ND	2.03	101	2.00	1.82	
Total Xylenes*	<0.150	0.150	08/08/2019	ND	6.12	102	6.00	2.27	
Total BTX	<0.300	0.300	08/08/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 99.0 % 73.3-129

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	08/08/2019	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2019	ND	205	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	08/08/2019	ND	200	100	200	0.868	
EXT DRO >C28-C36	<10.0	10.0	08/08/2019	ND					

Surrogate: 1-Chlorooctane 73.1 % 41-142

Surrogate: 1-Chlorooctadecane 75.9 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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

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



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

**Analytical Results For:**

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

Received:	08/07/2019	Sampling Date:	08/07/2019
Reported:	08/08/2019	Sampling Type:	Soil
Project Name:	HACKBERRY 26 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	701901.088.01	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY CO NM		

**Sample ID: S - 7 2 (H902714-21)**

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	08/07/2019	ND	1.97	98.7	2.00	2.19	
Toluene*	<0.050	0.050	08/07/2019	ND	2.01	100	2.00	1.19	
Ethylbenzene*	<0.050	0.050	08/07/2019	ND	1.87	93.7	2.00	0.598	
Total Xylenes*	<0.150	0.150	08/07/2019	ND	5.66	94.4	6.00	0.195	
Total BTX	<0.300	0.300	08/07/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/08/2019	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2019	ND	205	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	08/08/2019	ND	200	100	200	0.868	
EXT DRO >C28-C36	<10.0	10.0	08/08/2019	ND					

Surrogate: 1-Chlorooctane 82.9 % 41-142

Surrogate: 1-Chlorooctadecane 88.2 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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

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



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

**Analytical Results For:**

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

Received:	08/07/2019	Sampling Date:	08/07/2019
Reported:	08/08/2019	Sampling Type:	Soil
Project Name:	HACKBERRY 26 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	701901.088.01	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY CO NM		

**Sample ID: S - 8 0 (H902714-22)**

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	08/07/2019	ND	1.97	98.7	2.00	2.19	
Toluene*	<0.050	0.050	08/07/2019	ND	2.01	100	2.00	1.19	
Ethylbenzene*	<0.050	0.050	08/07/2019	ND	1.87	93.7	2.00	0.598	
Total Xylenes*	<0.150	0.150	08/07/2019	ND	5.66	94.4	6.00	0.195	
Total BTEX	<0.300	0.300	08/07/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 99.2 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/08/2019	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2019	ND	205	103	200	1.35	
DRO >C10-C28*	25.4	10.0	08/08/2019	ND	200	100	200	0.868	
EXT DRO >C28-C36	12.9	10.0	08/08/2019	ND					

Surrogate: 1-Chlorooctane 54.5 % 41-142

Surrogate: 1-Chlorooctadecane 60.6 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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

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





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

**Analytical Results For:**

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

Received:	08/07/2019	Sampling Date:	08/07/2019
Reported:	08/08/2019	Sampling Type:	Soil
Project Name:	HACKBERRY 26 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	701901.088.01	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY CO NM		

**Sample ID: S - 8 1 (H902714-23)**

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	08/07/2019	ND	1.97	98.7	2.00	2.19	
Toluene*	<0.050	0.050	08/07/2019	ND	2.01	100	2.00	1.19	
Ethylbenzene*	<0.050	0.050	08/07/2019	ND	1.87	93.7	2.00	0.598	
Total Xylenes*	<0.150	0.150	08/07/2019	ND	5.66	94.4	6.00	0.195	
Total BTX	<0.300	0.300	08/07/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 73.3-129

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	08/08/2019	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2019	ND	205	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	08/08/2019	ND	200	100	200	0.868	
EXT DRO >C28-C36	<10.0	10.0	08/08/2019	ND					

Surrogate: 1-Chlorooctane 75.1 % 41-142

Surrogate: 1-Chlorooctadecane 78.4 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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

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



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

**Analytical Results For:**

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

Received:	08/07/2019	Sampling Date:	08/07/2019
Reported:	08/08/2019	Sampling Type:	Soil
Project Name:	HACKBERRY 26 BATTERY	Sampling Condition:	** (See Notes)
Project Number:	701901.088.01	Sample Received By:	Tamara Oldaker
Project Location:	CIMAREX - EDDY CO NM		

**Sample ID: S - 8 2 (H902714-24)**

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	08/07/2019	ND	1.97	98.7	2.00	2.19	
Toluene*	<0.050	0.050	08/07/2019	ND	2.01	100	2.00	1.19	
Ethylbenzene*	<0.050	0.050	08/07/2019	ND	1.87	93.7	2.00	0.598	
Total Xylenes*	<0.150	0.150	08/07/2019	ND	5.66	94.4	6.00	0.195	
Total BTX	<0.300	0.300	08/07/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/08/2019	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2019	ND	205	103	200	1.35	
DRO >C10-C28*	<10.0	10.0	08/08/2019	ND	200	100	200	0.868	
EXT DRO >C28-C36	<10.0	10.0	08/08/2019	ND					

Surrogate: 1-Chlorooctane 77.0 % 41-142

Surrogate: 1-Chlorooctadecane 81.8 % 37.6-147

Cardinal Laboratories

\* = Accredited Analyte

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

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



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

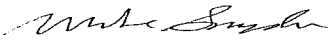
Notes and Definitions

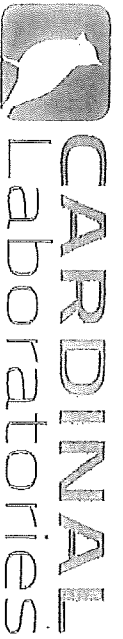
- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500CI-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

\*=Accredited Analyte

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

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Talon LPE</u>		P.O. #:	
Project Manager: <u>Chris Jones</u>		Company: <u>Talon</u>	
Address: <u>408 W. Texas</u>		Attn:	
City: <u>Artesia</u>		Address:	
Phone #: <u>681-6977</u>		City:	
Fax #:		State:	
Project #: <u>701901-088.01</u>		Project Owner: <u>Cimarex</u>	
Project Name: <u>Hickory 26 Battery</u>		State: <u>NM</u>	
Project Location: <u>Eddy, NM</u>		Phone #:	
Sample Name: <u>CTores</u>		Fax #:	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:			
4902714	5-1	0	3								8-7-19	1000	Chlorides
	5-1	1										1005	BTEX
	5-1	2										1010	TPH Ext.
	5-2	0										1015	
	5-2	1										1020	
	5-2	2										1025	
	5-3	0										1030	
	5-3	1										1035	
	5-3	2										1040	
	5-4	0										1045	

PLEASE NOTE: Liability and damages. Cardinal is not responsible for any claim arising from the use of the results of the analysis. In no event shall Cardinal be liable for damages of any kind, including but not limited to, direct, indirect, or consequential damages, including without limitation, business interruption, loss of time, or loss of profits, incurred by or for the client or the client's employees or subcontractors, arising out of or from the use of the results of the analysis.

Relinquished By: [Signature] Date: 8-7-19 Received By: [Signature] Date: 8-7-19

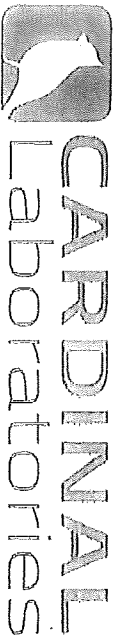
Relinquished By: [Signature] Date: 8-7-19 Received By: [Signature] Date: 8-7-19

Delivered By: (Circle One) 15.4 #97 Sample Condition: Intact Checked By: [Signature]

Sampler - UPS - Bus - Other: Contaminated 15.8 Yes Yes Yes Yes

Remarks: Brought sample to Lab for analysis

Phone Result: [Signature] Fax Result: [Signature]



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

ANALYSIS REQUEST

Company Name: <u>7.9101 CPE</u>		P.O. #:	
Project Manager: <u>Chris Jones</u>		Company: <u>7.9101</u>	
Address: <u>408 W. Texas</u>		Attn:	
City: <u>Artesia</u> State: <u>NM</u> Zip: <u>88246</u>		Address:	
Phone #: <u>631-1577</u> Fax #:		City:	
Project #: <u>701 901.088.01</u> Project Owner: <u>Cimrex</u>		State:	
Project Name: <u>Hallberry 26 Battery</u>		Zip:	
Project Location: <u>Eddy, NM</u>		Phone #:	
Sampler Name: <u>Chris</u>		Fax #:	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
11	S-4	1	1							8-7-19	0550	Chlorides
12	S-4	2									1055	BTEX
13	S-4	0									1100	TPH Ext.
14	S-5	1									1105	
15	S-5	2									1110	
16	S-6	0									1115	
17	S-6	1									1120	
18	S-6	2									1125	
19	S-7	0									1130	
20	S-7	1									1135	

Relinquished By: <u>[Signature]</u>	Date: <u>8-7-19</u>	Received By: <u>[Signature]</u>	Date: <u>8-7-19</u>
Time: <u>14:25</u>			

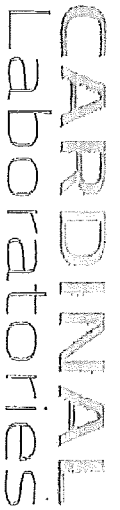
Delivered By: (Circle One) <u>15-4</u>	Sample Condition	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other: <u>Cardinal 15.82</u>	Good <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	<u>70</u>

REMARKS: Push! 2053  
Brought straight to Hobbs

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





101 East Marland, Hobbs, NM 88245  
(575) 393-2326 FAX (575) 393-2476

[illegible]

Relinquished By: \_\_\_\_\_ Date: 7/18 Received By: \_\_\_\_\_

Delivered by: (Circle One)	15.42	<del>15.47</del>	Sample Condition	CHECKED BY:
Sampler - UPS - Bus - Other:	Protected 15.28		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	(Initials)

Nush  
 3083  
 1000 ft straight to top from bed

3083





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

April 20, 2020

Chris Jones  
Talon Artesia  
408 West Texas Ave  
Artesia, NM 88210  
TEL:  
FAX:

RE: Hackberry 26 Fed Btty

OrderNo.: 2004753

Dear Chris Jones:

Hall Environmental Analysis Laboratory received 7 sample(s) on 4/16/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://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 2004753

Date Reported: 4/20/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-1 S SW 0.5'

Project: Hackberry 26 Fed Btty

Collection Date: 4/15/2020 11:58:00 AM

Lab ID: 2004753-001

Matrix: SOIL

Received Date: 4/16/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	420	10		mg/Kg	1	4/16/2020 10:31:12 AM	51849
Motor Oil Range Organics (MRO)	310	50		mg/Kg	1	4/16/2020 10:31:12 AM	51849
Surr: DNOP	97.5	55.1-146		%Rec	1	4/16/2020 10:31:12 AM	51849
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	21		mg/Kg	5	4/16/2020 10:15:37 AM	G68175
Surr: BFB	97.4	66.6-105		%Rec	5	4/16/2020 10:15:37 AM	G68175

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

<b>Qualifiers:</b>	*	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 9

## Analytical Report

Lab Order 2004753

Date Reported: 4/20/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-2 S SW 0.5'

Project: Hackberry 26 Fed Btty

Collection Date: 4/15/2020 12:01:00 PM

Lab ID: 2004753-002

Matrix: SOIL

Received Date: 4/16/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: JME
Diesel Range Organics (DRO)	3400	95		mg/Kg	10	4/16/2020 10:36:04 AM	51849
Motor Oil Range Organics (MRO)	1600	480		mg/Kg	10	4/16/2020 10:36:04 AM	51849
Surr: DNOP	0	55.1-146	S	%Rec	10	4/16/2020 10:36:04 AM	51849
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	21		mg/Kg	5	4/16/2020 10:39:11 AM	G68175
Surr: BFB	112	66.6-105	S	%Rec	5	4/16/2020 10:39:11 AM	G68175

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

<b>Qualifiers:</b>	*	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 9

## Analytical Report

Lab Order 2004753

Date Reported: 4/20/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-3 W SW 0.5'

Project: Hackberry 26 Fed Btty

Collection Date: 4/15/2020 12:03:00 PM

Lab ID: 2004753-003

Matrix: SOIL

Received Date: 4/16/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: JME
Diesel Range Organics (DRO)	5900	96		mg/Kg	10	4/16/2020 11:00:01 AM	51849
Motor Oil Range Organics (MRO)	2400	480		mg/Kg	10	4/16/2020 11:00:01 AM	51849
Surr: DNOP	0	55.1-146	S	%Rec	10	4/16/2020 11:00:01 AM	51849
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	46	20		mg/Kg	5	4/16/2020 11:02:52 AM	G68175
Surr: BFB	185	66.6-105	S	%Rec	5	4/16/2020 11:02:52 AM	G68175

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

<b>Qualifiers:</b>	*	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 9



## Analytical Report

Lab Order 2004753

Date Reported: 4/20/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-4 N SW 0.5'

Project: Hackberry 26 Fed Btty

Collection Date: 4/15/2020 12:06:00 PM

Lab ID: 2004753-004

Matrix: SOIL

Received Date: 4/16/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: JME
Diesel Range Organics (DRO)	300	9.9		mg/Kg	1	4/16/2020 11:24:04 AM	51849
Motor Oil Range Organics (MRO)	260	50		mg/Kg	1	4/16/2020 11:24:04 AM	51849
Surr: DNOP	92.8	55.1-146		%Rec	1	4/16/2020 11:24:04 AM	51849
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	20		mg/Kg	5	4/16/2020 11:26:26 AM	G68175
Surr: BFB	98.8	66.6-105		%Rec	5	4/16/2020 11:26:26 AM	G68175

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

<b>Qualifiers:</b>	*	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 9

## Analytical Report

Lab Order 2004753

Date Reported: 4/20/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-5 N SW 0.5'

Project: Hackberry 26 Fed Btty

Collection Date: 4/15/2020 12:08:00 PM

Lab ID: 2004753-005

Matrix: SOIL

Received Date: 4/16/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	800	10		mg/Kg	1	4/16/2020 11:02:47 AM	51849
Motor Oil Range Organics (MRO)	540	50		mg/Kg	1	4/16/2020 11:02:47 AM	51849
Surr: DNOP	94.6	55.1-146		%Rec	1	4/16/2020 11:02:47 AM	51849
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	18		mg/Kg	5	4/16/2020 11:49:59 AM	G68175
Surr: BFB	97.4	66.6-105		%Rec	5	4/16/2020 11:49:59 AM	G68175

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

<b>Qualifiers:</b>	*	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 9

## Analytical Report

Lab Order 2004753

Date Reported: 4/20/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-6 E SW 0.5'

Project: Hackberry 26 Fed Btty

Collection Date: 4/15/2020 12:10:00 PM

Lab ID: 2004753-006

Matrix: SOIL

Received Date: 4/16/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	280	10		mg/Kg	1	4/16/2020 12:16:37 PM	51849
Motor Oil Range Organics (MRO)	310	50		mg/Kg	1	4/16/2020 12:16:37 PM	51849
Surr: DNOP	99.3	55.1-146		%Rec	1	4/16/2020 12:16:37 PM	51849
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	19		mg/Kg	5	4/16/2020 12:13:44 PM	G68175
Surr: BFB	98.9	66.6-105		%Rec	5	4/16/2020 12:13:44 PM	G68175

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

<b>Qualifiers:</b>	*	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 9

## Analytical Report

Lab Order 2004753

Date Reported: 4/20/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-7 E SW 0.5'

Project: Hackberry 26 Fed Btty

Collection Date: 4/15/2020 12:10:00 PM

Lab ID: 2004753-007

Matrix: SOIL

Received Date: 4/16/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	1500	100		mg/Kg	10	4/16/2020 10:38:48 AM	51849
Motor Oil Range Organics (MRO)	1200	500		mg/Kg	10	4/16/2020 10:38:48 AM	51849
Surr: DNOP	0	55.1-146	S	%Rec	10	4/16/2020 10:38:48 AM	51849
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	20		mg/Kg	5	4/16/2020 12:37:22 PM	G68175
Surr: BFB	97.9	66.6-105		%Rec	5	4/16/2020 12:37:22 PM	G68175

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

<b>Qualifiers:</b>	*	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 9



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

WO#: 2004753

20-Apr-20

**Client:** Talon Artesia  
**Project:** Hackberry 26 Fed Btty

Sample ID: <b>MB-51849</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>51849</b>	RunNo: <b>68131</b>								
Prep Date: <b>4/16/2020</b>	Analysis Date: <b>4/16/2020</b>	SeqNo: <b>2356515</b> Units: <b>mg/Kg</b>								
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	8.7		10.00		86.8	55.1	146			

Sample ID: <b>LCS-51849</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>51849</b>	RunNo: <b>68131</b>								
Prep Date: <b>4/16/2020</b>	Analysis Date: <b>4/16/2020</b>	SeqNo: <b>2356517</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.5	70	130			
Surr: DNOP	4.3		5.000		85.7	55.1	146			

Sample ID: <b>2004753-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>S-1 S SW 0.5'</b>	Batch ID: <b>51849</b>	RunNo: <b>68138</b>								
Prep Date: <b>4/16/2020</b>	Analysis Date: <b>4/16/2020</b>	SeqNo: <b>2356926</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	550	9.9	49.70	423.5	261	47.4	136			S
Surr: DNOP	5.6		4.970		113	55.1	146			

Sample ID: <b>2004753-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>S-1 S SW 0.5'</b>	Batch ID: <b>51849</b>	RunNo: <b>68138</b>								
Prep Date: <b>4/16/2020</b>	Analysis Date: <b>4/16/2020</b>	SeqNo: <b>2356927</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	480	9.9	49.26	423.5	124	47.4	136	13.2	43.4	
Surr: DNOP	5.2		4.926		106	55.1	146	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 8 of 9

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

WO#: 2004753

20-Apr-20

**Client:** Talon Artesia  
**Project:** Hackberry 26 Fed Btty

Sample ID: <b>2.5ug gro lcs</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>G68175</b>		RunNo: <b>68175</b>							
Prep Date:	Analysis Date: <b>4/16/2020</b>		SeqNo: <b>2357825</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.0	80	120			
Surr: BFB	1100		1000		113	66.6	105			S

Sample ID: <b>2004753-001ams</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>S-1 S SW 0.5'</b>	Batch ID: <b>G68175</b>		RunNo: <b>68175</b>							
Prep Date:	Analysis Date: <b>4/16/2020</b>		SeqNo: <b>2357861</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	100	21	104.8	0	98.5	80	120			
Surr: BFB	4600		4191		111	66.6	105			S

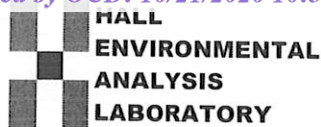
Sample ID: <b>2004753-001amsd</b>	SampType: <b>MSD</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>S-1 S SW 0.5'</b>	Batch ID: <b>G68175</b>		RunNo: <b>68175</b>							
Prep Date:	Analysis Date: <b>4/16/2020</b>		SeqNo: <b>2357862</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	100	21	104.8	0	97.2	80	120	1.31	20	
Surr: BFB	4700		4191		113	66.6	105	0	0	S

Sample ID: <b>mb1</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>G68175</b>		RunNo: <b>68175</b>							
Prep Date:	Analysis Date: <b>4/16/2020</b>		SeqNo: <b>2357870</b>		Units: <b>mg/Kg</b>					
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		102	66.6	105			

**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



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

## Sample Log-In Check List

Client Name: TALON ARTESIA

Work Order Number: 2004753

RcptNo: 1

Received By: Juan Rojas

4/16/2020 9:15:00 AM

*Juan Rojas*

Completed By: Leah Baca

4/16/2020 9:19:51 AM

*Leah Baca*Reviewed By: *IO**4/16/20*Chain of Custody

1. Is Chain of Custody sufficiently 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  $6.0^{\circ}\text{C}$ ? 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: *DAD 4/16/20*

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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.1	Good				
2	1.0	Good				

## Chain-of-Custody Record

Client: Talon LPE

408 W Texas St

Mailing Address: Artesia, NM 88210

Phone #:

email or Fax#: (575) 746-8905

QA/QC Package:

☐ Standard☐ Level 4 (Full Validation)Accreditation: ☐ Az Compliance☐ NELAC ☐ Other☐ EDD (Type)

Turn-Around Time:

☐ Standard ☒ Rush Same day

Project Name:

Hackberry 26 Fed Bttx

Project #:

701901.088.01

Project Manager:

Chris Jones

Sampler: Brandon Sinclair

On Ice: ☒ Yes ☐ No

# of Coolers: 2

Cooler Temp (including CF): 0.9 + 0.2 = 1.1

Container Type and #

Preservative Type

HEAL No.

7004753

-001

-002

-003

-004

-005

-006

-007

-008

-009

-010

-011

-012

-013

-014

-015

-016

-017

-018

-019

-020

-021

-022

-023

-024

-025

-026

-027

-028

-029

-030

-031

-032

-033

-034

-035

-036

-037

-038

-039

-040

-041

-042

-043

-044

-045

-046

-047

-048

-049

-050

-051

-052

-053

-054

-055

-056

-057

-058

-059

-060

-061

-062

-063

-064

-065

-066

-067

-068

-069

-070

-071

-072

-073

-074

-075

-076

-077

-078

-079

-080

-081

-082

-083

-084

-085

-086

-087

-088

-089

-090

-091

-092

-093

-094

-095

-096

-097

-098

-099

-100

-101

-102

-103

-104

-105

-106

-107

-108

-109

-110

-111

-112

-113

-114

-115

-116

-117

-118

-119

-120

-121

-122

-123

-124

-125

-126

-127

-128

-129

-130

-131

-132

-133

-134

-135

-136

-137

-138

-139

-140

-141

-142

-143

-144

-145

-146

-147

-148

-149

-150

-151

-152

-153

-154

-155

-156

-157

-158

-159

-160

-161

-162

-163

-164

-165

-166

-167

-168

-169

-170

-171

-172

-173

-174

-175

-176

-177

-178

-179

-180

-181

-182

-183

-184

-185

-186

-187

-188

-189

-190

-191

-192

-193

-194

-195

-196

-197

-198

-199

-200

-201

-202

-203

-204

-205

-206

-207

-208

-209

-210

-211

-212

-213

-214

-215

-216

-217

-218

-219

-220

-221

-222

-223

-224

-225

-226

-227

-228

-229

-230

-231

-232

-233

-234

-235

-236

-237

-238

-239

-240

-241

-242

-243

-244

-245

-246

-247

-248

-249

-250

-251

-252

-253

-254

-255

-256

-257

-258

-259

-260

-261

-262

-263

-264

-265

-266

-267

-268

-269

-270

-271

-272

-273

-274

-275

-276

-277

-278

-279

-280

-281

-282

-283

-284

-285

-286

-287

-288

-289

-290

-291

-292

-293

-294

-295

-296

-297

-298

-299

-300

-301

-302

-303

-304

-305

-306

-307

-308

-309

-310

-311

-312

-313

-314

-315

-316

-317

-318

-319

-320

-321

-322

-323

-324

-325

-326

-327

-328

-329

-330





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

May 13, 2020

Chris Jones  
Talon Artesia  
408 West Texas Ave  
Artesia, NM 88210  
TEL:  
FAX

RE: Hackberry 26 Battery

OrderNo.: 2005438

Dear Chris Jones:

Hall Environmental Analysis Laboratory received 7 sample(s) on 5/12/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://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 white background.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2005438

Date Reported: 5/13/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-1 S SW 0.5'

Project: Hackberry 26 Battery

Collection Date: 5/8/2020 2:08:00 PM

Lab ID: 2005438-001

Matrix: MEOH (SOIL)

Received Date: 5/12/2020 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/12/2020 6:34:54 PM	G68840
Surr: BFB	93.4	70-130		%Rec	1	5/12/2020 6:34:54 PM	G68840
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	1000	100		mg/Kg	10	5/12/2020 11:09:40 AM	52406
Motor Oil Range Organics (MRO)	590	500		mg/Kg	10	5/12/2020 11:09:40 AM	52406
Surr: DNOP	0	55.1-146	S	%Rec	10	5/12/2020 11:09:40 AM	52406

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

<b>Qualifiers:</b>	*	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 9

## Analytical Report

Lab Order 2005438

Date Reported: 5/13/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-2 S SW 0.5'

Project: Hackberry 26 Battery

Collection Date: 5/8/2020 2:11:00 PM

Lab ID: 2005438-002

Matrix: MEOH (SOIL)

Received Date: 5/12/2020 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: JMR
Gasoline Range Organics (GRO)	4.0	3.9		mg/Kg	1	5/12/2020 4:40:32 PM	G68840
Surr: BFB	103	70-130		%Rec	1	5/12/2020 4:40:32 PM	G68840
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	12000	490		mg/Kg	50	5/12/2020 11:34:01 AM	52406
Motor Oil Range Organics (MRO)	5900	2500		mg/Kg	50	5/12/2020 11:34:01 AM	52406
Surr: DNOP	0	55.1-146	S	%Rec	50	5/12/2020 11:34:01 AM	52406

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

<b>Qualifiers:</b>	*	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 9

## Analytical Report

Lab Order 2005438

Date Reported: 5/13/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-3 W SW 0.5'

Project: Hackberry 26 Battery

Collection Date: 5/8/2020 2:14:00 PM

Lab ID: 2005438-003

Matrix: MEOH (SOIL)

Received Date: 5/12/2020 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	5/12/2020 8:00:56 PM	G68840
Surr: BFB	93.0	70-130		%Rec	1	5/12/2020 8:00:56 PM	G68840
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	170	9.8		mg/Kg	1	5/12/2020 11:11:28 AM	52406
Motor Oil Range Organics (MRO)	140	49		mg/Kg	1	5/12/2020 11:11:28 AM	52406
Surr: DNOP	101	55.1-146		%Rec	1	5/12/2020 11:11:28 AM	52406

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

<b>Qualifiers:</b>	*	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 9



## Analytical Report

Lab Order 2005438

Date Reported: 5/13/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-4 N SW 0.5'

Project: Hackberry 26 Battery

Collection Date: 5/8/2020 2:18:00 PM

Lab ID: 2005438-004

Matrix: MEOH (SOIL)

Received Date: 5/12/2020 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/12/2020 8:29:29 PM	G68840
Surr: BFB	93.5	70-130		%Rec	1	5/12/2020 8:29:29 PM	G68840
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	18	9.7		mg/Kg	1	5/12/2020 11:35:49 AM	52406
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/12/2020 11:35:49 AM	52406
Surr: DNOP	94.0	55.1-146		%Rec	1	5/12/2020 11:35:49 AM	52406

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

<b>Qualifiers:</b>	*	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 9

## Analytical Report

Lab Order 2005438

Date Reported: 5/13/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-5 N SW 0.5'

Project: Hackberry 26 Battery

Collection Date: 5/8/2020 2:21:00 PM

Lab ID: 2005438-005

Matrix: MEOH (SOIL)

Received Date: 5/12/2020 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/12/2020 8:57:57 PM	G68840
Surr: BFB	95.1	70-130		%Rec	1	5/12/2020 8:57:57 PM	G68840
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	120	9.6		mg/Kg	1	5/12/2020 11:59:56 AM	52406
Motor Oil Range Organics (MRO)	130	48		mg/Kg	1	5/12/2020 11:59:56 AM	52406
Surr: DNOP	94.2	55.1-146		%Rec	1	5/12/2020 11:59:56 AM	52406

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

<b>Qualifiers:</b>	*	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 9

## Analytical Report

Lab Order 2005438

Date Reported: 5/13/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-6 E SW 0.5'

Project: Hackberry 26 Battery

Collection Date: 5/8/2020 2:24:00 PM

Lab ID: 2005438-006

Matrix: MEOH (SOIL)

Received Date: 5/12/2020 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.2		mg/Kg	1	5/12/2020 5:37:38 PM	G68840
Surr: BFB	91.9	70-130		%Rec	1	5/12/2020 5:37:38 PM	G68840
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	510	87		mg/Kg	10	5/12/2020 11:58:36 AM	52406
Motor Oil Range Organics (MRO)	770	440		mg/Kg	10	5/12/2020 11:58:36 AM	52406
Surr: DNOP	0	55.1-146	S	%Rec	10	5/12/2020 11:58:36 AM	52406

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

<b>Qualifiers:</b>	*	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 9

## Analytical Report

Lab Order 2005438

Date Reported: 5/13/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-7 E SW 0.5'

Project: Hackberry 26 Battery

Collection Date: 5/8/2020 2:28:00 PM

Lab ID: 2005438-007

Matrix: MEOH (SOIL)

Received Date: 5/12/2020 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.1		mg/Kg	1	5/12/2020 9:26:52 PM	G68840
Surr: BFB	93.5	70-130		%Rec	1	5/12/2020 9:26:52 PM	G68840
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	140	9.8		mg/Kg	1	5/12/2020 12:24:11 PM	52406
Motor Oil Range Organics (MRO)	150	49		mg/Kg	1	5/12/2020 12:24:11 PM	52406
Surr: DNOP	94.1	55.1-146		%Rec	1	5/12/2020 12:24:11 PM	52406

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

<b>Qualifiers:</b>	*	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 9





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

May 28, 2020

Chris Jones  
Talon Artesia  
408 West Texas Ave  
Artesia, NM 88210  
TEL:  
FAX

RE: Hackberry 1H Spill

OrderNo.: 2005968

Dear Chris Jones:

Hall Environmental Analysis Laboratory received 16 sample(s) on 5/22/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://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 horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order: 2005968

Date Reported: 5/28/2020

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Talon Artesia  
**Project:** Hackberry 1H Spill

**Lab Order:** 2005968**Lab ID:** 2005968-001**Collection Date:** 5/20/2020**Client Sample ID:** TT-1 1'**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/25/2020 4:32:41 AM	52662
Surr: BFB	104	70-130		%Rec	1	5/25/2020 4:32:41 AM	52662
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	30	9.9		mg/Kg	1	5/27/2020 10:20:38 PM	52675
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/27/2020 10:20:38 PM	52675
Surr: DNOP	143	55.1-146		%Rec	1	5/27/2020 10:20:38 PM	52675

**Lab ID:** 2005968-002**Collection Date:** 5/20/2020**Client Sample ID:** TT-1 2'**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/25/2020 7:56:42 AM	52662
Surr: BFB	107	70-130		%Rec	1	5/25/2020 7:56:42 AM	52662
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	5/27/2020 10:45:10 PM	52675
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/27/2020 10:45:10 PM	52675
Surr: DNOP	155	55.1-146	S	%Rec	1	5/27/2020 10:45:10 PM	52675

**Lab ID:** 2005968-003**Collection Date:** 5/20/2020**Client Sample ID:** TT-1 3'**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/25/2020 2:24:36 PM	52662
Surr: BFB	105	70-130		%Rec	1	5/25/2020 2:24:36 PM	52662
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	5/27/2020 11:09:59 PM	52675
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/27/2020 11:09:59 PM	52675
Surr: DNOP	121	55.1-146		%Rec	1	5/27/2020 11:09:59 PM	52675

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

<b>Qualifiers:</b>	*	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: 2005968

Date Reported: 5/28/2020

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Talon Artesia  
**Project:** Hackberry 1H Spill

**Lab Order:** 2005968**Lab ID:** 2005968-004**Collection Date:** 5/20/2020**Client Sample ID:** TT-1 4'**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/25/2020 2:54:24 PM	52662
Surr: BFB	107	70-130		%Rec	1	5/25/2020 2:54:24 PM	52662
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	53	9.2		mg/Kg	1	5/27/2020 11:34:50 PM	52675
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	5/27/2020 11:34:50 PM	52675
Surr: DNOP	152	55.1-146	S	%Rec	1	5/27/2020 11:34:50 PM	52675

**Lab ID:** 2005968-005**Collection Date:** 5/20/2020**Client Sample ID:** TT-2 1'**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: JMR
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/25/2020 3:24:17 PM	52662
Surr: BFB	107	70-130		%Rec	1	5/25/2020 3:24:17 PM	52662
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	5/27/2020 11:59:38 PM	52675
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/27/2020 11:59:38 PM	52675
Surr: DNOP	164	55.1-146	S	%Rec	1	5/27/2020 11:59:38 PM	52675

**Lab ID:** 2005968-006**Collection Date:** 5/20/2020**Client Sample ID:** TT-2 2'**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/25/2020 3:53:47 PM	52662
Surr: BFB	102	70-130		%Rec	1	5/25/2020 3:53:47 PM	52662
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	5/28/2020 12:24:12 AM	52675
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	5/28/2020 12:24:12 AM	52675
Surr: DNOP	143	55.1-146		%Rec	1	5/28/2020 12:24:12 AM	52675

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

<b>Qualifiers:</b>	*	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: 2005968

Date Reported: 5/28/2020

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Talon Artesia  
**Project:** Hackberry 1H Spill

**Lab Order:** 2005968**Lab ID:** 2005968-007**Collection Date:** 5/20/2020**Client Sample ID:** TT-2 3'**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/25/2020 4:23:18 PM	52662
Surr: BFB	104	70-130		%Rec	1	5/25/2020 4:23:18 PM	52662
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	5/28/2020 12:48:49 AM	52675
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/28/2020 12:48:49 AM	52675
Surr: DNOP	151	55.1-146	S	%Rec	1	5/28/2020 12:48:49 AM	52675

**Lab ID:** 2005968-008**Collection Date:** 5/20/2020**Client Sample ID:** TT-2 4'**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: JMR
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/25/2020 4:52:45 PM	52662
Surr: BFB	98.8	70-130		%Rec	1	5/25/2020 4:52:45 PM	52662
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	8.6		mg/Kg	1	5/28/2020 1:13:28 AM	52675
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	5/28/2020 1:13:28 AM	52675
Surr: DNOP	128	55.1-146		%Rec	1	5/28/2020 1:13:28 AM	52675

**Lab ID:** 2005968-009**Collection Date:** 5/20/2020**Client Sample ID:** TT-3 1'**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: JMR
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/25/2020 5:22:08 PM	52662
Surr: BFB	103	70-130		%Rec	1	5/25/2020 5:22:08 PM	52662
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	5/28/2020 1:38:23 AM	52675
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/28/2020 1:38:23 AM	52675
Surr: DNOP	155	55.1-146	S	%Rec	1	5/28/2020 1:38:23 AM	52675

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

<b>Qualifiers:</b>	*	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: 2005968

Date Reported: 5/28/2020

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Talon Artesia  
**Project:** Hackberry 1H Spill

**Lab Order:** 2005968**Lab ID:** 2005968-010**Collection Date:** 5/20/2020**Client Sample ID:** TT-3 2'**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: JMR
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/25/2020 5:51:25 PM	52662
Surr: BFB	101	70-130		%Rec	1	5/25/2020 5:51:25 PM	52662
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	5/28/2020 2:03:06 AM	52675
Motor Oil Range Organics (MRO)	ND	51		mg/Kg	1	5/28/2020 2:03:06 AM	52675
Surr: DNOP	157	55.1-146	S	%Rec	1	5/28/2020 2:03:06 AM	52675

**Lab ID:** 2005968-011**Collection Date:** 5/20/2020**Client Sample ID:** TT-6 1'**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/25/2020 6:20:38 PM	52662
Surr: BFB	104	70-130		%Rec	1	5/25/2020 6:20:38 PM	52662
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	5/28/2020 2:27:58 AM	52675
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/28/2020 2:27:58 AM	52675
Surr: DNOP	142	55.1-146		%Rec	1	5/28/2020 2:27:58 AM	52675

**Lab ID:** 2005968-012**Collection Date:** 5/20/2020**Client Sample ID:** TT-6 2'**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: JMR
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/25/2020 6:49:49 PM	52662
Surr: BFB	106	70-130		%Rec	1	5/25/2020 6:49:49 PM	52662
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	5/28/2020 2:52:39 AM	52675
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/28/2020 2:52:39 AM	52675
Surr: DNOP	150	55.1-146	S	%Rec	1	5/28/2020 2:52:39 AM	52675

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

<b>Qualifiers:</b>	*	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: 2005968

Date Reported: 5/28/2020

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Talon Artesia  
**Project:** Hackberry 1H Spill

**Lab Order:** 2005968**Lab ID:** 2005968-013**Collection Date:** 5/20/2020**Client Sample ID:** TT-6 3'**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: JMR
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/25/2020 7:19:43 PM	52662
Surr: BFB	100	70-130		%Rec	1	5/25/2020 7:19:43 PM	52662
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	5/28/2020 3:17:22 AM	52675
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/28/2020 3:17:22 AM	52675
Surr: DNOP	143	55.1-146		%Rec	1	5/28/2020 3:17:22 AM	52675

**Lab ID:** 2005968-014**Collection Date:** 5/20/2020**Client Sample ID:** TT-6 4'**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: JMR
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/25/2020 7:49:01 PM	52662
Surr: BFB	109	70-130		%Rec	1	5/25/2020 7:49:01 PM	52662
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	5/28/2020 3:42:03 AM	52675
Motor Oil Range Organics (MRO)	ND	51		mg/Kg	1	5/28/2020 3:42:03 AM	52675
Surr: DNOP	147	55.1-146	S	%Rec	1	5/28/2020 3:42:03 AM	52675

**Lab ID:** 2005968-015**Collection Date:** 5/20/2020**Client Sample ID:** TT-7 1'**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: JMR
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/25/2020 8:18:15 PM	52662
Surr: BFB	109	70-130		%Rec	1	5/25/2020 8:18:15 PM	52662
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	5/28/2020 4:06:49 AM	52675
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/28/2020 4:06:49 AM	52675
Surr: DNOP	155	55.1-146	S	%Rec	1	5/28/2020 4:06:49 AM	52675

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

<b>Qualifiers:</b>	*	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: 2005968

Date Reported: 5/28/2020

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Talon Artesia  
**Project:** Hackberry 1H Spill

**Lab Order:** 2005968**Lab ID:** 2005968-016**Collection Date:** 5/20/2020**Client Sample ID:** TT-7 2'**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/25/2020 8:47:56 PM	52662
Surr: BFB	105	70-130		%Rec	1	5/25/2020 8:47:56 PM	52662
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	5/28/2020 4:31:28 AM	52675
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/28/2020 4:31:28 AM	52675
Surr: DNOP	126	55.1-146		%Rec	1	5/28/2020 4:31:28 AM	52675

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

<b>Qualifiers:</b>	*	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#: 2005968

28-May-20

**Client:** Talon Artesia  
**Project:** Hackberry 1H Spill

Sample ID: <b>MB-52675</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>52675</b>	RunNo: <b>69153</b>								
Prep Date: <b>5/26/2020</b>	Analysis Date: <b>5/27/2020</b>	SeqNo: <b>2397939</b>	Units: <b>mg/Kg</b>							
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	13		10.00		127	55.1	146			

Sample ID: <b>LCS-52675</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>52675</b>	RunNo: <b>69153</b>								
Prep Date: <b>5/26/2020</b>	Analysis Date: <b>5/27/2020</b>	SeqNo: <b>2397940</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	60	10	50.00	0	119	70	130			
Surr: DNOP	5.8		5.000		116	55.1	146			

**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 7 of 8



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

WO#: 2005968

28-May-20

**Client:** Talon Artesia  
**Project:** Hackberry 1H Spill

Sample ID: <b>mb-52662</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015D Mod: Gasoline Range</b>						
Client ID: <b>PBS</b>	Batch ID: <b>52662</b>			RunNo: <b>69123</b>						
Prep Date: <b>5/22/2020</b>	Analysis Date: <b>5/25/2020</b>			SeqNo: <b>2395271</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	520		500.0		104	70	130			

Sample ID: <b>lcs-52662</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015D Mod: Gasoline Range</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>52662</b>			RunNo: <b>69123</b>						
Prep Date: <b>5/22/2020</b>	Analysis Date: <b>5/25/2020</b>			SeqNo: <b>2395272</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	86.2	70	130			
Surr: BFB	500		500.0		101	70	130			

Sample ID: <b>2005968-002ams</b>	SampType: <b>MS</b>			TestCode: <b>EPA Method 8015D Mod: Gasoline Range</b>						
Client ID: <b>TT-1 2'</b>	Batch ID: <b>52662</b>			RunNo: <b>69137</b>						
Prep Date: <b>5/22/2020</b>	Analysis Date: <b>5/25/2020</b>			SeqNo: <b>2396041</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	5.0	24.80	0	80.2	70	130			
Surr: BFB	520		496.0		105	70	130			

Sample ID: <b>2005968-002amsd</b>	SampType: <b>MSD</b>			TestCode: <b>EPA Method 8015D Mod: Gasoline Range</b>						
Client ID: <b>TT-1 2'</b>	Batch ID: <b>52662</b>			RunNo: <b>69137</b>						
Prep Date: <b>5/22/2020</b>	Analysis Date: <b>5/25/2020</b>			SeqNo: <b>2396042</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	18	4.8	24.13	0	76.0	70	130	8.11	20	
Surr: BFB	490		482.6		102	70	130	0	0	

Sample ID: <b>mb-52673</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015D Mod: Gasoline Range</b>						
Client ID: <b>PBS</b>	Batch ID: <b>52673</b>			RunNo: <b>69151</b>						
Prep Date: <b>5/25/2020</b>	Analysis Date: <b>5/27/2020</b>			SeqNo: <b>2397031</b>		Units: <b>%Rec</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	490		500.0		97.2	70	130			

Sample ID: <b>lcs-52673</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015D Mod: Gasoline Range</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>52673</b>			RunNo: <b>69151</b>						
Prep Date: <b>5/25/2020</b>	Analysis Date: <b>5/27/2020</b>			SeqNo: <b>2397032</b>		Units: <b>%Rec</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	490		500.0		97.1	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 8 of 8



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

## Sample Log-In Check List

Client Name: TALON ARTESIA

Work Order Number: 2005968

RcptNo: 1

Received By: Isaiah Ortiz

5/21/2020 9:00:00 AM

Completed By: Isaiah Ortiz

5/22/2020 11:34:37 AM

Reviewed By: LB

5/22/20

I-OX  
I-OXChain 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  $6.0^{\circ}\text{C}$ ? 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:

(&lt;2 or &gt;12 unless noted)

Adjusted? \_\_\_\_\_

Checked by: JSE 5/22/20

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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.8	Good	Not Present			







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

WO#: 2005438

13-May-20

**Client:** Talon Artesia  
**Project:** Hackberry 26 Battery

Sample ID: <b>LCS-52406</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>52406</b>			RunNo: <b>68810</b>						
Prep Date: <b>5/12/2020</b>	Analysis Date: <b>5/12/2020</b>			SeqNo: <b>2381390</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	98.9	70	130			
Surr: DNOP	4.0		5.000		79.8	55.1	146			

Sample ID: <b>MB-52406</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>52406</b>			RunNo: <b>68810</b>						
Prep Date: <b>5/12/2020</b>	Analysis Date: <b>5/12/2020</b>			SeqNo: <b>2381391</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.4		10.00		94.4	55.1	146			

**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#: 2005438

13-May-20

**Client:** Talon Artesia  
**Project:** Hackberry 26 Battery

Sample ID: <b>mb1</b>	SampType: <b>MBLK</b>				TestCode: <b>EPA Method 8015D Mod: Gasoline Range</b>					
Client ID: <b>PBS</b>	Batch ID: <b>G68840</b>				RunNo: <b>68840</b>					
Prep Date:	Analysis Date: <b>5/12/2020</b>				SeqNo: <b>2382824</b>		Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	460		500.0		92.4	70	130			

Sample ID: <b>2.5ug gro lcs</b>	SampType: <b>LCS</b>				TestCode: <b>EPA Method 8015D Mod: Gasoline Range</b>					
Client ID: <b>LCSS</b>	Batch ID: <b>G68840</b>				RunNo: <b>68840</b>					
Prep Date:	Analysis Date: <b>5/12/2020</b>				SeqNo: <b>2382825</b>		Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	84.8	70	130			
Surr: BFB	480		500.0		95.5	70	130			

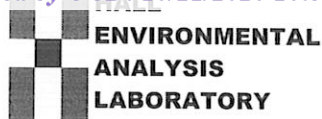
Sample ID: <b>2005438-001ams</b>	SampType: <b>MS</b>				TestCode: <b>EPA Method 8015D Mod: Gasoline Range</b>					
Client ID: <b>S-1 S SW 0.5'</b>	Batch ID: <b>G68840</b>				RunNo: <b>68840</b>					
Prep Date:	Analysis Date: <b>5/12/2020</b>				SeqNo: <b>2382831</b>		Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.7	23.32	0	102	70	130			
Surr: BFB	440		466.4		94.5	70	130			

Sample ID: <b>2005438-001amsd</b>	SampType: <b>MSD</b>				TestCode: <b>EPA Method 8015D Mod: Gasoline Range</b>					
Client ID: <b>S-1 S SW 0.5'</b>	Batch ID: <b>G68840</b>				RunNo: <b>68840</b>					
Prep Date:	Analysis Date: <b>5/12/2020</b>				SeqNo: <b>2382832</b>		Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.7	23.32	0	97.8	70	130	4.40	20	
Surr: BFB	450		466.4		95.8	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



## Sample Log-In Check List

Client Name: TALON ARTESIA

Work Order Number: 2005438

RcptNo: 1

Received By: Isaiah Ortiz 5/12/2020 9:20:00 AM

Completed By: Desiree Dominguez 5/12/2020 9:22:42 AM

Reviewed By: JR 5/12/20

I-04

ID3

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  $6.0^{\circ}\text{C}$ ? 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:

(&lt;2 or &gt;12 unless noted)

Adjusted? \_\_\_\_\_

Checked by: EM 5/12/20

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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.1	Good	Not Present			
2	1.2	Good	Not Present			





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

July 06, 2020

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

RE: Hackberry 26 CTB 1

OrderNo.: 2007003

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 1 sample(s) on 7/1/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://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 horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109



## Analytical Report

Lab Order 2007003

Date Reported: 7/6/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-2 &amp; S3 SW Composite

Project: Hackberry 26 CTB 1

Collection Date: 6/30/2020 1:00:00 PM

Lab ID: 2007003-001

Matrix: SOIL

Received Date: 7/1/2020 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: JME
Diesel Range Organics (DRO)	11	10		mg/Kg	1	7/1/2020 3:49:21 PM	53449
Motor Oil Range Organics (MRO)	61	51		mg/Kg	1	7/1/2020 3:49:21 PM	53449
Surr: DNOP	99.5	55.1-146		%Rec	1	7/1/2020 3:49:21 PM	53449
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	7/1/2020 3:13:33 PM	G70053
Surr: BFB	98.6	66.6-105		%Rec	1	7/1/2020 3:13:33 PM	G70053

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

<b>Qualifiers:</b>	*	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 3



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

WO#: 2007003

06-Jul-20

**Client:** Talon Artesia  
**Project:** Hackberry 26 CTB 1

Sample ID: <b>MB-53449</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>53449</b>	RunNo: <b>70058</b>								
Prep Date: <b>7/1/2020</b>	Analysis Date: <b>7/1/2020</b>	SeqNo: <b>2434178</b>	Units: <b>mg/Kg</b>							
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		106	55.1	146			

Sample ID: <b>LCS-53449</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>53449</b>	RunNo: <b>70058</b>								
Prep Date: <b>7/1/2020</b>	Analysis Date: <b>7/1/2020</b>	SeqNo: <b>2434179</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	56	10	50.00	0	111	70	130			
Surr: DNOP	5.4		5.000		109	55.1	146			

**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#: 2007003

06-Jul-20

**Client:** Talon Artesia  
**Project:** Hackberry 26 CTB 1

Sample ID: <b>mb1</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>G70053</b>		RunNo: <b>70053</b>							
Prep Date:	Analysis Date: <b>7/1/2020</b>		SeqNo: <b>2434081</b>		Units: <b>mg/Kg</b>					
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		101	66.6	105			

Sample ID: <b>2.5ug gro lcs</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>G70053</b>		RunNo: <b>70053</b>							
Prep Date:	Analysis Date: <b>7/1/2020</b>		SeqNo: <b>2434082</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	104	80	120			
Surr: BFB	1100		1000		114	66.6	105			S

**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



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: 2007003

RcptNo: 1

Received By: Juan Rojas

7/1/2020 9:20:00 AM

*Juan Rojas*

Completed By: Juan Rojas

7/1/2020 10:25:16 AM

*Juan Rojas*

Reviewed By:

### 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  $6.0^{\circ}\text{C}$ ? 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: SPA 7.1.20

### Special Handling (if applicable)

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

Person Notified:	<input type="text"/>	Date	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

16. Additional remarks:

### 17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.2	Good				





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

August 06, 2020

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

RE: ER S Hackberry

OrderNo.: 2007D62

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 3 sample(s) on 7/28/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://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 white background.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109



## Analytical Report

Lab Order 2007D62

Date Reported: 8/6/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: BG-East

Project: ER S Hackberry

Collection Date: 7/27/2020 10:00:00 AM

Lab ID: 2007D62-001

Matrix: SOIL

Received Date: 7/28/2020 11:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CJS</b>
Chloride	200	60		mg/Kg	20	7/30/2020 7:45:10 PM	54068
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>BRM</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/30/2020 7:55:39 PM	54031
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/30/2020 7:55:39 PM	54031
Surr: DNOP	98.7	30.4-154		%Rec	1	7/30/2020 7:55:39 PM	54031
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/30/2020 9:03:32 PM	54029
Surr: BFB	94.4	75.3-105		%Rec	1	7/30/2020 9:03:32 PM	54029

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

<b>Qualifiers:</b>	*	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 6

## Analytical Report

Lab Order 2007D62

Date Reported: 8/6/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: BG-South

Project: ER S Hackberry

Collection Date: 7/27/2020 10:10:00 AM

Lab ID: 2007D62-002

Matrix: SOIL

Received Date: 7/28/2020 11:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CJS
Chloride	160	60		mg/Kg	20	7/30/2020 7:57:35 PM	54068
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/30/2020 8:19:55 PM	54031
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/30/2020 8:19:55 PM	54031
Surr: DNOP	90.7	30.4-154		%Rec	1	7/30/2020 8:19:55 PM	54031
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/30/2020 9:27:04 PM	54029
Surr: BFB	95.9	75.3-105		%Rec	1	7/30/2020 9:27:04 PM	54029

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

<b>Qualifiers:</b>	*	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 6

## Analytical Report

Lab Order 2007D62

Date Reported: 8/6/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: BG-West

Project: ER S Hackberry

Collection Date: 7/27/2020 10:20:00 AM

Lab ID: 2007D62-003

Matrix: SOIL

Received Date: 7/28/2020 11:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	120	60		mg/Kg	20	7/30/2020 11:31:16 PM	54076
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/30/2020 8:44:28 PM	54031
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/30/2020 8:44:28 PM	54031
Surr: DNOP	97.1	30.4-154		%Rec	1	7/30/2020 8:44:28 PM	54031
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/30/2020 9:50:31 PM	54029
Surr: BFB	96.0	75.3-105		%Rec	1	7/30/2020 9:50:31 PM	54029

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

<b>Qualifiers:</b>	*	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 6

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

WO#: 2007D62

06-Aug-20

**Client:** Talon Artesia  
**Project:** ER S Hackberry

Sample ID: <b>MB-54076</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>54076</b>	RunNo: <b>70743</b>								
Prep Date: <b>7/30/2020</b>	Analysis Date: <b>7/30/2020</b>	SeqNo: <b>2461887</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-54076</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>54076</b>	RunNo: <b>70743</b>								
Prep Date: <b>7/30/2020</b>	Analysis Date: <b>7/30/2020</b>	SeqNo: <b>2461888</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.6	90	110			

Sample ID: <b>MB-54068</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>54068</b>	RunNo: <b>70745</b>								
Prep Date: <b>7/30/2020</b>	Analysis Date: <b>7/30/2020</b>	SeqNo: <b>2461989</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-54068</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>54068</b>	RunNo: <b>70745</b>								
Prep Date: <b>7/30/2020</b>	Analysis Date: <b>7/30/2020</b>	SeqNo: <b>2461990</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.7	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#: 2007D62

06-Aug-20

**Client:** Talon Artesia  
**Project:** ER S Hackberry

Sample ID: <b>LCS-54031</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>54031</b>		RunNo: <b>70721</b>							
Prep Date: <b>7/29/2020</b>	Analysis Date: <b>7/30/2020</b>		SeqNo: <b>2462396</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	10	50.00	0	106	70	130			
Surr: DNOP	4.6		5.000		92.0	30.4	154			

Sample ID: <b>MB-54031</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>54031</b>		RunNo: <b>70721</b>							
Prep Date: <b>7/29/2020</b>	Analysis Date: <b>7/30/2020</b>		SeqNo: <b>2462397</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.4		10.00		94.2	30.4	154			

**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#: 2007D62

06-Aug-20

**Client:** Talon Artesia  
**Project:** ER S Hackberry

Sample ID: <b>lcs-54029</b>	SampType: <b>LCS</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>LCSS</b>	Batch ID: <b>54029</b>				RunNo: <b>70748</b>					
Prep Date: <b>7/29/2020</b>	Analysis Date: <b>7/30/2020</b>				SeqNo: <b>2462199</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.9	72.5	106			
Surr: BFB	1000		1000		105	75.3	105			

Sample ID: <b>mb-54029</b>	SampType: <b>MBLK</b>				TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>PBS</b>	Batch ID: <b>54029</b>				RunNo: <b>70748</b>					
Prep Date: <b>7/29/2020</b>	Analysis Date: <b>7/30/2020</b>				SeqNo: <b>2462201</b>	Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	980		1000		98.1	75.3	105			

**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



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: 2007D62

RcptNo: 1

Received By: Juan Rojas 7/28/2020 11:25:00 AM

Completed By: Juan Rojas 7/28/2020 11:47:45 AM

Reviewed By: *LP*

7/28/20

*Juan Rojas**Juan Rojas*

### 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  $6.0^{\circ}\text{C}$ ? 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? Yes ☒ No ☐  
(Note discrepancies on chain of custody)  
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? Yes ☒ No ☐  
(If no, notify customer for authorization.)

# of preserved  
bottles checked  
for pH:  
( $<2$  or  $\geq 12$  unless noted)

Adjusted? ☐Checked by: *CMC 7/28/20*

### 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 PersonRegarding: Client Instructions: 

16. Additional remarks:

### 17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good				

## Chain-of-Custody Record

Client: Talon LPE

408 W Texas St

Mailing Address: Artesia, NM 88210

Phone #: 575-441-0980

email or Fax#: (575) 746-8905

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)Accreditation: ☐ Az Compliance☐ NELAC ☐ Other☐ EDD (Type)

Sampler: Rebecca Pons

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CE): 10-0-1.0

Container Type and #

Preservative Type

HEAL No.

20076062

-001

-002

-003

Turn-Around Time: 4 Days

☒ Standard ☐ Rush

Project Name:

EPA-Heavy

Project #:

101901.088.01

Project Manager:

Rebecca Pons

Sampler: Rebecca Pons

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CE): 10-0-1.0

Container Type and #

Preservative Type

HEAL No.

20076062

-001

-002

-003

Turn-Around Time: 4 Days

☒ Standard ☐ Rush

Project Name:

EPA-Heavy

Project #:

101901.088.01

Project Manager:

Rebecca Pons

Sampler: Rebecca Pons

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CE): 10-0-1.0

Container Type and #

Preservative Type

HEAL No.

20076062

-001

-002

-003

Turn-Around Time: 4 Days

☒ Standard ☐ Rush

Project Name:

EPA-Heavy

Project #:

101901.088.01

Project Manager:

Rebecca Pons

Sampler: Rebecca Pons

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CE): 10-0-1.0

Container Type and #

Preservative Type

HEAL No.

20076062

-001

-002

-003

Turn-Around Time: 4 Days

☒ Standard ☐ Rush

Project Name:

EPA-Heavy

Project #:

101901.088.01

Project Manager:

Rebecca Pons

Sampler: Rebecca Pons

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CE): 10-0-1.0

Container Type and #

Preservative Type

HEAL No.

20076062

-001

-002

-003

Turn-Around Time: 4 Days

☒ Standard ☐ Rush

Project Name:

EPA-Heavy

Project #:

101901.088.01

Project Manager:

Rebecca Pons

Sampler: Rebecca Pons

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CE): 10-0-1.0

Container Type and #

Preservative Type

HEAL No.

20076062

-001

-002

-003

Turn-Around Time: 4 Days

☒ Standard ☐ Rush

Project Name:

EPA-Heavy

Project #:

101901.088.01

Project Manager:

Rebecca Pons

Sampler: Rebecca Pons

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CE): 10-0-1.0

Container Type and #

Preservative Type

HEAL No.

20076062

-001

-002

-003

Turn-Around Time: 4 Days

☒ Standard ☐ Rush

Project Name:

EPA-Heavy

Project #:

101901.088.01

Project Manager:

Rebecca Pons

Sampler: Rebecca Pons

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CE): 10-0-1.0

Container Type and #

Preservative Type

HEAL No.

20076062

-001

-002

-003

Turn-Around Time: 4 Days

☒ Standard ☐ Rush

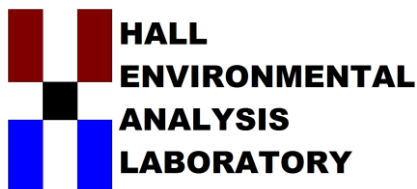
Project Name:

EPA-Heavy

Project #:

101901.088.01

Project



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

October 08, 2020

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

RE: ERTS Hackberry Rhs Spill (Hackberry)

OrderNo.: 2010116

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 8 sample(s) on 10/2/2020 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://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 horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2010116

Date Reported: 10/8/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S1 2'

Project: ERTS Hackberry Rhs Spill (Hackberry)

Collection Date: 10/1/2020 10:30:00 AM

Lab ID: 2010116-001

Matrix: SOIL

Received Date: 10/2/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	10/7/2020 8:37:47 PM	55707
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/5/2020 7:52:11 PM	55620
Surr: BFB	103	70-130		%Rec	1	10/5/2020 7:52:11 PM	55620
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: mb
Diesel Range Organics (DRO)	ND	8.8		mg/Kg	1	10/5/2020 12:08:47 PM	55626
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	10/5/2020 12:08:47 PM	55626
Surr: DNOP	89.3	30.4-154		%Rec	1	10/5/2020 12:08:47 PM	55626
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: JMR
Benzene	ND	0.025		mg/Kg	1	10/5/2020 7:52:11 PM	55620
Toluene	ND	0.049		mg/Kg	1	10/5/2020 7:52:11 PM	55620
Ethylbenzene	ND	0.049		mg/Kg	1	10/5/2020 7:52:11 PM	55620
Xylenes, Total	ND	0.098		mg/Kg	1	10/5/2020 7:52:11 PM	55620
Surr: 1,2-Dichloroethane-d4	94.8	70-130		%Rec	1	10/5/2020 7:52:11 PM	55620
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	10/5/2020 7:52:11 PM	55620
Surr: Dibromofluoromethane	108	70-130		%Rec	1	10/5/2020 7:52:11 PM	55620
Surr: Toluene-d8	103	70-130		%Rec	1	10/5/2020 7:52:11 PM	55620

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

<b>Qualifiers:</b>	*	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 12



## Analytical Report

Lab Order 2010116

Date Reported: 10/8/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S2 2'

Project: ERTS Hackberry Rhs Spill (Hackberry)

Collection Date: 10/1/2020 10:40:00 AM

Lab ID: 2010116-002

Matrix: SOIL

Received Date: 10/2/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	10/7/2020 9:15:00 PM	55707
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/5/2020 8:20:43 PM	55620
Surr: BFB	102	70-130		%Rec	1	10/5/2020 8:20:43 PM	55620
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: mb
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/5/2020 12:18:30 PM	55626
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/5/2020 12:18:30 PM	55626
Surr: DNOP	103	30.4-154		%Rec	1	10/5/2020 12:18:30 PM	55626
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: JMR
Benzene	ND	0.025		mg/Kg	1	10/5/2020 8:20:43 PM	55620
Toluene	ND	0.049		mg/Kg	1	10/5/2020 8:20:43 PM	55620
Ethylbenzene	ND	0.049		mg/Kg	1	10/5/2020 8:20:43 PM	55620
Xylenes, Total	ND	0.098		mg/Kg	1	10/5/2020 8:20:43 PM	55620
Surr: 1,2-Dichloroethane-d4	96.0	70-130		%Rec	1	10/5/2020 8:20:43 PM	55620
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	10/5/2020 8:20:43 PM	55620
Surr: Dibromofluoromethane	108	70-130		%Rec	1	10/5/2020 8:20:43 PM	55620
Surr: Toluene-d8	103	70-130		%Rec	1	10/5/2020 8:20:43 PM	55620

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

<b>Qualifiers:</b>	*	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 2010116

Date Reported: 10/8/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S3 2'

Project: ERTS Hackberry Rhs Spill (Hackberry)

Collection Date: 10/1/2020 10:50:00 AM

Lab ID: 2010116-003

Matrix: SOIL

Received Date: 10/2/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	10/7/2020 9:27:24 PM	55707
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/5/2020 8:49:10 PM	55620
Surr: BFB	104	70-130		%Rec	1	10/5/2020 8:49:10 PM	55620
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: mb
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/5/2020 12:28:13 PM	55626
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/5/2020 12:28:13 PM	55626
Surr: DNOP	93.3	30.4-154		%Rec	1	10/5/2020 12:28:13 PM	55626
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: JMR
Benzene	ND	0.025		mg/Kg	1	10/5/2020 8:49:10 PM	55620
Toluene	ND	0.049		mg/Kg	1	10/5/2020 8:49:10 PM	55620
Ethylbenzene	ND	0.049		mg/Kg	1	10/5/2020 8:49:10 PM	55620
Xylenes, Total	ND	0.099		mg/Kg	1	10/5/2020 8:49:10 PM	55620
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	1	10/5/2020 8:49:10 PM	55620
Surr: 4-Bromofluorobenzene	109	70-130		%Rec	1	10/5/2020 8:49:10 PM	55620
Surr: Dibromofluoromethane	106	70-130		%Rec	1	10/5/2020 8:49:10 PM	55620
Surr: Toluene-d8	101	70-130		%Rec	1	10/5/2020 8:49:10 PM	55620

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

<b>Qualifiers:</b>	*	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 12

## Analytical Report

Lab Order 2010116

Date Reported: 10/8/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S4 2'

Project: ERTS Hackberry Rhs Spill (Hackberry)

Collection Date: 10/1/2020 11:00:00 AM

Lab ID: 2010116-004

Matrix: SOIL

Received Date: 10/2/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	10/7/2020 9:39:48 PM	55707
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/5/2020 9:17:38 PM	55620
Surr: BFB	103	70-130		%Rec	1	10/5/2020 9:17:38 PM	55620
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: mb
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/5/2020 12:37:57 PM	55626
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/5/2020 12:37:57 PM	55626
Surr: DNOP	91.0	30.4-154		%Rec	1	10/5/2020 12:37:57 PM	55626
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: JMR
Benzene	ND	0.024		mg/Kg	1	10/5/2020 9:17:38 PM	55620
Toluene	ND	0.049		mg/Kg	1	10/5/2020 9:17:38 PM	55620
Ethylbenzene	ND	0.049		mg/Kg	1	10/5/2020 9:17:38 PM	55620
Xylenes, Total	ND	0.097		mg/Kg	1	10/5/2020 9:17:38 PM	55620
Surr: 1,2-Dichloroethane-d4	97.5	70-130		%Rec	1	10/5/2020 9:17:38 PM	55620
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	10/5/2020 9:17:38 PM	55620
Surr: Dibromofluoromethane	104	70-130		%Rec	1	10/5/2020 9:17:38 PM	55620
Surr: Toluene-d8	101	70-130		%Rec	1	10/5/2020 9:17:38 PM	55620

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 12

## Analytical Report

Lab Order 2010116

Date Reported: 10/8/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S5 2'

Project: ERTS Hackberry Rhs Spill (Hackberry)

Collection Date: 10/1/2020 11:10:00 AM

Lab ID: 2010116-005

Matrix: SOIL

Received Date: 10/2/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	59		mg/Kg	20	10/7/2020 9:52:13 PM	55707
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/5/2020 9:46:07 PM	55620
Surr: BFB	105	70-130		%Rec	1	10/5/2020 9:46:07 PM	55620
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: mb
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/5/2020 12:47:41 PM	55626
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/5/2020 12:47:41 PM	55626
Surr: DNOP	98.0	30.4-154		%Rec	1	10/5/2020 12:47:41 PM	55626
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: JMR
Benzene	ND	0.025		mg/Kg	1	10/5/2020 9:46:07 PM	55620
Toluene	ND	0.049		mg/Kg	1	10/5/2020 9:46:07 PM	55620
Ethylbenzene	ND	0.049		mg/Kg	1	10/5/2020 9:46:07 PM	55620
Xylenes, Total	ND	0.099		mg/Kg	1	10/5/2020 9:46:07 PM	55620
Surr: 1,2-Dichloroethane-d4	94.2	70-130		%Rec	1	10/5/2020 9:46:07 PM	55620
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	10/5/2020 9:46:07 PM	55620
Surr: Dibromofluoromethane	105	70-130		%Rec	1	10/5/2020 9:46:07 PM	55620
Surr: Toluene-d8	104	70-130		%Rec	1	10/5/2020 9:46:07 PM	55620

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 12

## Analytical Report

Lab Order 2010116

Date Reported: 10/8/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S6 2'

Project: ERTS Hackberry Rhs Spill (Hackberry)

Collection Date: 10/1/2020 11:20:00 AM

Lab ID: 2010116-006

Matrix: SOIL

Received Date: 10/2/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	10/7/2020 10:04:37 PM	55707
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/5/2020 10:14:35 PM	55620
Surr: BFB	101	70-130		%Rec	1	10/5/2020 10:14:35 PM	55620
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: mb
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/5/2020 12:57:27 PM	55626
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/5/2020 12:57:27 PM	55626
Surr: DNOP	98.7	30.4-154		%Rec	1	10/5/2020 12:57:27 PM	55626
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: JMR
Benzene	ND	0.024		mg/Kg	1	10/5/2020 10:14:35 PM	55620
Toluene	ND	0.048		mg/Kg	1	10/5/2020 10:14:35 PM	55620
Ethylbenzene	ND	0.048		mg/Kg	1	10/5/2020 10:14:35 PM	55620
Xylenes, Total	ND	0.097		mg/Kg	1	10/5/2020 10:14:35 PM	55620
Surr: 1,2-Dichloroethane-d4	91.6	70-130		%Rec	1	10/5/2020 10:14:35 PM	55620
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	10/5/2020 10:14:35 PM	55620
Surr: Dibromofluoromethane	105	70-130		%Rec	1	10/5/2020 10:14:35 PM	55620
Surr: Toluene-d8	101	70-130		%Rec	1	10/5/2020 10:14:35 PM	55620

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

<b>Qualifiers:</b>	*	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 12



## Analytical Report

Lab Order 2010116

Date Reported: 10/8/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S7 2'

Project: ERTS Hackberry Rhs Spill (Hackberry)

Collection Date: 10/1/2020 11:30:00 AM

Lab ID: 2010116-007

Matrix: SOIL

Received Date: 10/2/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	10/7/2020 10:17:01 PM	55707
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/6/2020 12:37:11 AM	55620
Surr: BFB	99.7	70-130		%Rec	1	10/6/2020 12:37:11 AM	55620
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: mb
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/5/2020 1:07:21 PM	55626
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/5/2020 1:07:21 PM	55626
Surr: DNOP	96.9	30.4-154		%Rec	1	10/5/2020 1:07:21 PM	55626
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: JMR
Benzene	ND	0.025		mg/Kg	1	10/6/2020 12:37:11 AM	55620
Toluene	ND	0.049		mg/Kg	1	10/6/2020 12:37:11 AM	55620
Ethylbenzene	ND	0.049		mg/Kg	1	10/6/2020 12:37:11 AM	55620
Xylenes, Total	ND	0.099		mg/Kg	1	10/6/2020 12:37:11 AM	55620
Surr: 1,2-Dichloroethane-d4	99.1	70-130		%Rec	1	10/6/2020 12:37:11 AM	55620
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	10/6/2020 12:37:11 AM	55620
Surr: Dibromofluoromethane	111	70-130		%Rec	1	10/6/2020 12:37:11 AM	55620
Surr: Toluene-d8	96.6	70-130		%Rec	1	10/6/2020 12:37:11 AM	55620

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

<b>Qualifiers:</b>	*	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 12

## Analytical Report

Lab Order 2010116

Date Reported: 10/8/2020

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S8 2'

Project: ERTS Hackberry Rhs Spill (Hackberry)

Collection Date: 10/1/2020 11:40:00 AM

Lab ID: 2010116-008

Matrix: SOIL

Received Date: 10/2/2020 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	10/7/2020 10:54:15 PM	55707
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: JMR
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/6/2020 1:05:43 AM	55620
Surr: BFB	103	70-130		%Rec	1	10/6/2020 1:05:43 AM	55620
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: mb
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/5/2020 1:17:15 PM	55626
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/5/2020 1:17:15 PM	55626
Surr: DNOP	94.6	30.4-154		%Rec	1	10/5/2020 1:17:15 PM	55626
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: JMR
Benzene	ND	0.025		mg/Kg	1	10/6/2020 1:05:43 AM	55620
Toluene	ND	0.050		mg/Kg	1	10/6/2020 1:05:43 AM	55620
Ethylbenzene	ND	0.050		mg/Kg	1	10/6/2020 1:05:43 AM	55620
Xylenes, Total	ND	0.099		mg/Kg	1	10/6/2020 1:05:43 AM	55620
Surr: 1,2-Dichloroethane-d4	96.3	70-130		%Rec	1	10/6/2020 1:05:43 AM	55620
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	10/6/2020 1:05:43 AM	55620
Surr: Dibromofluoromethane	101	70-130		%Rec	1	10/6/2020 1:05:43 AM	55620
Surr: Toluene-d8	99.7	70-130		%Rec	1	10/6/2020 1:05:43 AM	55620

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

<b>Qualifiers:</b>	*	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 12

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

WO#: 2010116

08-Oct-20

**Client:** Talon Artesia**Project:** ERTS Hackberry Rhs Spill (Hackberry)

Sample ID: <b>MB-55707</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>55707</b>	RunNo: <b>72490</b>								
Prep Date: <b>10/7/2020</b>	Analysis Date: <b>10/7/2020</b>	SeqNo: <b>2544370</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-55707</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>55707</b>	RunNo: <b>72490</b>								
Prep Date: <b>10/7/2020</b>	Analysis Date: <b>10/7/2020</b>	SeqNo: <b>2544371</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.5	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

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

WO#: 2010116

08-Oct-20

**Client:** Talon Artesia**Project:** ERTS Hackberry Rhs Spill (Hackberry)

Sample ID: <b>MB-55626</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>55626</b>	RunNo: <b>72384</b>								
Prep Date: <b>10/3/2020</b>	Analysis Date: <b>10/5/2020</b>	SeqNo: <b>2539069</b>	Units: <b>mg/Kg</b>							
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		99.5	30.4	154			

Sample ID: <b>LCS-55626</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>55626</b>	RunNo: <b>72384</b>								
Prep Date: <b>10/3/2020</b>	Analysis Date: <b>10/5/2020</b>	SeqNo: <b>2539070</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	91.9	70	130			
Surr: DNOP	4.5		5.000		90.6	30.4	154			

**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#: 2010116

08-Oct-20

**Client:** Talon Artesia**Project:** ERTS Hackberry Rhs Spill (Hackberry)

Sample ID: <b>Ics-55620</b>	SampType: <b>LCS4</b>	TestCode: <b>EPA Method 8260B: Volatiles Short List</b>								
Client ID: <b>BatchQC</b>	Batch ID: <b>55620</b>	RunNo: <b>72410</b>								
Prep Date: <b>10/2/2020</b>	Analysis Date: <b>10/5/2020</b>	SeqNo: <b>2540285</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	90.5	80	120			
Toluene	1.0	0.050	1.000	0	102	80	120			
Ethylbenzene	1.0	0.050	1.000	0	104	80	120			
Xylenes, Total	3.1	0.10	3.000	0	103	80	120			
Surr: 1,2-Dichloroethane-d4	0.47		0.5000		93.5	70	130			
Surr: 4-Bromofluorobenzene	0.52		0.5000		105	70	130			
Surr: Dibromofluoromethane	0.53		0.5000		105	70	130			
Surr: Toluene-d8	0.51		0.5000		102	70	130			

Sample ID: <b>mb-55620</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8260B: Volatiles Short List</b>								
Client ID: <b>PBS</b>	Batch ID: <b>55620</b>	RunNo: <b>72410</b>								
Prep Date: <b>10/2/2020</b>	Analysis Date: <b>10/5/2020</b>	SeqNo: <b>2540286</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.45		0.5000		89.8	70	130			
Surr: 4-Bromofluorobenzene	0.51		0.5000		103	70	130			
Surr: Dibromofluoromethane	0.52		0.5000		105	70	130			
Surr: Toluene-d8	0.50		0.5000		101	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 11 of 12



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

WO#: 2010116

08-Oct-20

**Client:** Talon Artesia**Project:** ERTS Hackberry Rhs Spill (Hackberry)

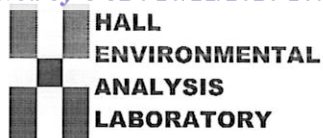
Sample ID: <b>lcs-55620</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D Mod: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>55620</b>	RunNo: <b>72410</b>								
Prep Date: <b>10/2/2020</b>	Analysis Date: <b>10/5/2020</b>	SeqNo: <b>2540309</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	87.8	70	130			
Surr: BFB	520		500.0		104	70	130			

Sample ID: <b>mb-55620</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D Mod: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>55620</b>	RunNo: <b>72410</b>								
Prep Date: <b>10/2/2020</b>	Analysis Date: <b>10/5/2020</b>	SeqNo: <b>2540310</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	510		500.0		101	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



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: 2010116

RcptNo: 1

Received By: Cheyenne Cason

10/2/2020 8:00:00 AM

Completed By: Juan Rojas

10/2/2020 9:13:21 AM

Reviewed By:

JR 10/2/20

### 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  $6.0^{\circ}\text{C}$ ? 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:

( $\leq 2$  or  $>12$  unless noted)

Adjusted? \_\_\_\_\_

Checked by: cmr 10/2/20

### 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 $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.7	Good				

## Chain-of-Custody Record

Client: Talon LPE  
 408 W Texas St  
 Mailing Address: Artesia, NM 88210  
 Phone #: \_\_\_\_\_  
 email or Fax#: (575) 746-8905  
 QA/QC Package:  
☐ Standard ☐ Level 4 (Full Validation)  
 Accreditation: ☐ Az Compliance  
☐ NELAC ☐ Other \_\_\_\_\_  
☐ EDD (Type) \_\_\_\_\_

Turn-Around Time: 4-Day  
☒ Standard ☐ Rush  
 Project Name: ERTS Hackberry PHS sp. 11  
 (Hackberry)  
 Project #: 701901088,01  
 Project Manager: Rebecca Pons  
 Sampler: Roy Bell  
 On Ice: ☒ Yes ☐ No  
 # of Coolers: 1  
 Cooler Temp (including CF): 2.8-0.1-2.7

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
10/1/20	10:30	soil	S1 2'	Jar	Ice/cob	7010116
	10:40		S2 2'			-001
	10:50		S3 2'			-002
	11:00		S4 2'			-003
	11:10		S5 2'			-004
	11:20		S6 2'			-005
	11:30		S7 2'			-006
	11:40		S8 2'			-007
						-008

Relinquished by: \_\_\_\_\_  
 Date: 10/1/20 Time: 11:40  
 Relinquished by: \_\_\_\_\_  
 Date: 10/1/20 Time: 11:40

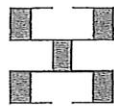
Received by: \_\_\_\_\_  
 Date: 10/1/20 Time: 11:30  
 Received by: \_\_\_\_\_  
 Date: 10/1/20 Time: 11:30

Remarks: Please cc the following via email:

Dadkins@talonlpe.com

Rpons@talonlpe.com

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**

www.hallenviromental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

BTEX / MTBE / TMB's (8021)

X

TPH:8015D(GRO / DRO / MRO)

X

8081 Pesticides/8082 PCB's

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

C, F, Br, NO<sub>3</sub>, NO<sub>2</sub>, PO<sub>4</sub>, SO<sub>4</sub>

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

**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 10772

**CONDITIONS OF APPROVAL**

Operator:		OGRID:	Action Number:	Action Type:
TALON LPE	408 W Texas	329944	10772	C-141
	Artesia, NM88210			
OCD Reviewer	Condition			
ceads	None			