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# **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**

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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
□Yes ⊠No	Within 300 feet of any continuously flowing wat any other significant watercourse	tercourse or
□Yes ⊠No	Within 200 feet of any lakebed, sinkhole or a p	laya lake
□Yes ⊠No	Within 300 feet from an occupied permanent reschool, hospital, institution or church	esidence,
□Yes ⊠No	Within 500 feet of a spring or a private, domest well used by less than five households for dom watering purposes	
□Yes ⊠No	Within 1000 feet of any freshwater well or sprin	ng
□Yes ⊠No	Within incorporated municipal boundaries or w municipal freshwater well field covered under a ordinance adopted pursuant to Section 3-2703	a municipal
□Yes ⊠No	Within 300 feet of a wetland	
⊡Yes ⊠No	Within the area overlying a subsurface mine	
⊠Yes ⊟No	Within an unstable area	
□Yes ⊠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:

	Tabl Closure Criteria for Soils		
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
<u>&lt;</u> 50 feet	Chloride	EPA 300.0 or SM4500 CI 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 (SM4500CI-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.

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		Table	<u>e 1 : Initia</u>	<u>al Soil Sa</u> l	mple Ana	alysis			
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 Cl .15.29.12		50 mg/kg	10 mg/kg				100 mg/kg	600 mg/kg
S-1	0	8/7/2019	ND	ND	ND	102	129	231	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
	0	8/7/2019	0.711	ND	88.8	10200	2800	13088.8	80
S-3	1	8/7/2019	ND	ND	ND	ND	ND	-	16
	2	8/7/2019	ND	ND	ND	ND	ND	-	30
	0	8/7/2019	ND	ND	ND	5920	1120	7040	688
S-4	1	8/7/2019	ND	ND	ND	ND	24.1	24.1	224
	2	8/7/2019	ND	ND	ND	ND	ND	ND	32
	0	8/7/2019	ND	ND	ND	2120	772	2892	208
S-5	1	08/7/2019	ND	ND	ND	110	28.6	138.6	96
	2	08/07/2019	ND	ND	ND	17.8	ND	17.8	96
	0	08/07/2019	ND	ND	ND	332	134	468	48
S-6	1	08/07/2019	ND	ND	ND	ND	ND	ND	64
	2	08/07/2019	ND	ND	ND	ND	ND	ND	32
	0	08/07/2019	ND	ND	ND	ND	ND	ND	160
S-7	1	08/07/2019	ND	ND	ND	ND	ND	ND	48
	2	08/07/2019	ND	ND	ND	ND	ND	ND	16
	0	08/07/2019	ND	ND	ND	25.4	12.9	38.3	80
S-8	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.

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Sample ID	Depth (ft.)	Date	BTEX (mg/k g)	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	730	NT
S-2 S SW	.5′	4/15/2020	NT	NT	ND	3400	1600	5000	NT
S-3 W SW	.5′	4/15/2020	NT	NT	46	5900	2400	8300	NT
S-4 N SW	.5'	4/15/2020	NT	NT	ND	300	260	560	NT
S-5 N SW	.5′	4/15/2020	NT	NT	ND	800	540	1340	NT
S-6 E SW	.5′	4/15/2020	NT	NT	ND	280	310	590	NT
S-7 E SW	.5′	4/15/2020	NT	NT	ND	1500	1200	2700	NT

Table 2: Confirmation Soil Sample Analysis

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/k g)	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	1590	NT
S-2 S SW	.5′	5/08/2020	NT	NT	ND	12000	5900	17900	NT
S-3 W SW	.5′	5/08/2020	NT	NT	ND	170	140	310	NT
S-4 N SW	.5′	5/08/2020	NT	NT	ND	18	ND	18	NT
S-5 N SW	.5′	5/08/2020	NT	NT	ND	120	130	250	NT
S-6 E SW	.5′	5/08/2020	NT	NT	ND	510	770	1280	NT

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S-7 E SW	.5'	5/08/2020	NT	NT	ND	140	150	290	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/k g)	Benzene (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	Total TPH (mg/kg)	Cl (mg/kg)
	Closure Criter .15.29.12 NM		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

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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/k g)	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			10 mg/kg				100 mg/kg	600 mg/kg
S2-S3         1'         6/30/2020           SW         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/k g)	Benzene (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	Total TPH (mg/kg)	Cl (mg/kg)
:	Closure Criter 19.15.29.12 NN		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/k g)	Benzene (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	MRO (mg/kg)	Total TPH (mg/kg)	Cl (mg/kg)
	Closure Criter 19.15.29.12 NN		50 mg/k g	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 ISite MapsAppendix IISoil Survey, Groundwater DataAppendix IIIInitial and Final C-141Appendix IVBoring LogsAppendix VPhotographic DocumentationAppendix VILaboratory DataAppendix VIIDisposal Manifests

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# **APPENDIX I**

# SITE MAPS

. Released to Imaging: 1/19/2021 11:17:01 AM

Received by OCD: 10/21/2020 10:38:48 AM Hackberry 26 Federal Battery Cimarex Eddy County, NM API 30-015-43857

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



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SUI

# Legend Page 14 of 124



- Excavation 0.5 ft.
- Excavation 1.0 ft.
- So High Pressure Line
- Sample Position











# <u>APPENDIX II</u>

# **GROUNDWATER DATA**

# **SOIL SURVEY**

# FEMA FLOOD ZONE

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# 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 been rep) O=orpha C=the fil closed)	laced, ned,		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters) (In feet)											
	closedy	POD		(	1								(		
		Sub-		Q	Q	Q								Wa	ater
POD Number	Code	basin	County	64	16	4	Sec	Tws	Rng	Х	Y	DistanceDepth	WellDepthW	Vater Col	umn
<u>CP 00722 POD2</u>		СР	ED	2	1	1	25	19S	30E	600276	3611620* 🌍	727	350	65	285
<u>CP 00357 POD2</u>		СР	ED	4	3	1	24	19S	30E	600265	3612627* 🌍	1603	630		
<u>CP 00828 POD1</u>		СР	LE		1	1	35	19S	30E	598585	3609900* 🌍	1684	90		
<u>CP 00357 POD1</u>		СР	ED	4	4	1	24	19S	30E	600667	3612631* 🌍	1774	630		
<u>CP 00827 POD1</u>		СР	LE		3	3	35	19S	30E	598596	3608694* 🌍	2677	100		
<u>CP 00873 POD1</u>		СР	LE		1	1	19	19S	31E	601772	3613147* 🌍	2865	340	180	160
CP 00822 POD1		СР	LE		4	4	15	19S	30E	598148	3613516* 🌍	2902	90		
											Avera	ge Depth to Water:		122 feet	
												Minimum Depth:		65 feet	
												Maximum Depth:		180 feet	
Record Count: 7															
UTMNAD83 Radius	<u>Search (ir</u>	<u>1 meters)</u>	) <u>:</u>												
Easting (X): 599	762.762		North	ing	(Y)	:	3611	104.14	9		Radius: 3000				
*UTM location was derived	from PLSS	- see Help	I												
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WATER COLUMN/ AVERAGE DEPTH TO WATER

# 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) Released to Imaging: 1/19/2021 11:17:01 AM

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

USDA

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Received by OCD: 10/21/2020 10:38:48 AM

# National Flood Hazard Layer FIRMette

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# APPENDIX III

# **INITIAL C-141**

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District 1 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, 79701	TX

# 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 L	etter	Section	Township	Range	County
A		26	198	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)

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls) 7	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

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

Form C-141 Page 5

State of New Mexico Oil Conservation Division

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.

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Printed Name: (Mristing Alderman Signature: Christing alderman	Title: ESH Supervisor
Signature: Christine alderman	Date: <u>1-15-20</u>
email: Calderman @ Cimarex. Com	Telephone: <u>432-853-7059</u>
OCD Only	
Received by: Victoria Venegas	Date: 01/15/2020
Approved Approved with Attached Conditions of A	pproval 🗌 Denied 🗌 Deferral Approved
Signature:	Date: 03/16/2020

Form C-141 Page 2

<sup>2</sup>age 26 of 124

State of New Mexico Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release?	
🗌 Yes 🛛 No		

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

# **Initial Response**

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

 $\boxtimes$  The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not 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: Christine Alderman	Title:ESH Supervisor
Signature: ( Alderman	Date:05/07/2019
email:calderman@cimarex.com	Telephone: 432-853-7059
OCD Only	
Received by:	Date:

Released to Imaging: 1/19/2021 11:17:01 AM

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State of New Mexico **Oil Conservation Division** 

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:Rpo	ns@ talonlpe.com	Telepho	ne: 575-441-0980

**OCD** Only

Cristina Eads Received by:

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

Received by OCD: 10/21/2020 10:38:48 Printed Name: Cristina Eads

**Environmental Specialist** Title:



# APPENDIX IV

# LABORATORY DATA

Page 28 of 124



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 <a href="https://www.tceq.texas.qov/field/qa/lab">www.tceq.texas.qov/field/qa/lab</a> accredited certif.html.

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

Method EPA 552.2	Haloacetic Acids (HAA-5)
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,

Mite Sugar

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

Page 1 of 29

Released to Imaging: 1/19/2021 11:17:01 AM



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)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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-Bromofluorobenze	ene (PIE 98.4	% 73.3-12	0						
Surroguie. 4-Dromojniorobenze		/0 / 5.5-12	,						

Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	% 37.6-14	17						

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

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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	Analyze	d 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	100	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/08/2019	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 37.6-14	7						

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



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 2 (H902714-03)

BTEX 8021B	mg/	'kg	Analyze	d By: ms	<b>.</b>				
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	100 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/08/2019	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 37.6-14	7						

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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)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	101 %	6 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	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	% 37.6-14	7						

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



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 1 (H902714-05)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	100 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/08/2019	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 37.6-14	17						

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# **Cardinal Laboratories**

\*=Accredited Analyte

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

Released to Imaging: 1/19/2021 11:17:01 AM



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	Analyze	d 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	101	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/08/2019	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 37.6-14	17						

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mr. Such

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



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)

BTEX 8021B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTEX	0.711	0.300	08/08/2019	ND					
Surrogate: 4-Bromofluorobenzene (PIL	112 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/08/2019	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	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	% 37.6-14	17						

\*=Accredited Analyte

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

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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)

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 99.4 % 73.3-129

Chloride, SM4500Cl-B	mg/kg		Analyze	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	% 37.6-14	7						

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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 2 (H902714-09)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	100 :	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	08/08/2019	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 37.6-14	7						

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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)

BTEX 8021B	mg/kg		Analyze	Analyzed By: ms			and the second		
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 98.9 % 73.3-129

Chloride, SM4500Cl-B	mg/kg		Analyze	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	2						
Surrogate: 1-Chlorooctadecane	257	% 37.6-14	17						

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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 1 (H902714-11)

BTEX 8021B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/08/2019	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	2						
Surrogate: 1-Chlorooctadecane	73.5	% 37.6-14	17						

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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)

BTEX 8021B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	99.0	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/08/2019	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 37.6-14	7						

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#### Analytical Results For:

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Received: 08/07,	/2019	Sampling Date:	08/07/2019
Reported: 08/08,	/2019	Sampling Type:	Soil
Project Name: HACKI	BERRY 26 BATTERY	Sampling Condition:	** (See Notes)
Project Number: 70190	1.088.01	Sample Received By:	Tamara Oldaker
Project Location: CIMAR	REX - EDDY CO NM		

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

BTEX 8021B	mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	97.0	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	08/08/2019	ND	400	100	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<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

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#### Analytical Results For:

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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)

BTEX 8021B	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	99.5	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/08/2019	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS	×				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 37.6-14	7						

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Received: 08/07	/2019	Sampling Date:	08/07/2019
Reported: 08/08	/2019	Sampling Type:	Soil
Project Name: HACK	BERRY 26 BATTERY	Sampling Condition:	** (See Notes)
Project Number: 70190	01.088.01	Sample Received By:	Tamara Oldaker
Project Location: CIMA	REX - EDDY CO NM		

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

BTEX 8021B	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	98.3	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/08/2019	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 37.6-14	17						

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#### Analytical Results For:

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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)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	98.5	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/08/2019	ND	400	100	400	3.92	
ТРН 8015М	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10,0	10.0	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	2						
Surrogate: 1-Chlorooctadecane	99.4	% 37.6-14	17						

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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 1 (H902714-17)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	100 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/08/2019	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	2						
Surrogate: 1-Chlorooctadecane	84.9	% 37.6-14	17						

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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)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	102	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/08/2019	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	

ND

 EXT DRO >C28-C36
 <10.0</th>
 10.0
 08/08/2019

 Surrogate: 1-Chlorooctane
 75.0 %
 41-142

 Surrogate: 1-Chlorooctadecane
 79.4 %
 37.6-147

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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 0 (H902714-19)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	98.8 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/08/2019	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	?	·					

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Surrogate: 1-Chlorooctadecane

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82.8 %

37.6-147



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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)

BTEX 8021B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	99.0	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/08/2019	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	2						
Surrogate: 1-Chlorooctadecane	75.9	% 37.6-14	17						

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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)

BTEX 8021B	mg/	'kg	Analyze	d By: ms				4 mja 1 a a a a	
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 (PIL	101	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/08/2019	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 37.6-14	17						

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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	Analyze	d 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 (PIL	99.2	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/08/2019	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	•						x
Surrogate: 1-Chlorooctadecane	60.6	% 37.6-14	7						

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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)

BTEX 8021B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 (PIL	101 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/08/2019	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 37.6-14	7						

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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)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 (PIL	100 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC			H		
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	2						
Surrogate: 1-Chlorooctadecane	81.8	% 37.6-14	17						

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\*=Accredited Analyte



#### **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

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages, Cardinal's lability 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 kithin 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 uses of uses of uses 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 obtenvise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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Page 55 of 124

Project Manager: (Jwris, Tores P.0. #: Address: 408 (J-Texas Company: / 2 (on City: Artesia State: NM Zip: 88210 Attn: Phone #: 62(-6977 Fax#: Address:
408 12 - Tex 93 State: NM Zip: 88210 Attn: 1725ia State: NM Zip: 88210 Attn: 1631 - 6977 Fax #: Address:
17465ia State: NM Zip: 88210 1031-69フフ Fax衆
(031-6977 Faxe)
Project # 701901.088.01 Project Owner: (imace City:
Heckberry 26 Bettery
Phone #:
Sampler Name: CTove S
MATRIX PRESERV, SAMPLING
: ASE: DOL : hlonija TEX
# COI GROU WAST SOIL SLUD OTHE ACID OTHE DATE
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Laboratories

Received by OCD: 10/21/2020 10:38:48 AM

Relinguished By Project Name: Hoy City: Company Name: PLEASE NOTE: Lisbilly and Dam analyses. All claims including thos service. In no event shall Cardinal Sampler Name: Project Location: Project Manager: Relinquished Sy: Phone 些 Sampler - UPS - Bus - Other: Address: Yrojact 浒 Delivered By: (Circle One) FOR LAB USE ONLY 1902714 Lab I.D. Y Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326
 A
 Artesis 80/2 631-2 701 901 . 088.01 Project Owner: à 3 Ř γ 1  $\sum_{i=1}^{n}$ (578) 292-2326 FAX (575) 393-2476 して いう 5-6 いろ 2-4 5-0 n Y 3 oges. Cutdinal's lis L L 5 7 - hris 1010 12 man p p 9101 Sample I.D Jexes Tores 0 V 0 CPE 0 U 0 2 2 "Ostecter 15.40 Kottery TIPE:22 Tex 幸: Date: Time: regenuese remedy for one datin atolog whither before in contracter tail, shall be limited in the summultiput by the datin atolog whither before the pollicable for which and the pollicable is the pollicable of the pollicable in the pollicable of t State: 8-7-19 NN Zip: 88215 5 (G)RAB OR (C)OMP. Received, By: 5 Received By ( I welck # CONTAINERS GROUNDWATER No No No Sample Condition WASTEWATER SOIL MATRIX OIL SLUDGE State: City: Fax 許 で,0、湾 OTHER : Phone 些 Atten: Company: Address: ACID/BASE: PRESER 4 CHECKED BY: (Initials) ICE / COOL OTHER : 5-7-12 :dlZ 0 DATE SAMPLING 03 0.50 Phone Result: Fax Result: REMARKS: 1055 1130 1125 1115 100 TEME 1122 12 1110 ŵ Chlorides BTEX TPH Ext. I Yes I No S USh 1 Add'l Fax 許 ANALYSIS REQUEST 40 2 W

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

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Page 56 of 124

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Page 28 of 29

Page 57 of 124

∱ Cardinał cannoi accept verba! changes. Please fax written changes to (575) 393-2326	Delivered By: (Circle One) 15.46 #97 sample Condition CHECKED BY: Sampler - UPS - Bus - Other: Obult 110 1586 Pres Tes (Initials)	Relinquished By: 5 Date: Received By: 71me:	Retinquished By: 0 / Perf: 7.19 Received By: 0 / /	ter fores. Carners at loging for the second se			2 2 2 2	5-2		(G)RAB OR (C)OM CONTAINERS GROUNDWATER WASTEWATER SOIL SILUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	MATROX PRESERV	e: (Jo.rb、 Fax参	n: Fdd y M		701 - 088.01 Project Owner: Cimeler	State: NN Zip: 88276 Attn:	Address: 408 W. Taxas Company: Ta	達,0,7	Tiglon LPE	101 East Marland, Hobbs, NM 88246 (575) 353-2326 FAX (575) 353-2476		/ Laboratories	
Received by OCD: 10/21/2020 10:38:48 AM	Brow ht Stracht to Sh to	relivances:	Phone Result: D Yes D No Add'I Phone #: Fax Result: D Yes D No - Add'I Fax #:	Transa tiped by the dish for the constraints of the						DATE TIME Chlor BTB TPH	<			•					ANALYSIS REQUEST		CHAIN-OF-CUSTODY AND ANALYSIS REQUEST		

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April 20, 2020

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

RE: Hackberry 26 Fed Btty

OrderNo.: 2004753

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Surr: BFB

Analytical Report	
Lab Order 2004753	

4/16/2020 10:15:37 AM G68175

Hall Environmental Analysis Laboratory, Inc.					Date Reported: 4/20/2020						
CLIENT: Talon Artesia		Clie	nt Sample II	<b>D:</b> S-	1 S SW 0.5'						
Project: Hackberry 26 Fed Btty		Co	ollection Dat	e: 4/	15/2020 11:58:00 AM						
Lab ID: 2004753-001	Matrix: SOIL	R	Received Dat	e: 4/	16/2020 9:15:00 AM						
Analyses	Result	RL (	Qual Units	DF	Date Analyzed	Batch					
EPA METHOD 8015M/D: DIESEL RANG	<b>BE ORGANICS</b>				Analyst:	BRM					
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					
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst:	RAA					
Gasoline Range Organics (GRO)	ND	21	mg/Kg	5	4/16/2020 10:15:37 AM	G681					

97.4

66.6-105

%Rec

5

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

**Qualifiers:** 

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

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

Page 1 of 9

**Analytical Report** 

Hall E	nvironmental Analy	ysis Laboratory, Inc.	Lab Order <b>2004753</b> Date Reported: <b>4/20/2020</b>
	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	Qua	l Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					Analys	t: JME
Diesel Range Organics (DRO)	3400	95		mg/Kg	10	4/16/2020 10:36:04 AM	1 51849
Motor Oil Range Organics (MRO)	1600	480		mg/Kg	10	4/16/2020 10:36:04 AM	1 51849
Surr: DNOP	0	55.1-146	S	%Rec	10	4/16/2020 10:36:04 AM	1 51849
EPA METHOD 8015D: GASOLINE RANGE						Analys	t: RAA
Gasoline Range Organics (GRO)	ND	21		mg/Kg	5	4/16/2020 10:39:11 AM	1 G68175
Surr: BFB	112	66.6-105	S	%Rec	5	4/16/2020 10:39:11 AM	1 G68175

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

**Qualifiers:** 

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

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

Page 2 of 9

	Analytical Report
	Lab Order 2004753
Hall Environmental Analysis Laboratory, Inc.	Date Reported: 4/20/2020
CLIENT: Talon Artesia	Client Sample ID: S-3 W SW 0 5'

CLIENT:	I alon Artesia		C	ient S	ample II	D: S-:	3 W SW 0.5	
Project:	Hackberry 26 Fed Btty			Collec	tion Dat	e: 4/1	5/2020 12:03:00 PM	
Lab ID:	2004753-003	Matrix: SOIL		Recei	ived Dat	e: 4/1	6/2020 9:15:00 AM	
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA MET	HOD 8015M/D: DIESEL RAN	GE ORGANICS					Analys	t: JME
Diesel R	ange Organics (DRO)	5900	96		mg/Kg	10	4/16/2020 11:00:01 AM	1 51849
Motor Oi	l Range Organics (MRO)	2400	480		mg/Kg	10	4/16/2020 11:00:01 AN	1 51849
Surr: I	DNOP	0	55.1-146	S	%Rec	10	4/16/2020 11:00:01 AM	1 51849
EPA MET	THOD 8015D: GASOLINE RAI	NGE					Analys	t: RAA
Gasoline	e Range Organics (GRO)	46	20		mg/Kg	5	4/16/2020 11:02:52 AM	I G68175
Surr: I	BFB	185	66.6-105	S	%Rec	5	4/16/2020 11:02:52 AM	I G68175

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

**Qualifiers:** 

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

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

Page 3 of 9

	Analytical Report
	Lab Order 2004753
Hall Environmental Analysis Laboratory, Inc.	Date Reported: 4/20/2020
CLIENT: Talon Artesia	Client Sample ID: S-4 N SW 0.5'

Project:	Hackberry 26 Fed Btty		(	Collection Dat	<b>e:</b> 4/2	15/2020 12:06:00 PM	
Lab ID:	2004753-004	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 4/	16/2020 9:15:00 AM	
Analyses	3	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA ME	THOD 8015M/D: DIESEL RAN	IGE ORGANICS				Analyst	: JME
Diesel R	Range Organics (DRO)	300	9.9	mg/Kg	1	4/16/2020 11:24:04 AM	51849
Motor O	il 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
EPA ME	THOD 8015D: GASOLINE RA	NGE				Analyst	RAA
Gasoline	e 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.

**Qualifiers:** 

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

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

Page 4 of 9

Analytical	Report
Lab Order 2	2004753

Hall Environmental Analys		Date Reported: 4/20/2020						
CLIENT: Talon Artesia		Clie	nt Sample II	<b>D:</b> 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 Q	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst	BRM		
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		
EPA METHOD 8015D: GASOLINE RAM	IGE				Analyst	RAA		
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.

**Qualifiers:** 

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

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

Page 5 of 9

Analytical Report	
Lab Order 2004753	

Hall Environmental Analysis	Date Reported: 4/20/2020						
CLIENT: Talon Artesia		Clie	ent Sample II	<b>):</b> S-	6 E SW 0.5'		
Project: Hackberry 26 Fed Btty		С	ollection Date	<b>e:</b> 4/1	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	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	BRM	
Diesel Range Organics (DRO)	280	10	mg/Kg	1	4/16/2020 12:16:37 PM	51849	
Motor Oil Range Organics (MRO)	040				4/40/0000 40 40 07 DM		
wotor On Range Organics (wirto)	310	50	mg/Kg	1	4/16/2020 12:16:37 PM	51849	
Surr: DNOP	310 99.3	50 55.1-146	mg/Kg %Rec	1 1	4/16/2020 12:16:37 PM 4/16/2020 12:16:37 PM		
	99.3		0 0	-		51849	
Surr: DNOP	99.3		0 0	-	4/16/2020 12:16:37 PM	51849 RAA	

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

**Qualifiers:** 

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

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

Page 6 of 9

Diesel Range Organics (DRO)

Surr: DNOP

Surr: BFB

Motor Oil Range Organics (MRO)

Gasoline Range Organics (GRO)

**EPA METHOD 8015D: GASOLINE RANGE** 

**EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** 

Analyses

Batch

Analyst: BRM

Analyst: RAA

4/16/2020 10:38:48 AM 51849

4/16/2020 10:38:48 AM 51849

4/16/2020 10:38:48 AM 51849

4/16/2020 12:37:22 PM G68175

4/16/2020 12:37:22 PM G68175

**Analytical Report** 

**DF** Date Analyzed

Hall E	nvironmental Analys	Lab Order <b>2004753</b> Date Reported: <b>4/20/2020</b>	
CLIENT	: Talon Artesia		<b>Client Sample ID:</b> S-7 E SW 0.5'
<b>Project:</b>	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

**RL** Oual Units

S

mg/Kg

mg/Kg

%Rec

mg/Kg

%Rec

10

10

10

5

5

100

500

20

55.1-146

66.6-105

Result

1500

1200

0

ND

97.9

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

**Qualifiers:** 

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

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

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# OC SUMMADY DEDODT

Page	<u>66</u>	of	124
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QC SUMMAR Hall Environmen				ory, Inc.					WO#:	2004753 20-Apr-20
Client: Talon A Project: Hackbe	Artesia erry 26 Fed H	Btty								
Sample ID: MB-51849     SampType: MBLK     TestCode: EPA Method 8015M/D: Diesel Range Organics										
Client ID: PBS	Batch ID: 51849 RunNo: 6					8131				
Prep Date: 4/16/2020	Analysis D	Date: 4/	16/2020	S	SeqNo: 2	356515	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.7		10.00		86.8	55.1	146			
Sample ID: LCS-51849	SampT	Гуре: LC	s	Tes	tCode: El	PA Method	8015M/D: Die	sel Rang	e Organics	
Client ID: LCSS	Batcl	h ID: 51	849	F	RunNo: 6	8131				
Prep Date: 4/16/2020	Analysis E	Date: 4/	16/2020	5	SeqNo: <b>2</b> :	356517	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.5	70	130			
Surr: DNOP	4.3		5.000		85.7	55.1	146			

Sample ID: 2004753-001AMS	SampTy	/pe: <b>MS</b>	6	Tes	tCode: El	PA Method	8015M/D: Die	sel Rang	e Organics	
Client ID: S-1 S SW 0.5'	Batch	ID: 51	849	F	RunNo: 6	8138				
Prep Date: 4/16/2020	Analysis Da	ate: 4/	16/2020	S	SeqNo: 2	356926	Units: mg/K	g		
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: 2004753-001AMSI	SampTy	/pe: <b>MS</b>	SD	Tes	tCode: El	PA Method	8015M/D: Die	sel Rang	e Organics	
Client ID: S-1 S SW 0.5'	Batch	ID: 51	849	F	RunNo: 6	8138				

110/2020	Analysis L	uto. –	10/2020	C C		550527	orinto. mg/n	.a		
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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S

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

# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc

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AKIKEPUKI	WO#:	2004753
mental Analysis Laboratory, Inc.		20-Apr-20

Client: Project:	Talon Art Hackberr	tesia y 26 Fed B	tty								
Sample ID:	2.5ug gro lcs	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID:	LCSS	Batch	ID: <b>G6</b>	8175	F	RunNo: 6	8175				
Prep Date:		Analysis D	ate: <b>4/</b>	16/2020	S	SeqNo: 2	357825	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	e Organics (GRO)	23	5.0	25.00	0	93.0	80	120			
Surr: BFB		1100		1000		113	66.6	105			S
Sample ID:	2004753-001ams	SampT	ype: <b>MS</b>	3	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID:	S-1 S SW 0.5'	Batch	ID: <b>G6</b>	8175	F	RunNo: 6	8175		_		
Prep Date:		Analysis D	ate: 4/	16/2020	S	SeqNo: 2	357861	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	e Organics (GRO)	100	21	104.8	0	98.5	80	120			
Surr: BFB		4600		4191		111	66.6	105			S
Sample ID:	2004753-001amsd	SampT	ype: <b>MS</b>	SD	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID:	S-1 S SW 0.5'	Batch	ID: <b>G6</b>	8175	F	RunNo: 68	8175				
Prep Date:		Analysis D	ate: 4/	16/2020	S	SeqNo: 2	357862	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e 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:	mb1	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID:	PBS	Batch	ID: <b>G6</b>	8175	F	RunNo: 68	8175				
Prep Date:		Analysis D	ate: <b>4/</b>	16/2020	S	SeqNo: 23	357870	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
-	e 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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

RL Reporting Limit

Page 9 of 9

Page	68 0	f 124

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HALL		TEL: 505-34.	mental Analysis Labo 4901 Hawki Albuquerque, NM 5-3975 FAX: 505-345 ww.hallenvironmenta	ns NE 87109 <b>Sar</b> -4107	Panple Log-In Check Lis
Client Name:	ALON ARTESIA	Work Order Nu	Imber: 2004753		RcptNo: 1
Received By:	Juan Rojas	4/16/2020 9:15:0	0 AM	Juansa g	
Completed By:	Leah Baca	4/16/2020 9:19:5	1 AM	Int Bac	4
Reviewed By:	10	4/16/20		Fair ga	-
Chain of Custo	<u>ody</u>				
1. Is Chain of Cus	tody sufficiently complete	?	Yes 🗹	No 🗌	Not Present
2. How was the sa	mple delivered?		Courier		
Log In			_	_	
<ol> <li>Was an attempt</li> </ol>	made to cool the sample	s?	Yes 🗹	No 🗌	NA 🗌
4. Were all sample	s received at a temperatu	re of >0° C to 6.0°C	Yes 🔽	No 🗌	
5. Sample(s) in pro	oper container(s)?		Yes 🔽	No 🗌	
6. Sufficient sample	e volume for indicated tes	t(s)?	Yes 🗹	No 🗌	
7. Are samples (ex	cept VOA and ONG) prop	erly preserved?	Yes 🗹	No 🗌	
8. Was preservative	e added to bottles?		Yes	No 🗹	NA 🗌
	t 1 vial with headspace <		Yes	No 🗌	NA 🗸
10. Were any sampl	e containers received bro	ken?	Yes	No 🗹	# of preserved
11. Does paperwork (Note discrepand	match bottle labels? ies on chain of custody)		Yes 🔽	No 🗌	bottles checked for pH: (<2 or >12 unless note
	rectly identified on Chain	of Custody?	Yes 🖌	No 🗌	Adjusted?
	nalyses were requested?		Yes 🗸	No 🗌	
14. Were all holding (If no, notify cust	times able to be met? omer for authorization.)		Yes 🔽	No 🗌	Checked by: DAD 4/16/2
Special Handling					<i>,</i>
15. Was client notified	ed of all discrepancies wit	h this order?	Yes	No 🗌	NA 🗹
Person No	tified:	Dat	e:	na anno factar de anta de ana de cano f	
By Whom:	,	Via	: 🗌 eMail 🗌 F	Phone 🗌 Fax	In Person
Regarding	7				
Client Instr					NAME OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY.
16. Additional rema	rks:				
17. Cooler Informa					
		Seal Intact Seal No	Seal Date	Signed By	
	.1 Good .0 Good				
<b>ا</b> ک	.0 Good				

Page 1 of 1

HAFF FRATOONMERITAL	F	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	505-345-3975 Fax 505-345-4107	Analysis Request	<sup>\$</sup> 09	} '⁺Od	<sup>'²</sup> (	or 82 3, NC (AC	810; 910; () ()	,8 % M ( M ( M) M M	EDB (M PAHs by RCRA 8 S260 (V 8250 (S 70(S 70tal Co								· ·			emarks: Please cc the following via email: Dadkins@talonlpe.com	Kpons@talonlpe.com bsinclair @talonlpe.com	wher accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
			901 Ha	Tel. 505				25	308\s	əpic	oitse	əq 1808											0	h c l a i	. Any sub
			4	Т								N X 3 TEX /	>		_	_	_		_	_	 +-	-	Remarks: Dadking	bs:	ossibility.
Turn-Around Time:	D Standard Rush Sameday	Project Name:	Hackberry 26 Fed Btty	t: /	701901.088.01	ger:	Charle Toma C	, /	Sampler: りたねらの、)、いいしょい On Ice: 及Yes ロNo			Container Preservative Container Preservative 2004/353		-002	-003	-001	- 005	-006	00-		 		Received by: Via: Via: Date Time R	Received by: Via: Date Time A COURTER UNED 7:15	
Chain-of-Custody Record		408 W Texas St	Mailing Address: Artesia, NM 88210		Phone #:	email or Fax#: (575) 746-8905	QA/QC Package:		Az Compliance     Other			Date Time Matrix Sample Name	4-15-2011:58 SOUL S-1 S SW 0.5'	[2:0] S-2 S SW 0.5'	12:03 S-3 W SW 0, 5	12:06 S-4 N SW 0.5'	12:08 S-S N SW 0.5	12:10 S-6 E SW 0.5'	1 12:12 S-7 E SW 0.5'				Date; Time: Relinquished by:	all Sel	If necessary, samples submitted to Hall Environmental may be subconfracted to



May 13, 2020

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

RE: Hackberry 26 Battery

OrderNo.: 2005438

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

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 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,

ander

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report	
Lab Order 2005438	

Analyst: BRM

10 5/12/2020 11:09:40 AM 52406

10 5/12/2020 11:09:40 AM 52406

5/12/2020 11:09:40 AM 52406

Hall Environmental Analys		Date Reported: 5/13/2020									
CLIENT: Talon Artesia	Client Sample ID: S-1 S SW 0.5'										
Project:Hackberry 26 BatteryCollection Date: 5/8/2020 2:08:											
Lab ID:         2005438-001         Matrix:         MEOH (SOIL)         Received Date: 5/12/2020 9:20:00											
Analyses	Result	RL Qu	ıal Units	DF	Date Analyzed	Batch					
EPA METHOD 8015D MOD: GASOLINI	ERANGE				Analys	t: 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					

1000

590

0

100

500

S

55.1-146

mg/Kg

mg/Kg

%Rec

10

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

Qualifiers:

\* Value exceeds Maximum Contaminant Level.D Sample Diluted Due to Matrix

**EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** 

Diesel Range Organics (DRO)

Surr: DNOP

Motor Oil Range Organics (MRO)

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Page 1 of 9

Analytical Report
Lab Order 2005438

Hall Environmental Analy	sis Laboratory, Inc.	Date Reported: 5/13/2020						
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) Receive	<b>d Date:</b> 5/12/2020 9:20:00 AM						
Analyses	Result RL Qual U	Units DF Date Analyzed Batch						

1 mary 505	Result	<b>NL</b>	Yuu	emus	DI	Dute Hindy Zeu	Duten
EPA METHOD 8015D MOD: GASOLINE	RANGE					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
EPA METHOD 8015M/D: DIESEL RANGI	EORGANICS					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.

Qualifiers:

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

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

Page 2 of 9
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Analytical Report
Lab Order 2005438

Hall Environmental Analy	sis Laboratory, Inc.	Date Reported: 5/13/2020
CLIENT: Talon Artesia	Client San	<b>ple ID:</b> S-3 W SW 0.5'
Project: Hackberry 26 Battery	Collectio	n Date: 5/8/2020 2:14:00 PM
Lab ID: 2005438-003	Matrix: MEOH (SOIL) Receive	d Date: 5/12/2020 9:20:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RAM	IGE				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
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				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.

**Qualifiers:** 

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

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

Page 3 of 9

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<b>Analytical Report</b>
Lab Order 2005438

Analyst: BRM

5/12/2020 11:35:49 AM 52406

5/12/2020 11:35:49 AM 52406

5/12/2020 11:35:49 AM 52406

Hall Environmental Analy	vsis Laboratory,	Inc.			Date Reported: 5/13/2	020
CLIENT: Talon Artesia		Clien	t Sample II	<b>D:</b> S-	4 N SW 0.5'	
Project: Hackberry 26 Battery		Col	lection Dat	e: 5/8	3/2020 2:18:00 PM	
Lab ID: 2005438-004	Matrix: MEOH	(SOIL) Re	ceived Dat	<b>e:</b> 5/2	2/2020 9:20:00 AM	
Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLI	NE RANGE				Analys	st: 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

18

ND

94.0

9.7

49

55.1-146

mg/Kg

mg/Kg

%Rec

1

1

1

### 11 77 - --.

**EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** 

Diesel Range Organics (DRO)

Surr: DNOP

Motor Oil Range Organics (MRO)

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

**Qualifiers:** 

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

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

Page 4 of 9

Surr: DNOP

**Analytical Report** Lab Order 2005438

5/12/2020 11:59:56 AM 52406

Hall Environmental Analysis Laboratory, Inc.	Date Reported: 5/13/2020
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)	<b>Received Dat</b>	e: 5/	12/2020 9:20:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLIN	NE RANGE				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
EPA METHOD 8015M/D: DIESEL RAM	NGE ORGANICS				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

94.2

55.1-146

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

**Qualifiers:** 

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

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

%Rec

1

RL Reporting Limit Page 5 of 9

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Analytical Report
Lab Order 2005438

Hall Environmental Analys	sis Laboratory, Inc.	Date Reported: 5/13/2020
CLIENT: Talon Artesia	Client Sam	ple ID: S-6 E SW 0.5'
Project: Hackberry 26 Battery	Collection	<b>Date: 5</b> /8/2020 2:24:00 PM
Lab ID: 2005438-006	Matrix: MEOH (SOIL) Received	<b>Date: 5</b> /12/2020 9:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RA	NGE					Analys	t: 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
EPA METHOD 8015M/D: DIESEL RANGE C	ORGANICS					Analys	t: BRM
Diesel Range Organics (DRO)	510	87		mg/Kg	10	5/12/2020 11:58:36 AM	1 52406
Motor Oil Range Organics (MRO)	770	440		mg/Kg	10	5/12/2020 11:58:36 AM	1 52406
Surr: DNOP	0	55.1-146	S	%Rec	10	5/12/2020 11:58:36 AM	1 52406

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

**Qualifiers:** 

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

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

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Gasoline Range Organics (GRO)

Diesel Range Organics (DRO)

Motor Oil Range Organics (MRO)

**EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** 

Surr: BFB

Surr: DNOP

Analytical Report	
Lab Order 2005438	

Client Sample ID: S-7 E SW 0.5' Collection Date: 5/8/2020 2:28:00 PM
Collection Date: 5/8/2020 2:28:00 PM
OH (SOIL) Received Date: 5/12/2020 9:20:00 AM
RL Qual Units DF Date Analyzed Batch
-H

ND

93.5

140

150

94.1

4.1

9.8

49

55.1-146

70-130

mg/Kg

%Rec

mg/Kg

mg/Kg

%Rec

1

1

1

1

1

5/12/2020 9:26:52 PM

5/12/2020 9:26:52 PM

5/12/2020 12:24:11 PM 52406

5/12/2020 12:24:11 PM 52406

5/12/2020 12:24:11 PM 52406

G68840

G68840

Analyst: BRM

Page 7 of 9

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

**Qualifiers:** 

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

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



May 28, 2020

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

RE: Hackberry 1H Spill

OrderNo.: 2005968

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

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 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,

ander

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Envi	ironmental Analysis	Laboratory,	Inc.			Ι	Analytical Report ab Order: 2005968 Date Reported: 5/28		)
CLIENT: Project:	Talon Artesia Hackberry 1H Spill				L	ab C	<b>Order:</b> 2005	968	
Lab ID:	2005968-001		С	ollecti	on Date	: 5/2	20/2020		
Client Sample	e ID: TT-1 1'				Matrix	: SC	DIL		
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Ba	atch ID
EPA METHO	D 8015D MOD: GASOLINE R	ANGE					An	alyst:	DJF
Gasoline Rai	nge 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
EPA METHO	D 8015M/D: DIESEL RANGE	ORGANICS					An	alyst:	CLP
Diesel Range	e Organics (DRO)	30	9.9		mg/Kg	1	5/27/2020 10:20:3	8 PM	52675
-	nge Organics (MRO)	ND	49		mg/Kg	1	5/27/2020 10:20:3	8 PM	52675
Surr: DNO	)P	143	55.1-146		%Rec	1	5/27/2020 10:20:3	8 PM	52675
Lab ID:	2005968-002		C	ollecti	on Date	: 5/2	20/2020		
Client Somal	e ID: TT-1 2'				Matrix		NTT		
Cheft Sample	<b>e ID.</b> 11-12				watrix	: 30	nl.		
Client Sample Analyses	<b>cm.</b> 11-12	Result	RL	Qual			Date Analyzed	Ba	atch ID
Analyses	DD 8015D MOD: GASOLINE R/		RL	Qual			Date Analyzed		
Analyses EPA METHO	D 8015D MOD: GASOLINE R		<b>RL</b> 4.9	Qual			Date Analyzed	alyst:	DJF 52662
Analyses EPA METHO	DD 8015D MOD: GASOLINE R/	ANGE		Qual	Units	DF	Date Analyzed	alyst: AM	DJF
Analyses EPA METHO Gasoline Rai Surr: BFB	DD 8015D MOD: GASOLINE R/	ANGE ND 107	4.9	Qual	Units mg/Kg	<b>DF</b>	Date Analyzed An 5/25/2020 7:56:42 5/25/2020 7:56:42	alyst: AM AM	<b>DJF</b> 52662 52662
Analyses EPA METHO Gasoline Rat Surr: BFB EPA METHO	DD 8015D MOD: GASOLINE R/ nge Organics (GRO) DD 8015M/D: DIESEL RANGE (	ANGE ND 107 ORGANICS	4.9 70-130	Qual	Units mg/Kg %Rec	<b>DF</b> 1	Date Analyzed An 5/25/2020 7:56:42 5/25/2020 7:56:42 An	alyst: AM AM alyst:	<b>DJF</b> 52662 52662 <b>CLP</b>
Analyses EPA METHO Gasoline Ran Surr: BFB EPA METHO Diesel Range	DD 8015D MOD: GASOLINE R/ nge Organics (GRO) DD 8015M/D: DIESEL RANGE ( e Organics (DRO)	ANGE ND 107	4.9	Qual	Units mg/Kg %Rec mg/Kg	<b>DF</b>	Date Analyzed An 5/25/2020 7:56:42 5/25/2020 7:56:42	alyst: 2 AM 2 AM alyst: 0 PM	<b>DJF</b> 52662 52662 <b>CLP</b> 52675
Analyses EPA METHO Gasoline Ran Surr: BFB EPA METHO Diesel Range	DD 8015D MOD: GASOLINE RA nge Organics (GRO) DD 8015M/D: DIESEL RANGE ( e Organics (DRO) nge Organics (MRO)	ANGE ND 107 ORGANICS ND	4.9 70-130 9.7	Qual S	Units mg/Kg %Rec	<b>DF</b> 1 1	Date Analyzed An 5/25/2020 7:56:42 5/25/2020 7:56:42 An 5/27/2020 10:45:1	alyst: 2 AM 2 AM alyst: 0 PM 0 PM	<b>DJF</b> 52662 52662 <b>CLP</b> 52675 52675
Analyses EPA METHO Gasoline Rai Surr: BFB EPA METHO Diesel Range Motor Oil Ra	DD 8015D MOD: GASOLINE RA nge Organics (GRO) DD 8015M/D: DIESEL RANGE ( e Organics (DRO) nge Organics (MRO)	ANGE ND 107 ORGANICS ND ND	4.9 70-130 9.7 48 55.1-146	S	Units mg/Kg %Rec mg/Kg mg/Kg	<b>DF</b> 1 1 1 1 1 1 1	Date Analyzed An 5/25/2020 7:56:42 5/25/2020 7:56:42 An 5/27/2020 10:45:1 5/27/2020 10:45:1	alyst: 2 AM 2 AM alyst: 0 PM 0 PM	DJF 52662 52662 CLP 52675 52675
Analyses EPA METHO Gasoline Ran Surr: BFB EPA METHO Diesel Range Motor Oil Ra Surr: DNC	D 8015D MOD: GASOLINE RA nge Organics (GRO) D 8015M/D: DIESEL RANGE ( e Organics (DRO) nge Organics (MRO) DP	ANGE ND 107 ORGANICS ND ND	4.9 70-130 9.7 48 55.1-146	S	Units mg/Kg %Rec mg/Kg mg/Kg %Rec	DF 1 1 1 1 1 : 5/2	Date Analyzed An 5/25/2020 7:56:42 5/25/2020 7:56:42 An 5/27/2020 10:45:1 5/27/2020 10:45:1 5/27/2020 10:45:1	alyst: 2 AM 2 AM alyst: 0 PM 0 PM	DJF 52662 52662 CLP 52675 52675
Analyses EPA METHO Gasoline Ran Surr: BFB EPA METHO Diesel Range Motor Oil Ra Surr: DNC	DD 8015D MOD: GASOLINE R/ nge Organics (GRO) DD 8015M/D: DIESEL RANGE ( e Organics (DRO) nge Organics (MRO) DP 2005968-003	ANGE ND 107 ORGANICS ND ND	4.9 70-130 9.7 48 55.1-146 <b>C</b>	S	Units mg/Kg %Rec mg/Kg mg/Kg %Rec on Date Matrix	DF 1 1 1 1 1 1 1 2 : 5/2 : SC	Date Analyzed An 5/25/2020 7:56:42 5/25/2020 7:56:42 An 5/27/2020 10:45:1 5/27/2020 10:45:1 5/27/2020 10:45:1	alyst: 2 AM 2 AM alyst: 0 PM 0 PM 0 PM	52662 52662 <b>CLP</b> 52675 52675
Analyses EPA METHO Gasoline Rat Surr: BFB EPA METHO Diesel Range Motor Oil Ra Surr: DNO Lab ID: Client Sample Analyses	DD 8015D MOD: GASOLINE R/ nge Organics (GRO) DD 8015M/D: DIESEL RANGE ( e Organics (DRO) nge Organics (MRO) DP 2005968-003	ANGE ND 107 ORGANICS ND 155 Result	4.9 70-130 9.7 48 55.1-146 C	S	Units mg/Kg %Rec mg/Kg mg/Kg %Rec on Date Matrix	DF 1 1 1 1 1 1 1 2 : 5/2 : SC	Date Analyzed An 5/25/2020 7:56:42 5/25/2020 7:56:42 An 5/27/2020 10:45:1 5/27/2020 10:45:1 5/27/2020 10:45:1 20/2020 DIL Date Analyzed	alyst: AM AM alyst: 0 PM 0 PM 0 PM	DJF 52662 52662 52675 52675 52675 52675
Analyses EPA METHO Gasoline Rat Surr: BFB EPA METHO Diesel Range Motor Oil Ra Surr: DNO Lab ID: Client Sample Analyses EPA METHO	DD 8015D MOD: GASOLINE R/ nge Organics (GRO) D 8015M/D: DIESEL RANGE ( e Organics (DRO) nge Organics (MRO) DP 2005968-003 e ID: TT-1 3' D 8015D MOD: GASOLINE R/	ANGE ND 107 ORGANICS ND ND 155 Result	4.9 70-130 9.7 48 55.1-146 C RL	S	Units mg/Kg %Rec mg/Kg mg/Kg %Rec on Date Matrix Units	DF 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Date Analyzed An 5/25/2020 7:56:42 5/25/2020 7:56:42 An 5/27/2020 10:45:1 5/27/2020 10:45:1 20/2020 DIL Date Analyzed An	alyst: AM AM alyst: 0 PM 0 PM 0 PM <b>B</b> a alyst:	DJF 52662 52662 CLP 52675 52675 52675
Analyses EPA METHO Gasoline Rat Surr: BFB EPA METHO Diesel Range Motor Oil Ra Surr: DNO Lab ID: Client Sample Analyses EPA METHO	DD 8015D MOD: GASOLINE R/ nge Organics (GRO) DD 8015M/D: DIESEL RANGE ( e Organics (DRO) nge Organics (MRO) DP 2005968-003 e ID: TT-1 3' DD 8015D MOD: GASOLINE R/ nge Organics (GRO)	ANGE ND 107 ORGANICS ND 155 Result	4.9 70-130 9.7 48 55.1-146 C	S	Units mg/Kg %Rec mg/Kg mg/Kg %Rec on Date Matrix	DF 1 1 1 1 1 1 1 2 : 5/2 : SC	Date Analyzed An 5/25/2020 7:56:42 5/25/2020 7:56:42 An 5/27/2020 10:45:1 5/27/2020 10:45:1 5/27/2020 10:45:1 20/2020 DIL Date Analyzed	alyst: AM alyst: 0 PM 0 PM 0 PM 0 PM Ba alyst: 5 PM	DJF 52662 52662 CLP 52675 52675 52675
Analyses EPA METHO Gasoline Rat Surr: BFB EPA METHO Diesel Range Motor Oil Ra Surr: DNO Lab ID: Client Sample Analyses EPA METHO Gasoline Rat Surr: BFB	DD 8015D MOD: GASOLINE R/ nge Organics (GRO) DD 8015M/D: DIESEL RANGE ( e Organics (DRO) nge Organics (MRO) DP 2005968-003 e ID: TT-1 3' DD 8015D MOD: GASOLINE R/ nge Organics (GRO)	ANGE ND 107 ORGANICS ND 155 Result ANGE ND 105	4.9 70-130 9.7 48 55.1-146 <b>C</b> <b>RL</b> 4.9	S	Units mg/Kg %Rec mg/Kg mg/Kg %Rec on Date Matrix Units mg/Kg	DF 1 1 1 1 1 1 1 1 1 2 5/2 DF 1 1 1 1 1 1 1 1 1 1 1 1 1	Date Analyzed An 5/25/2020 7:56:42 5/25/2020 7:56:42 An 5/27/2020 10:45:1 5/27/2020 10:45:1 5/27/2020 10:45:1 20/2020 DIL Date Analyzed An 5/25/2020 2:24:36 5/25/2020 2:24:36	alyst: AM alyst: 0 PM 0 PM 0 PM <b>B</b> a alyst: 5 PM 5 PM	DJF 52662 52662 52675 52675 52675 52675 52675
Analyses EPA METHO Gasoline Ran Surr: BFB EPA METHO Diesel Range Motor Oil Ra Surr: DNC Lab ID: Client Sample Analyses EPA METHO Gasoline Ran Surr: BFB	DD 8015D MOD: GASOLINE R/ nge Organics (GRO) D 8015M/D: DIESEL RANGE ( e Organics (DRO) nge Organics (DRO) nge Organics (MRO) DP 2005968-003 e ID: TT-1 3' D 8015D MOD: GASOLINE R/ nge Organics (GRO) D 8015M/D: DIESEL RANGE (	ANGE ND 107 ORGANICS ND 155 Result ANGE ND 105 ORGANICS	4.9 70-130 9.7 48 55.1-146 <b>C</b> <b>RL</b> 4.9 70-130	S	Units mg/Kg %Rec mg/Kg mg/Kg %Rec On Date Matrix Units mg/Kg %Rec	DF 1 1 1 1 1 1 1 1 1 2 SC DF 1 1 1	Date Analyzed An 5/25/2020 7:56:42 5/25/2020 7:56:42 An 5/27/2020 10:45:1 5/27/2020 10:45:1 5/27/2020 10:45:1 20/2020 DIL Date Analyzed An 5/25/2020 2:24:36 5/25/2020 2:24:36 5/25/2020 2:24:36	alyst: AM Alyst: 0 PM 0 PM 0 PM 0 PM Ba alyst: PM alyst:	DJF 52662 52662 CLP 52675 52675 52675 52675 52675
Analyses EPA METHO Gasoline Ran Surr: BFB EPA METHO Diesel Range Motor Oil Ra Surr: DNO Lab ID: Client Sample Analyses EPA METHO Gasoline Ran Surr: BFB EPA METHO Diesel Range	DD 8015D MOD: GASOLINE R/ nge Organics (GRO) DD 8015M/D: DIESEL RANGE ( e Organics (DRO) nge Organics (MRO) DP 2005968-003 e ID: TT-1 3' DD 8015D MOD: GASOLINE R/ nge Organics (GRO)	ANGE ND 107 ORGANICS ND 155 Result ANGE ND 105	4.9 70-130 9.7 48 55.1-146 <b>C</b> <b>RL</b> 4.9	S	Units mg/Kg %Rec mg/Kg mg/Kg %Rec on Date Matrix Units mg/Kg	DF 1 1 1 1 1 1 1 1 1 2 5/2 DF 1 1 1 1 1 1 1 1 1 1 1 1 1	Date Analyzed An 5/25/2020 7:56:42 5/25/2020 7:56:42 An 5/27/2020 10:45:1 5/27/2020 10:45:1 5/27/2020 10:45:1 20/2020 DIL Date Analyzed An 5/25/2020 2:24:36 5/25/2020 2:24:36	alyst: AM alyst: 0 PM 0 PM 0 PM 0 PM Ba alyst: 9 PM alyst: 9 PM	DJF 52662 52662 CLP 52675 52675 52675 52675 52675

Qualifiers:

Analyte detected in the associated Method Blank в

\* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

Е Value above quantitation range

Analyte detected below quantitation limits J Sample pH Not In Range

Р RL Reporting Limit

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Hall Envir	onmental Analysis l	Laboratory,	Inc.			Ι	Analytical I Lab Order: 20 Date Reported	005968	/2020	)
CLIENT:	Talon Artesia				I	ab C	Order:	20059	68	
Project:	Hackberry 1H Spill									
Lab ID:	2005968-004		С	ollecti	on Date	: 5/2	20/2020			
Client Sample	<b>ID:</b> TT-1 4'				Matrix	: SC	DIL			
Analyses		Result	RL	Qual	Units	DF	Date Anal	lyzed	Ba	tch ID
EPA METHOD	8015D MOD: GASOLINE RA	NGE						Ana	alyst:	JMR
Gasoline Rang	ge 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 I	PM	52662
EPA METHOD	8015M/D: DIESEL RANGE	ORGANICS						Ana	alyst:	CLP
Diesel Range (	Organics (DRO)	53	9.2		mg/Kg	1	5/27/2020		-	
-	ge 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
	2005968-005		С	ollecti	on Date	: 5/2	20/2020			
Lab ID:	2005700 005									
					Matrix	: SC	DIL			
Lab ID: Client Sample Analyses		Result	RL	Qual			DIL Date Anal	yzed	Ba	tch ID
Client Sample Analyses			RL	Qual				-		tch ID JMR
Client Sample Analyses EPA METHOD	ID: TT-2 1'		<b>RL</b> 5.0	Qual	Units			Ana	alyst:	JMR
Client Sample Analyses EPA METHOD	<b>ID:</b> TT-2 1'	NGE		Qual		DF	Date Anal	Ana 3:24:17 I	alyst: PM	
Client Sample Analyses EPA METHOD Gasoline Rang Surr: BFB	ID: TT-2 1'	ND 107	5.0	Qual	Units mg/Kg	<b>DF</b>	<b>Date Anal</b> 5/25/2020	Ana 3:24:17 I 3:24:17 I	alyst: PM PM	<b>JMR</b> 52662 52662
Client Sample Analyses EPA METHOD Gasoline Rang Surr: BFB EPA METHOD	ID: TT-2 1' 9 8015D MOD: GASOLINE RA ge Organics (GRO) 9 8015M/D: DIESEL RANGE (	ND 107	5.0 70-130	Qual	Units mg/Kg %Rec	<b>DF</b> 1	<b>Date Anal</b> 5/25/2020 5/25/2020	Ana 3:24:17 F 3:24:17 F Ana	alyst: PM PM alyst:	JMR 52662 52662 CLP
Client Sample Analyses EPA METHOD Gasoline Rang Surr: BFB EPA METHOD Diesel Range (	ID: TT-2 1' 9 8015D MOD: GASOLINE RA ge Organics (GRO) 9 8015M/D: DIESEL RANGE ( Organics (DRO)	ND 107	5.0	Qual	Units mg/Kg %Rec mg/Kg	<b>DF</b>	<b>Date Anal</b> 5/25/2020	Ana 3:24:17 F 3:24:17 F Ana 11:59:38	Ilyst: PM PM Ilyst: 8 PM	JMR 52662 52662 CLP 52675
Client Sample Analyses EPA METHOD Gasoline Rang Surr: BFB EPA METHOD Diesel Range (	ID: TT-2 1' 9 8015D MOD: GASOLINE RA ge Organics (GRO) 9 8015M/D: DIESEL RANGE ( Organics (DRO) ge Organics (MRO)	ND 107 DRGANICS ND	5.0 70-130 9.4	Qual S	Units mg/Kg %Rec	<b>DF</b> 1 1	Date Anal 5/25/2020 5/25/2020 5/27/2020	Ana 3:24:17 F 3:24:17 F Ana 11:59:38 11:59:38	Ilyst: PM PM Ilyst: PM PM	JMR 52662 52662 CLP 52675 52675
Client Sample Analyses EPA METHOD Gasoline Rang Surr: BFB EPA METHOD Diesel Range ( Motor Oil Rang	ID: TT-2 1' 9 8015D MOD: GASOLINE RA ge Organics (GRO) 9 8015M/D: DIESEL RANGE ( Organics (DRO) ge Organics (MRO)	ND 107 DRGANICS ND ND	5.0 70-130 9.4 47 55.1-146	S	Units mg/Kg %Rec mg/Kg mg/Kg	DF 1 1 1 1 1	Date Anal 5/25/2020 5/25/2020 5/27/2020 5/27/2020 5/27/2020	Ana 3:24:17 F 3:24:17 F Ana 11:59:38 11:59:38	Ilyst: PM PM Ilyst: PM PM	52662 52662 <b>CLP</b> 52675 52675
Client Sample Analyses EPA METHOD Gasoline Range Surr: BFB EPA METHOD Diesel Range Motor Oil Range Surr: DNOP	ID: TT-2 1' 9 8015D MOD: GASOLINE RA ge Organics (GRO) 9 8015M/D: DIESEL RANGE ( Organics (DRO) ge Organics (MRO) 2005968-006	ND 107 DRGANICS ND ND	5.0 70-130 9.4 47 55.1-146	S	Units mg/Kg %Rec mg/Kg mg/Kg %Rec	DF 1 1 1 1 1 : 5/2	Date Anal 5/25/2020 5/25/2020 5/27/2020 5/27/2020 5/27/2020 20/2020	Ana 3:24:17 F 3:24:17 F Ana 11:59:38 11:59:38	Ilyst: PM PM Ilyst: PM PM	JMR 52662 52662 CLP 52675 52675
Client Sample Analyses EPA METHOD Gasoline Rang Surr: BFB EPA METHOD Diesel Range ( Motor Oil Rang Surr: DNOP Lab ID:	ID: TT-2 1' 9 8015D MOD: GASOLINE RA ge Organics (GRO) 9 8015M/D: DIESEL RANGE ( Organics (DRO) ge Organics (MRO) 2005968-006	ND 107 DRGANICS ND ND	5.0 70-130 9.4 47 55.1-146 <b>C</b>	S	Units mg/Kg %Rec mg/Kg mg/Kg %Rec on Date Matrix	DF 1 1 1 1 1 : 5/2 : SC	Date Anal 5/25/2020 5/25/2020 5/27/2020 5/27/2020 5/27/2020 20/2020	Ana 3:24:17 F 3:24:17 F Ana 11:59:38 11:59:38 11:59:38	alyst: PM PM alyst: 3 PM 3 PM 3 PM	JMR 52662 52662 CLP 52675 52675
Client Sample Analyses EPA METHOD Gasoline Rang Surr: BFB EPA METHOD Diesel Range Motor Oil Rang Surr: DNOP Lab ID: Client Sample Analyses	ID: TT-2 1' 9 8015D MOD: GASOLINE RA ge Organics (GRO) 9 8015M/D: DIESEL RANGE ( Organics (DRO) ge Organics (MRO) 2005968-006	ANGE ND 107 DRGANICS ND 164 Result	5.0 70-130 9.4 47 55.1-146 <b>C</b>	S	Units mg/Kg %Rec mg/Kg mg/Kg %Rec on Date Matrix	DF 1 1 1 1 1 : 5/2 : SC	Date Anal 5/25/2020 5/25/2020 5/27/2020 5/27/2020 5/27/2020 20/2020 DIL	Ana 3:24:17 F 3:24:17 F Ana 11:59:38 11:59:38 11:59:38	Ilyst: PM PM Ilyst: } PM } PM B PM B	JMR 52662 52662 CLP 52675 52675 52675
Client Sample Analyses EPA METHOD Gasoline Rang Surr: BFB EPA METHOD Diesel Range Motor Oil Rang Surr: DNOP Lab ID: Client Sample Analyses EPA METHOD	ID: TT-2 1' 9 8015D MOD: GASOLINE RA ge Organics (GRO) 9 8015M/D: DIESEL RANGE ( Organics (DRO) ge Organics (MRO) 2005968-006 ID: TT-2 2' 9 8015D MOD: GASOLINE RA	ANGE ND 107 DRGANICS ND 164 Result	5.0 70-130 9.4 47 55.1-146 <b>C</b>	S	Units mg/Kg %Rec mg/Kg mg/Kg %Rec on Date Matrix Units	DF 1 1 1 1 1 : 5/2 : SC	Date Anal 5/25/2020 5/25/2020 5/27/2020 5/27/2020 5/27/2020 20/2020 DIL	Ana 3:24:17 F 3:24:17 F Ana 11:59:38 11:59:38 11:59:38	Ilyst: PM PM Ilyst: PM PM B PM Ba Ba	JMR 52662 52662 CLP 52675 52675 52675 52675
Client Sample Analyses EPA METHOD Gasoline Rang Surr: BFB EPA METHOD Diesel Range Motor Oil Rang Surr: DNOP Lab ID: Client Sample Analyses EPA METHOD	ID: TT-2 1' 9 8015D MOD: GASOLINE RA ge Organics (GRO) 9 8015M/D: DIESEL RANGE ( Organics (DRO) ge Organics (MRO) 2005968-006 ID: TT-2 2'	ANGE ND 107 DRGANICS ND 164 Result	5.0 70-130 9.4 47 55.1-146 C RL	S	Units mg/Kg %Rec mg/Kg mg/Kg %Rec on Date Matrix	DF 1 1 1 1 1 : 5/2 : SC DF	Date Anal 5/25/2020 5/25/2020 5/27/2020 5/27/2020 5/27/2020 20/2020 DIL Date Anal	Ana 3:24:17 F 3:24:17 F Ana 11:59:38 11:59:38 11:59:38 11:59:38 11:59:38 11:59:38	PM PM Ilyst: PM PM PM Ba Ba	JMR 52662 52662 CLP 52675 52675 52675 tch ID
Client Sample Analyses EPA METHOD Gasoline Rang Surr: BFB EPA METHOD Diesel Range O Motor Oil Rang Surr: DNOP Lab ID: Client Sample Analyses EPA METHOD Gasoline Rang Surr: BFB	ID: TT-2 1' 9 8015D MOD: GASOLINE RA ge Organics (GRO) 9 8015M/D: DIESEL RANGE ( Organics (DRO) ge Organics (MRO) 2005968-006 ID: TT-2 2' 9 8015D MOD: GASOLINE RA ge Organics (GRO)	ANGE ND 107 DRGANICS ND 164 Result ANGE ND 102	5.0 70-130 9.4 47 55.1-146 C RL 4.9	S	Units mg/Kg %Rec mg/Kg mg/Kg %Rec On Date Matrix Units mg/Kg	DF 1 1 1 1 1 1 1 1 2 5/2 5/2 1	Date Anal 5/25/2020 5/25/2020 5/27/2020 5/27/2020 20/2020 DIL Date Anal 5/25/2020	Ana 3:24:17 F 3:24:17 F Ana 11:59:38 11:59:38 11:59:38 11:59:38 11:59:38 3:53:47 F 3:53:47 F	Allyst: PM PM Ilyst: PM B PM Ba Ilyst: PM PM	JMR 52662 52662 CLP 52675 52675 52675 52675 tch ID JMR 52662 52662
Client Sample Analyses EPA METHOD Gasoline Range Surr: BFB EPA METHOD Diesel Range C Motor Oil Range Surr: DNOP Lab ID: Client Sample Analyses EPA METHOD Gasoline Range Surr: BFB	ID: TT-2 1' 9 8015D MOD: GASOLINE RA ge Organics (GRO) 9 8015M/D: DIESEL RANGE ( Organics (DRO) ge Organics (MRO) 2005968-006 ID: TT-2 2' 9 8015D MOD: GASOLINE RA ge Organics (GRO) 9 8015M/D: DIESEL RANGE (	ANGE ND ND ND 164 Result ANGE ND 164	5.0 70-130 9.4 47 55.1-146 C RL 4.9 70-130	S	Units mg/Kg %Rec mg/Kg mg/Kg %Rec On Date Matrix Units mg/Kg %Rec	DF 1 1 1 1 1 1 1 1 SC DF 1 1	Date Anal 5/25/2020 5/25/2020 5/27/2020 5/27/2020 5/27/2020 20/2020 DIL Date Anal 5/25/2020	Ana 3:24:17 F 3:24:17 F Ana 11:59:38 11:59:38 11:59:38 11:59:38 3:53:47 F 3:53:47 F 3:53:47 F 3:53:47 F	Alyst: PM PM Ilyst: PM PM Ba Ilyst: PM PM	JMR 52662 52662 CLP 52675 52675 52675 52675 52675 52662 JMR 52662 52662 52662 CLP
Client Sample Analyses EPA METHOD Gasoline Range Surr: BFB EPA METHOD Diesel Range G Motor Oil Range Surr: DNOP Lab ID: Client Sample Analyses EPA METHOD Gasoline Range Surr: BFB EPA METHOD Diesel Range G	ID: TT-2 1' 9 8015D MOD: GASOLINE RA ge Organics (GRO) 9 8015M/D: DIESEL RANGE ( Organics (DRO) ge Organics (MRO) 2005968-006 ID: TT-2 2' 9 8015D MOD: GASOLINE RA ge Organics (GRO)	ANGE ND 107 DRGANICS ND 164 Result ANGE ND 102	5.0 70-130 9.4 47 55.1-146 C RL 4.9	S	Units mg/Kg %Rec mg/Kg mg/Kg %Rec On Date Matrix Units mg/Kg	DF 1 1 1 1 1 1 1 1 2 5/2 5/2 1	Date Anal 5/25/2020 5/25/2020 5/27/2020 5/27/2020 20/2020 DIL Date Anal 5/25/2020	Ana 3:24:17 F 3:24:17 F Ana 11:59:38 11:59:38 11:59:38 11:59:38 3:53:47 F 3:53:47 F 3:53:47 F Ana 12:24:12	Ilyst: PM PM Ilyst: PM PM Ilyst: PM PM Ilyst: 2 AM	JMR 52662 52662 CLP 52675 52675 52675 52675 52675 52662 52662 52662 52662 52662 52662

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix s

Analyte detected in the associated Method Blank в Е

Value above quantitation range

Analyte detected below quantitation limits J Sample pH Not In Range

Р RL Reporting Limit

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Hall Envi	ronmental Analysis	Laboratory,	Inc.			Ι	Analytical Report ab Order: 2005968 Date Reported: 5/28/	/2020
CLIENT: Project:	Talon Artesia Hackberry 1H Spill				L	.ab C	<b>)rder:</b> 20059	68
Lab ID:	2005968-007		С	ollecti	on Date	e: 5/2	20/2020	
Client Sample	e ID: TT-2 3'				Matrix	s: SC	DIL	
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHO	D 8015D MOD: GASOLINE R	ANGE					Ana	alyst: <b>JMR</b>
Gasoline Rar	nge 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
EPA METHO	D 8015M/D: DIESEL RANGE	ORGANICS					Ana	alyst: CLP
Diesel Range	e Organics (DRO)	ND	9.7		mg/Kg	1	5/28/2020 12:48:49	AM 52675
-	nge Organics (MRO)	ND	48		mg/Kg	1	5/28/2020 12:48:49	AM 52675
Surr: DNO	Р	151	55.1-146	S	%Rec	1	5/28/2020 12:48:49	AM 52675
Lab ID:	2005968-008		C	ollecti	on Date	e: 5/2	20/2020	
Client Sample	e <b>ID:</b> TT-2 4'				Matrix	s: SC	DIL	
Analyses		Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHO	D 8015D MOD: GASOLINE R	ANGE					Ana	alyst: <b>JMR</b>
-		ANGE ND	5.0		mg/Kg	1	Ana 5/25/2020 4:52:45	-
-	D 8015D MOD: GASOLINE Range Organics (GRO)	-	5.0 70-130		mg/Kg %Rec	1 1		PM 52662
Gasoline Rar Surr: BFB		ND 98.8			0 0		5/25/2020 4:52:45 5/25/2020 4:52:45	PM 52662
Gasoline Rar Surr: BFB <b>EPA METHO</b>	nge Organics (GRO) D 8015M/D: DIESEL RANGE	ND 98.8			0 0		5/25/2020 4:52:45 5/25/2020 4:52:45	PM 52662 PM 52662 alyst: <b>CLP</b>
Gasoline Rar Surr: BFB <b>EPA METHO</b> Diesel Range	nge Organics (GRO)	ND 98.8 ORGANICS	70-130		%Rec	1	5/25/2020 4:52:45 5/25/2020 4:52:45 Ana	PM 52662 PM 52662 alyst: <b>CLP</b> AM 52675
Gasoline Rar Surr: BFB <b>EPA METHO</b> Diesel Range	nge Organics (GRO) <b>D 8015M/D: DIESEL RANGE</b> e Organics (DRO) nge Organics (MRO)	ND 98.8 ORGANICS ND	70-130 8.6		%Rec mg/Kg	1 1	5/25/2020 4:52:45 5/25/2020 4:52:45 Ana 5/28/2020 1:13:28	PM 52662 PM 52662 alyst: <b>CLP</b> AM 52675 AM 52675
Gasoline Rar Surr: BFB <b>EPA METHO</b> Diesel Range Motor Oil Rar Surr: DNO	nge Organics (GRO) <b>D 8015M/D: DIESEL RANGE</b> e Organics (DRO) nge Organics (MRO)	ND 98.8 ORGANICS ND ND	70-130 8.6 43 55.1-146	ollecti	%Rec mg/Kg mg/Kg	1 1 1 1	5/25/2020 4:52:45 5/25/2020 4:52:45 Ana 5/28/2020 1:13:28 5/28/2020 1:13:28 5/28/2020 1:13:28	PM 52662 PM 52662 alyst: <b>CLP</b> AM 52675 AM 52675
Gasoline Rar Surr: BFB EPA METHO Diesel Range Motor Oil Rar Surr: DNO	nge Organics (GRO) <b>D 8015M/D: DIESEL RANGE</b> e Organics (DRO) nge Organics (MRO) P	ND 98.8 ORGANICS ND ND	70-130 8.6 43 55.1-146	ollecti	%Rec mg/Kg mg/Kg %Rec	1 1 1 1 2: 5/2	5/25/2020 4:52:45 5/25/2020 4:52:45 Ana 5/28/2020 1:13:28 5/28/2020 1:13:28 5/28/2020 1:13:28 20/2020	PM 52662 PM 52662 alyst: <b>CLP</b> AM 52675 AM 52675
Gasoline Rar Surr: BFB EPA METHO Diesel Range Motor Oil Rar Surr: DNO	nge Organics (GRO) <b>D 8015M/D: DIESEL RANGE</b> e Organics (DRO) nge Organics (MRO) P 2005968-009	ND 98.8 ORGANICS ND ND	70-130 8.6 43 55.1-146		%Rec mg/Kg mg/Kg %Rec on Date Matrix	1 1 1 2: 5/2 x: SC	5/25/2020 4:52:45 5/25/2020 4:52:45 Ana 5/28/2020 1:13:28 5/28/2020 1:13:28 5/28/2020 1:13:28 20/2020	PM 52662 PM 52662 alyst: <b>CLP</b> AM 52675 AM 52675
Gasoline Rar Surr: BFB EPA METHO Diesel Range Motor Oil Rar Surr: DNO Lab ID: Client Sample Analyses	nge Organics (GRO) <b>D 8015M/D: DIESEL RANGE</b> e Organics (DRO) nge Organics (MRO) P 2005968-009	ND 98.8 ORGANICS ND 128 Result	70-130 8.6 43 55.1-146		%Rec mg/Kg mg/Kg %Rec on Date Matrix	1 1 1 2: 5/2 x: SC	5/25/2020 4:52:45   5/25/2020 4:52:45   Ana 5/28/2020 1:13:28 / 5/28/2020 1:13:28 / 5/28/2020 1:13:28 / 20/2020 DIL Date Analyzed	PM 52662 PM 52662 alyst: CLP AM 52675 AM 52675 AM 52675 BAM 52675
Gasoline Rar Surr: BFB EPA METHO Diesel Range Motor Oil Rar Surr: DNO Lab ID: Client Sample Analyses EPA METHO	nge Organics (GRO) <b>D 8015M/D: DIESEL RANGE</b> (DRO) nge Organics (DRO) nge Organics (MRO) P 2005968-009 ( <b>ID:</b> TT-3 1' <b>D 8015D MOD: GASOLINE R</b>	ND 98.8 ORGANICS ND 128 Result	70-130 8.6 43 55.1-146 C RL		%Rec mg/Kg mg/Kg %Rec on Date Matrix	1 1 1 2: 5/2 x: SC	5/25/2020 4:52:45   5/25/2020 4:52:45   Ana 5/28/2020 1:13:28 / 5/28/2020 1:13:28 / 5/28/2020 1:13:28 / 20/2020 DIL Date Analyzed	PM 52662 PM 52662 alyst: <b>CLP</b> AM 52675 AM 52675 AM 52675 <b>Batch ID</b> alyst: <b>JMR</b>
Gasoline Rar Surr: BFB EPA METHO Diesel Range Motor Oil Rar Surr: DNO Lab ID: Client Sample Analyses EPA METHO	nge Organics (GRO) <b>D 8015M/D: DIESEL RANGE</b> e Organics (DRO) nge Organics (MRO) P 2005968-009 e <b>ID:</b> TT-3 1'	ND 98.8 ORGANICS ND 128 Result	70-130 8.6 43 55.1-146		%Rec mg/Kg mg/Kg %Rec on Date Matrix Units	1 1 1 2: 5/2 3: SC DF	5/25/2020 4:52:45 5/25/2020 4:52:45 Ana 5/28/2020 1:13:28 5/28/2020 1:13:28 5/28/2020 1:13:28 20/2020 DIL Date Analyzed Ana	PM 52662 PM 52662 alyst: CLP AM 52675 AM 52675 AM 52675 AM 52675
Gasoline Rar Surr: BFB EPA METHO Diesel Range Motor Oil Rar Surr: DNO Lab ID: Client Sample Analyses EPA METHO Gasoline Rar Surr: BFB	nge Organics (GRO) <b>D 8015M/D: DIESEL RANGE</b> (DRO) nge Organics (DRO) nge Organics (MRO) P 2005968-009 ( <b>ID:</b> TT-3 1' <b>D 8015D MOD: GASOLINE R</b>	ND 98.8 ORGANICS ND 128 Result ANGE ND 103	70-130 8.6 43 55.1-146 C RL 5.0		%Rec mg/Kg mg/Kg %Rec on Date Matrix Units mg/Kg	1 1 1 2: 5/2 2: SC DF	5/25/2020 4:52:45   5/25/2020 4:52:45   Ana 5/28/2020 1:13:28 / 5/28/2020 1:13:28 / 5/28/2020 1:13:28 / 20/2020 DIL Date Analyzed Ana 5/25/2020 5:22:08   5/25/2020 5:22:08	PM 52662 PM 52662 alyst: CLP AM 52675 AM 52675 AM 52675 AM 52675 Batch ID alyst: JMR PM 52662 PM 52662
Gasoline Rar Surr: BFB EPA METHO Diesel Range Motor Oil Rar Surr: DNO Lab ID: Client Sample Analyses EPA METHO Gasoline Rar Surr: BFB	nge Organics (GRO) <b>D 8015M/D: DIESEL RANGE</b> a Organics (DRO) nge Organics (MRO) P 2005968-009 a <b>ID:</b> TT-3 1' <b>D 8015D MOD: GASOLINE R</b> nge Organics (GRO) <b>D 8015M/D: DIESEL RANGE</b>	ND 98.8 ORGANICS ND 128 Result ANGE ND 103	70-130 8.6 43 55.1-146 <b>C</b> <b>RL</b> 5.0 70-130		%Rec mg/Kg mg/Kg %Rec on Date Matrix Units mg/Kg %Rec	1 1 1 2: 5/2 2: SC DF	5/25/2020 4:52:45 5/25/2020 4:52:45 Ana 5/28/2020 1:13:28 5/28/2020 1:13:28 5/28/2020 1:13:28 20/2020 DIL Date Analyzed Ana 5/25/2020 5:22:08 5/25/2020 5:22:08	PM 52662 PM 52662 alyst: CLP AM 52675 AM 52675 AM 52675 AM 52675 AM 52662 Batch III alyst: JMR PM 52662 PM 52662
Gasoline Rar Surr: BFB EPA METHO Diesel Range Motor Oil Rar Surr: DNO Lab ID: Client Sample Analyses EPA METHO Gasoline Rar Surr: BFB EPA METHO Diesel Range	nge Organics (GRO) <b>D 8015M/D: DIESEL RANGE</b> e Organics (DRO) nge Organics (MRO) P 2005968-009 e <b>ID:</b> TT-3 1' <b>D 8015D MOD: GASOLINE R</b> nge Organics (GRO)	ND 98.8 ORGANICS ND 128 Result ANGE ND 103 ORGANICS	70-130 8.6 43 55.1-146 C RL 5.0		%Rec mg/Kg mg/Kg %Rec on Date Matrix Units mg/Kg	1 1 1 :: 5/2 :: SC DF	5/25/2020 4:52:45   5/25/2020 4:52:45   Ana 5/28/2020 1:13:28 / 5/28/2020 1:13:28 / 5/28/2020 1:13:28 / 20/2020 DIL Date Analyzed Ana 5/25/2020 5:22:08   5/25/2020 5:22:08	PM 52662 PM 52662 alyst: CLP AM 52675 AM 52675 AM 52675 AM 52675 AM 52662 PM 52662 PM 52662 alyst: CLP AM 52675

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

Analyte detected in the associated Method Blank в Е Value above quantitation range

Analyte detected below quantitation limits J

Sample pH Not In Range Р RL Reporting Limit

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Hall Enviror	nmental Analysis	Laboratory,	Inc.			I	Analytical Lab Order: 2 Date Reporte	2005968	2020	)
	Talon Artesia Hackberry 1H Spill				L	ab C	)rder:	20059	68	
Lab ID:	2005968-010		С	ollecti	on Date	: 5/2	20/2020			
Client Sample ID:	: TT-3 2'				Matrix	: SC	DIL			
Analyses		Result	RL	Qual	Units	DF	Date Ana	lyzed	Ba	tch ID
EPA METHOD 80	15D MOD: GASOLINE RA	ANGE						Ana	lyst:	JMR
Gasoline Range C	Organics (GRO)	ND	5.0		mg/Kg	1	5/25/2020	5:51:25 I	РМ	52662
Surr: BFB		101	70-130		%Rec	1	5/25/2020	5:51:25 I	РΜ	52662
EPA METHOD 80	15M/D: DIESEL RANGE	ORGANICS						Ana	lyst:	CLP
Diesel Range Org	anics (DRO)	ND	10		mg/Kg	1	5/28/2020	2:03:06	λM	52675
Motor Oil Range C		ND	51		mg/Kg	1	5/28/2020	2:03:06	٩M	52675
Surr: DNOP		157	55.1-146	S	%Rec	1	5/28/2020	2:03:06	٩M	52675
	20050 (0.011		C	ollecti	on Date	• 5/2	20/2020			
Lab ID:	2005968-011		U	oncen	on Duit	• 512				
			C	oncen	Matrix		DIL			
Lab ID: Client Sample ID: Analyses		Result	-		Matrix	: SC	)IL Date Ana	lyzed	Ba	tch ID
Client Sample ID: Analyses			-		Matrix	: SC		-		itch ID JMR
Client Sample ID: Analyses EPA METHOD 80	: TT-6 1'		-		Matrix	: SC		Ana	lyst:	JMR
Client Sample ID: Analyses	: TT-6 1'	ANGE	RL		Matrix Units	SC DF	Date Ana	Ana 6:20:38 I	lyst: PM	<b>JMR</b> 52662
Client Sample ID: Analyses EPA METHOD 80 Gasoline Range C Surr: BFB	: TT-6 1'	ANGE ND 104	<b>RL</b> 4.9		Matrix Units mg/Kg	: SC DF	<b>Date Ana</b> 5/25/2020	Ana 6:20:38 F 6:20:38 F	lyst: PM PM	52662 52662
Client Sample ID: Analyses EPA METHOD 80 Gasoline Range C Surr: BFB EPA METHOD 80	TT-6 1' T5D MOD: GASOLINE RAD Organics (GRO) T5M/D: DIESEL RANGE	ANGE ND 104	<b>RL</b> 4.9		Matrix Units mg/Kg %Rec	: SC DF	<b>Date Ana</b> 5/25/2020	Ana 6:20:38 F 6:20:38 F Ana	lyst: PM PM lyst:	JMR 52662 52662 CLP
Client Sample ID: Analyses EPA METHOD 80 Gasoline Range C Surr: BFB EPA METHOD 80 Diesel Range Org	TT-6 1' <b>15D MOD: GASOLINE R</b> Organics (GRO) <b>15M/D: DIESEL RANGE</b> anics (DRO)	ANGE ND 104 ORGANICS	<b>RL</b> 4.9 70-130		Matrix Units mg/Kg %Rec mg/Kg	: SC DF 1	<b>Date Ana</b> 5/25/2020 5/25/2020	Ana 6:20:38 F 6:20:38 F Ana 2:27:58 /	lyst: PM PM lyst: AM	JMR 52662 52662 CLP 52675
Client Sample ID: Analyses EPA METHOD 80 Gasoline Range C Surr: BFB EPA METHOD 80	TT-6 1' <b>15D MOD: GASOLINE R</b> Organics (GRO) <b>15M/D: DIESEL RANGE</b> anics (DRO)	ANGE ND 104 ORGANICS ND	<b>RL</b> 4.9 70-130 9.4		Matrix Units mg/Kg %Rec	: SC DF 1 1	Date Ana 5/25/2020 5/25/2020 5/28/2020	Ana 6:20:38 F 6:20:38 F Ana 2:27:58 / 2:27:58 /	lyst: PM PM lyst: AM AM	JMR 52662 52662 CLP 52675 52675
Client Sample ID: Analyses EPA METHOD 80 Gasoline Range C Surr: BFB EPA METHOD 80 Diesel Range Org. Motor Oil Range C	TT-6 1' <b>15D MOD: GASOLINE R</b> Organics (GRO) <b>15M/D: DIESEL RANGE</b> anics (DRO)	ANGE ND 104 ORGANICS ND ND	RL 4.9 70-130 9.4 47 55.1-146	Qual	Matrix Units mg/Kg %Rec mg/Kg mg/Kg	: SC DF 1 1 1 1	Date Ana 5/25/2020 5/25/2020 5/28/2020 5/28/2020 5/28/2020	Ana 6:20:38 F 6:20:38 F Ana 2:27:58 / 2:27:58 /	lyst: PM PM lyst: AM AM	<b>JMR</b> 52662 52662
Client Sample ID: Analyses EPA METHOD 80 Gasoline Range C Surr: BFB EPA METHOD 80 Diesel Range Org. Motor Oil Range C Surr: DNOP	: TT-6 1' <b>D15D MOD: GASOLINE R</b> Drganics (GRO) <b>D15M/D: DIESEL RANGE</b> anics (DRO) Drganics (MRO) 2005968-012	ANGE ND 104 ORGANICS ND ND	RL 4.9 70-130 9.4 47 55.1-146	Qual	Matrix Units mg/Kg %Rec mg/Kg mg/Kg %Rec	* SC DF 1 1 1 1 1 : 5/2	Date Ana 5/25/2020 5/25/2020 5/28/2020 5/28/2020 5/28/2020	Ana 6:20:38 F 6:20:38 F Ana 2:27:58 / 2:27:58 /	lyst: PM PM lyst: AM AM	JMR 52662 52662 CLP 52675 52675
Client Sample ID: Analyses EPA METHOD 80 Gasoline Range C Surr: BFB EPA METHOD 80 Diesel Range Org Motor Oil Range C Surr: DNOP	: TT-6 1' <b>D15D MOD: GASOLINE R</b> Drganics (GRO) <b>D15M/D: DIESEL RANGE</b> anics (DRO) Drganics (MRO) 2005968-012	ANGE ND 104 ORGANICS ND ND	RL 4.9 70-130 9.4 47 55.1-146	Qual	Matrix Units mg/Kg %Rec mg/Kg mg/Kg %Rec on Date Matrix	1 1 1 1 1 :: 5/2 :: SC	Date Ana 5/25/2020 5/25/2020 5/28/2020 5/28/2020 5/28/2020	Ana 6:20:38 F 6:20:38 F Ana 2:27:58 / 2:27:58 /	lyst: PM PM lyst: AM AM	JMR 52662 52662 CLP 52675 52675
Client Sample ID: Analyses EPA METHOD 80 Gasoline Range C Surr: BFB EPA METHOD 80 Diesel Range Org. Motor Oil Range Org. Motor Oil Range C Surr: DNOP Lab ID: Client Sample ID: Analyses	: TT-6 1' <b>D15D MOD: GASOLINE R</b> Drganics (GRO) <b>D15M/D: DIESEL RANGE</b> anics (DRO) Drganics (MRO) 2005968-012	ANGE ND 104 ORGANICS ND 142 Result	RL 4.9 70-130 9.4 47 55.1-146	Qual	Matrix Units mg/Kg %Rec mg/Kg mg/Kg %Rec on Date Matrix	1 1 1 1 1 :: 5/2 :: SC	Date Ana 5/25/2020 5/25/2020 5/28/2020 5/28/2020 5/28/2020 20/2020 DIL	Ana 6:20:38 F 6:20:38 F Ana 2:27:58 / 2:27:58 /	Iyst: PM Iyst: AM AM Ba	JMR 52662 52662 CLP 52675 52675 52675
Client Sample ID: Analyses EPA METHOD 80 Gasoline Range C Surr: BFB EPA METHOD 80 Diesel Range Org Motor Oil Range C Surr: DNOP Lab ID: Client Sample ID: Analyses EPA METHOD 80	: TT-6 1' <b>D15D MOD: GASOLINE R</b> Drganics (GRO) <b>D15M/D: DIESEL RANGE</b> anics (DRO) Drganics (MRO) 2005968-012 : TT-6 2' <b>D15D MOD: GASOLINE R</b>	ANGE ND 104 ORGANICS ND 142 Result ANGE	RL 4.9 70-130 9.4 47 55.1-146	Qual	Matrix Units mg/Kg %Rec mg/Kg mg/Kg %Rec on Date Matrix Units	1 1 1 1 1 :: 5/2 :: SC	Date Ana 5/25/2020 5/25/2020 5/28/2020 5/28/2020 5/28/2020 20/2020 DIL	Ana 6:20:38 F 6:20:38 F 2:27:58 / 2:27:58 / 2:27:58 /	Iyst: PM Iyst: AM AM Ba Ba	JMR 52662 52662 CLP 52675 52675 52675
Client Sample ID: Analyses EPA METHOD 80 Gasoline Range C Surr: BFB EPA METHOD 80 Diesel Range Org. Motor Oil Range C Surr: DNOP Lab ID: Client Sample ID: Analyses	: TT-6 1' <b>D15D MOD: GASOLINE R</b> Drganics (GRO) <b>D15M/D: DIESEL RANGE</b> anics (DRO) Drganics (MRO) 2005968-012 : TT-6 2' <b>D15D MOD: GASOLINE R</b>	ANGE ND 104 ORGANICS ND 142 Result	RL 4.9 70-130 9.4 47 55.1-146 C RL	Qual	Matrix Units mg/Kg %Rec mg/Kg mg/Kg %Rec on Date Matrix	1 1 1 1 : 5/2 : SC DF	Date Ana 5/25/2020 5/25/2020 5/28/2020 5/28/2020 5/28/2020 20/2020 DIL Date Ana	Ana 6:20:38 F 6:20:38 F Ana 2:27:58 / 2:27:58 / 2:27:58 /	Iyst: PM Iyst: AM AM AM Ba Iyst: PM	JMR 52662 52662 CLP 52675 52675 52675
Client Sample ID: Analyses EPA METHOD 80 Gasoline Range C Surr: BFB EPA METHOD 80 Diesel Range Org. Motor Oil Range O Surr: DNOP Lab ID: Client Sample ID: Analyses EPA METHOD 80 Gasoline Range C Surr: BFB	: TT-6 1' <b>D15D MOD: GASOLINE R</b> Drganics (GRO) <b>D15M/D: DIESEL RANGE</b> anics (DRO) Drganics (MRO) 2005968-012 : TT-6 2' <b>D15D MOD: GASOLINE R</b>	ANGE ND 104 ORGANICS ND 142 Result ANGE ND 106	RL 4.9 70-130 9.4 47 55.1-146 C RL 5.0	Qual	Matrix Units mg/Kg %Rec mg/Kg %Rec on Date Matrix Units mg/Kg	1 1 1 1 1 : 5/2 : SC DF	Date Ana 5/25/2020 5/25/2020 5/28/2020 5/28/2020 5/28/2020 20/2020 DIL Date Ana 5/25/2020	Ana 6:20:38 F 6:20:38 F Ana 2:27:58 / 2:27:58 / 2:27:58 / 2:27:58 / 6:49:49 F 6:49:49 F	Iyst: PM Iyst: AM AM Ba Iyst: PM	JMR 52662 52662 CLP 52675 52675 52675
Client Sample ID: Analyses EPA METHOD 80 Gasoline Range C Surr: BFB EPA METHOD 80 Diesel Range Org Motor Oil Range C Surr: DNOP Lab ID: Client Sample ID: Analyses EPA METHOD 80 Gasoline Range C Surr: BFB	: TT-6 1' TSD MOD: GASOLINE RAD Organics (GRO) TSM/D: DIESEL RANGE anics (DRO) Organics (MRO) 2005968-012 : TT-6 2' TSD MOD: GASOLINE RAD Organics (GRO) TSM/D: DIESEL RANGE	ANGE ND 104 ORGANICS ND ND 142 Result ANGE ND 106 ORGANICS	RL 4.9 70-130 9.4 47 55.1-146 C RL 5.0 70-130	Qual	Matrix Units mg/Kg %Rec mg/Kg mg/Kg %Rec on Date Matrix Units mg/Kg %Rec	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Date Ana 5/25/2020 5/25/2020 5/28/2020 5/28/2020 5/28/2020 20/2020 DIL Date Ana 5/25/2020	Ana 6:20:38 F 6:20:38 F Ana 2:27:58 / 2:27:58 / 2:27:58 / dilyzed Ana 6:49:49 F 6:49:49 F 6:49:49 F	lyst: PM PM lyst: AM AM AM Iyst: PM PM lyst:	JMR 52662 52662 CLP 52675 52675 52675 52675 52675 52675 52675 52662 52662 52662 52662 CLP
Client Sample ID: Analyses EPA METHOD 80 Gasoline Range C Surr: BFB EPA METHOD 80 Diesel Range Org. Motor Oil Range O Surr: DNOP Lab ID: Client Sample ID: Analyses EPA METHOD 80 Gasoline Range C Surr: BFB	: TT-6 1' TSD MOD: GASOLINE RAD Organics (GRO) TSM/D: DIESEL RANGE anics (DRO) Organics (MRO) 2005968-012 : TT-6 2' TSD MOD: GASOLINE RAD Organics (GRO) TSM/D: DIESEL RANGE anics (DRO)	ANGE ND 104 ORGANICS ND 142 Result ANGE ND 106	RL 4.9 70-130 9.4 47 55.1-146 C RL 5.0	Qual	Matrix Units mg/Kg %Rec mg/Kg %Rec on Date Matrix Units mg/Kg	1 1 1 1 1 : 5/2 : SC DF	Date Ana 5/25/2020 5/25/2020 5/28/2020 5/28/2020 5/28/2020 20/2020 DIL Date Ana 5/25/2020 5/25/2020	Ana 6:20:38 F 6:20:38 F Ana 2:27:58 / 2:27:58 / 2:27:58 / 2:27:58 / 6:49:49 F 6:49:49 F 6:49:49 F 6:49:49 F Ana 2:52:39 /	Iyst: PM Iyst: AM AM AM Iyst: PM Iyst: AM	JMR 52662 52662 CLP 52675 52675 52675 52675 s2675

Qualifiers:

Value exceeds Maximum Contaminant Level. в

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix s

Analyte detected in the associated Method Blank Е Value above quantitation range

Analyte detected below quantitation limits J

Sample pH Not In Range

Р RL Reporting Limit

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Hall Envir	onmental Analysis l	Laboratory,	Inc.			L	ab Order: 2005 Date Reported:	968	020	
CLIENT: Project:	Talon Artesia Hackberry 1H Spill				L	ab O	order: 20	00596	8	
Lab ID:	2005968-013		С	ollecti	on Date	: 5/2	0/2020			
Client Sample	<b>ID:</b> TT-6 3'				Matrix	: SO	IL			
Analyses		Result	RL	Qual	Units	DF	Date Analyz	ed	Bat	ch ID
EPA METHOD	8015D MOD: GASOLINE RA	NGE						Analy	/st: .	JMR
Gasoline Rang	ge Organics (GRO)	ND	5.0		mg/Kg	1	5/25/2020 7:1	9:43 PI	М	52662
Surr: BFB		100	70-130		%Rec	1	5/25/2020 7:1	9:43 PI	М	52662
EPA METHOD	8015M/D: DIESEL RANGE	ORGANICS						Analy	/st: (	CLP
Diesel Range	Organics (DRO)	ND	9.9		mg/Kg	1	5/28/2020 3:1	- 7:22 Al	М	52675
-	ge Organics (MRO)	ND	49		mg/Kg	1	5/28/2020 3:1	7:22 Al	М	52675
Surr: DNOP	)	143	55.1-146		%Rec	1	5/28/2020 3:1	7:22 Al	M	52675
	2005968-014		C	ollecti	on Date	: 5/2	0/2020			
Lab ID:	2003700-014									
					Matrix	: SO	IL			
		Result	RL	Qual			IL Date Analyz	ed	Bat	ch ID
Client Sample Analyses			RL	Qual				e <b>d</b> Analy		
Client Sample Analyses EPA METHOD	<b>ID:</b> TT-6 4'		<b>RL</b> 5.0	Qual				Analy	/st: ,	JMR
Client Sample Analyses EPA METHOD	ID: TT-6 4'	NGE		Qual	Units	DF	Date Analyz	Analy 9:01 Pl	yst: , M	ch ID JMR 52662 52662
Client Sample Analyses EPA METHOD Gasoline Rang Surr: BFB	ID: TT-6 4'	ND 109	5.0	Qual	Units mg/Kg	<b>DF</b>	<b>Date Analyz</b> 5/25/2020 7:4	Analy 9:01 Pl 9:01 Pl	yst: , M M	<b>JMR</b> 52662 52662
Client Sample Analyses EPA METHOD Gasoline Rang Surr: BFB EPA METHOD	ID: TT-6 4' 9 8015D MOD: GASOLINE RA ge Organics (GRO) 9 8015M/D: DIESEL RANGE (	ND 109	5.0	Qual	Units mg/Kg %Rec	<b>DF</b>	<b>Date Analyz</b> 5/25/2020 7:4	Analy 9:01 Pl 9:01 Pl 9:01 Pl Analy	yst: , M M yst: (	JMR 52662 52662 CLP
EPA METHOD Gasoline Rang Surr: BFB EPA METHOD Diesel Range	ID: TT-6 4' 8015D MOD: GASOLINE RA ge Organics (GRO)	ND 109 DRGANICS	5.0 70-130	Qual	Units mg/Kg %Rec mg/Kg	<b>DF</b> 1	<b>Date Analyz</b> 5/25/2020 7:4 5/25/2020 7:4	Analy 9:01 Pl 9:01 Pl 9:01 Pl Analy 2:03 Al	yst: , M M yst: (	<b>JMR</b> 52662 52662
Client Sample Analyses EPA METHOD Gasoline Range Surr: BFB EPA METHOD Diesel Range	ID: TT-6 4' 9 8015D MOD: GASOLINE RA ge Organics (GRO) 9 8015M/D: DIESEL RANGE ( Organics (DRO) ge Organics (MRO)	ND 109 DRGANICS ND	5.0 70-130 10	Qual S	Units mg/Kg %Rec	<b>DF</b> 1 1 1	Date Analyz 5/25/2020 7:4 5/25/2020 7:4 5/28/2020 3:4	Analy 9:01 Pl 9:01 Pl 9:01 Pl 2:03 Al 2:03 Al	yst: , M M yst: ( M M	JMR 52662 52662 <b>CLP</b> 52675 52675
Client Sample Analyses EPA METHOD Gasoline Range Surr: BFB EPA METHOD Diesel Range Motor Oil Range Surr: DNOP	ID: TT-6 4' 9 8015D MOD: GASOLINE RA ge Organics (GRO) 9 8015M/D: DIESEL RANGE ( Organics (DRO) ge Organics (MRO)	ND 109 DRGANICS ND ND	5.0 70-130 10 51 55.1-146	S	Units mg/Kg %Rec mg/Kg mg/Kg	<b>DF</b> 1 1 1 1 1 1 1	Date Analyze 5/25/2020 7:4 5/25/2020 7:4 5/28/2020 3:4 5/28/2020 3:4 5/28/2020 3:4	Analy 9:01 Pl 9:01 Pl 9:01 Pl 2:03 Al 2:03 Al	yst: , M M yst: ( M M	JMR 52662 52662 <b>CLP</b> 52675 52675
Client Sample Analyses EPA METHOD Gasoline Rang Surr: BFB EPA METHOD Diesel Range Motor Oil Rang Surr: DNOP	ID: TT-6 4' <b>2 8015D MOD: GASOLINE RA</b> ge Organics (GRO) <b>2 8015M/D: DIESEL RANGE (</b> Organics (DRO) ge Organics (MRO) 2005968-015	ND 109 DRGANICS ND ND	5.0 70-130 10 51 55.1-146	S	Units mg/Kg %Rec mg/Kg mg/Kg %Rec	DF 1 1 1 1 1 : 5/2	Date Analyze 5/25/2020 7:4 5/25/2020 7:4 5/28/2020 3:4 5/28/2020 3:4 5/28/2020 3:4	Analy 9:01 Pl 9:01 Pl 9:01 Pl 2:03 Al 2:03 Al	yst: , M M yst: ( M M	JMR 52662 52662 <b>CLP</b> 52675 52675
Client Sample Analyses EPA METHOD Gasoline Range Surr: BFB EPA METHOD Diesel Range Motor Oil Rang Surr: DNOP	ID: TT-6 4' <b>2 8015D MOD: GASOLINE RA</b> ge Organics (GRO) <b>2 8015M/D: DIESEL RANGE (</b> Organics (DRO) ge Organics (MRO) 2005968-015	ND 109 DRGANICS ND ND	5.0 70-130 10 51 55.1-146 <b>C</b>	S	Units mg/Kg %Rec mg/Kg %Rec on Date Matrix	DF 1 1 1 1 1 1 1 1 1 2 : 5/2 : SO	Date Analyze 5/25/2020 7:4 5/25/2020 7:4 5/28/2020 3:4 5/28/2020 3:4 5/28/2020 3:4	Analy 9:01 Pl 9:01 Pl 2:03 Al 2:03 Al 2:03 Al	yst: , M M yst: ( M M	JMR 52662 52662 <b>CLP</b> 52675
Client Sample Analyses EPA METHOD Gasoline Rang Surr: BFB EPA METHOD Diesel Range ( Motor Oil Rang Surr: DNOP Lab ID: Client Sample Analyses	ID: TT-6 4' <b>2 8015D MOD: GASOLINE RA</b> ge Organics (GRO) <b>2 8015M/D: DIESEL RANGE (</b> Organics (DRO) ge Organics (MRO) 2005968-015	ANGE ND 109 DRGANICS ND 147 Result	5.0 70-130 10 51 55.1-146 <b>C</b>	S	Units mg/Kg %Rec mg/Kg %Rec on Date Matrix	DF 1 1 1 1 1 1 1 1 1 2 : 5/2 : SO	Date Analyze 5/25/2020 7:4 5/25/2020 7:4 5/28/2020 3:4 5/28/2020 3:4 5/28/2020 3:4 5/28/2020 3:4	Analy 9:01 Pl 9:01 Pl 2:03 Al 2:03 Al 2:03 Al	yst: , M yst: , M M <b>Bat</b>	JMR 52662 52662 CLP 52675 52675 52675
Client Sample Analyses EPA METHOD Gasoline Rang Surr: BFB EPA METHOD Diesel Range Motor Oil Rang Surr: DNOP Lab ID: Client Sample Analyses EPA METHOD	ID: TT-6 4' 9 8015D MOD: GASOLINE RA ge Organics (GRO) 9 8015M/D: DIESEL RANGE ( Organics (DRO) ge Organics (MRO) 2005968-015 ID: TT-7 1'	ANGE ND 109 DRGANICS ND 147 Result	5.0 70-130 10 51 55.1-146 <b>C</b>	S	Units mg/Kg %Rec mg/Kg %Rec on Date Matrix	DF 1 1 1 1 1 1 1 1 1 2 : 5/2 : SO	Date Analyze 5/25/2020 7:4 5/25/2020 7:4 5/28/2020 3:4 5/28/2020 3:4 5/28/2020 3:4 5/28/2020 3:4	Analy 9:01 Pl 9:01 Pl 2:03 Al 2:03 Al 2:03 Al 2:03 Al	yst: , M yst: ( M M M <b>Bat</b>	JMR 52662 52662 CLP 52675 52675 52675
Client Sample Analyses EPA METHOD Gasoline Rang Surr: BFB EPA METHOD Diesel Range Motor Oil Rang Surr: DNOP Lab ID: Client Sample Analyses EPA METHOD	ID: TT-6 4' <b>2 8015D MOD: GASOLINE RA</b> ge Organics (GRO) <b>2 8015M/D: DIESEL RANGE (</b> Organics (DRO) ge Organics (MRO) 2005968-015 ID: TT-7 1' <b>2 8015D MOD: GASOLINE RA</b>	ANGE ND 109 DRGANICS ND ND 147 Result	5.0 70-130 10 51 55.1-146 <b>C</b> <b>RL</b>	S	Units mg/Kg %Rec mg/Kg mg/Kg %Rec on Date Matrix Units	DF 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2	Date Analyze 5/25/2020 7:4 5/25/2020 7:4 5/28/2020 3:4 5/28/2020 3:4 5/28/2020 3:4 0/2020 IL Date Analyze	Analy 9:01 Pl 9:01 Pl 2:03 Al 2:03 Al 2:03 Al 2:03 Al 2:03 Al 2:03 Al 8:15 Pl	yst: , M M M M M M M M M	JMR 52662 52662 CLP 52675 52675 52675 ch ID
Client Sample Analyses EPA METHOD Gasoline Rang Surr: BFB EPA METHOD Diesel Range G Motor Oil Rang Surr: DNOP Lab ID: Client Sample Analyses EPA METHOD Gasoline Rang Surr: BFB	ID: TT-6 4' <b>2 8015D MOD: GASOLINE RA</b> ge Organics (GRO) <b>2 8015M/D: DIESEL RANGE (</b> Organics (DRO) ge Organics (MRO) 2005968-015 ID: TT-7 1' <b>2 8015D MOD: GASOLINE RA</b>	ANGE ND 109 DRGANICS ND 147 Result ANGE ND 109	5.0 70-130 10 51 55.1-146 <b>C</b> <b>RL</b> 5.0	S	Units mg/Kg %Rec mg/Kg mg/Kg %Rec on Date Matrix Units mg/Kg	<b>DF</b> 1 1 1 1 1 1 1 <b>:</b> 5/2 <b>:</b> SO <b>DF</b> 1	Date Analyze 5/25/2020 7:4 5/25/2020 7:4 5/28/2020 3:4 5/28/2020 3:4 5/28/2020 3:4 0/2020 0IL Date Analyze 5/25/2020 8:1	Analy 9:01 Pl 9:01 Pl 2:03 Al 2:03 Al 2:03 Al 2:03 Al 2:03 Al 2:03 Al 8:15 Pl	yst: , M M M M M M yst: , M M	JMR 52662 52662 CLP 52675 52675 52675 52675 52675 52675 52662 52662 52662
Client Sample Analyses EPA METHOD Gasoline Range Surr: BFB EPA METHOD Diesel Range Motor Oil Rang Surr: DNOP Lab ID: Client Sample Analyses EPA METHOD Gasoline Rang Surr: BFB	ID: TT-6 4' 9 8015D MOD: GASOLINE RA ge Organics (GRO) 9 8015M/D: DIESEL RANGE ( Organics (DRO) ge Organics (MRO) 2005968-015 ID: TT-7 1' 9 8015D MOD: GASOLINE RA ge Organics (GRO)	ANGE ND 109 DRGANICS ND 147 Result ANGE ND 109	5.0 70-130 10 51 55.1-146 <b>C</b> <b>RL</b> 5.0	S	Units mg/Kg %Rec mg/Kg mg/Kg %Rec on Date Matrix Units mg/Kg	<b>DF</b> 1 1 1 1 1 1 1 <b>:</b> 5/2 <b>:</b> SO <b>DF</b> 1	Date Analyze 5/25/2020 7:4 5/25/2020 7:4 5/28/2020 3:4 5/28/2020 3:4 5/28/2020 3:4 0/2020 0IL Date Analyze 5/25/2020 8:1	Analy 9:01 Pl 9:01 Pl 2:03 Al 2:03 Al 2:03 Al 2:03 Al 2:03 Al 8:15 Pl 8:15 Pl 8:15 Pl 8:15 Pl	yst: , M M yst: , M M yst: , M M M	JMR 52662 52662 CLP 52675 52675 52675 52675 52675 52675 52662 52662 52662 52662 52662 52662
Client Sample Analyses EPA METHOD Gasoline Range Surr: BFB EPA METHOD Diesel Range Motor Oil Range Surr: DNOP Lab ID: Client Sample Analyses EPA METHOD Gasoline Range Surr: BFB EPA METHOD Diesel Range	ID: TT-6 4' 9 8015D MOD: GASOLINE RA ge Organics (GRO) 9 8015M/D: DIESEL RANGE ( Organics (DRO) ge Organics (MRO) 2005968-015 ID: TT-7 1' 9 8015D MOD: GASOLINE RA ge Organics (GRO) 9 8015M/D: DIESEL RANGE (	ANGE ND 109 DRGANICS ND 147 Result ANGE ND 109 DRGANICS	5.0 70-130 10 51 55.1-146 <b>C</b> <b>RL</b> 5.0 70-130	S	Units mg/Kg %Rec mg/Kg mg/Kg %Rec On Date Matrix Units mg/Kg %Rec	<b>DF</b> 1 1 1 1 1 1 1 <b>:</b> 5/2 <b>:</b> SC <b>DF</b> 1 1	Date Analyze 5/25/2020 7:4 5/25/2020 7:4 5/28/2020 3:4 5/28/2020 3:4 5/28/2020 3:4 5/28/2020 3:4 0/2020 0IL Date Analyze 5/25/2020 8:1	Analy 9:01 Pl 9:01 Pl 2:03 Al 2:03 Al 2:03 Al 2:03 Al 2:03 Al 8:15 Pl 8:15 Pl 8:15 Pl 6:49 Al	yst: , M M M M M M yst: , M M M M M	JMR 52662 52662 CLP 52675 52675 52675 ch ID JMR 52662 52662

Qualifiers:

\* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

Analyte detected in the associated Method Blank в Е Value above quantitation range

Analyte detected below quantitation limits J

Sample pH Not In Range Р RL Reporting Limit

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Hall Envi	ronmental Analysis I	Inc.		Ι	Analytical Report Lab Order: 2005968 Date Reported: 5/28		)	
CLIENT: Project:	Talon Artesia Hackberry 1H Spill			L	.ab C	<b>)rder:</b> 2005	968	
Lab ID:	2005968-016		Colle	ection Date	: 5/2	20/2020		
Client Sample	e ID: TT-7 2'			Matrix	: SC	DIL		
Analyses		Result	RL Qu	ual Units	DF	Date Analyzed	Ba	atch ID
EPA METHO	D 8015D MOD: GASOLINE RA	NGE				An	alyst	JMR
Gasoline Rar	nge 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
EPA METHO	D 8015M/D: DIESEL RANGE C	ORGANICS				An	alyst	CLP
Diesel Range	e Organics (DRO)	ND	9.5	mg/Kg	1	5/28/2020 4:31:28	AM	52675
Motor Oil Rai	nge Organics (MRO)	ND	48	mg/Kg	1	5/28/2020 4:31:28	AM	52675
Surr: DNO	P	126	55.1-146	%Rec	1	5/28/2020 4:31:28	AM	52675

Qualifiers:

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

E Value above quantitation range

Analyte detected in the associated Method Blank

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

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. Released to Imaging: 1/19/2021 11:17:01 AM

Client: Talon A Project: Hackber	rtesia rry 1H Spill											
Sample ID: MB-52675	Samp	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics			
Client ID: PBS	Batc	h ID: 52	675	RunNo: 69153								
Prep Date: 5/26/2020	Analysis [	Date: <b>5/</b>	27/2020	S	SeqNo: 2	397939	Units: <b>mg/k</b>	(g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	ND	10										
Motor Oil Range Organics (MRO)	ND	50										
Surr: DNOP	13		10.00		127	55.1	146					
Sample ID: LCS-52675	Samp	Гуре: <b>LC</b>	S	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics			
Client ID: LCSS	Batc	h ID: 52	675	F	RunNo: 69	9153						
Prep Date: 5/26/2020	Analysis [	Date: 5/	27/2020	S	SeqNo: 2	397940	Units: mg/k	(g				
Analyte	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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

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2005968

28-May-20

WO#:

WO#:	2005968

28-May-20

Client: Talo	on Artesia										
Project: Hac	kberry 1H Spill										
Sample ID: mb-52662	SampType: <b>M</b>	IBLK	Tes	tCode: EP	A Method	8015D Mod:	Gasoline I	Range			
Client ID: PBS	Batch ID: 52	2662	R	RunNo: <b>69</b>	123			•			
Prep Date: 5/22/2020	Analysis Date: 5	5/25/2020	S	SeqNo: 23	95271	Units: mg/Kg					
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Gasoline Range Organics (GRO Surr: BFB	D) ND 5.0 520	) 500.0		104	70	130					
Sample ID: Ics-52662	SampType: L	cs	Test	tCode: EP	A Method	8015D Mod:	Gasoline I	Range			
Client ID: LCSS	Batch ID: 52	2662	R	RunNo: <b>69</b>	123						
Prep Date: 5/22/2020	Analysis Date: 5	5/25/2020	S	SeqNo: 23	95272	Units: <b>mg/K</b>	g				
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Gasoline Range Organics (GRO	,		0	86.2	70	130					
Surr: BFB	500	500.0		101	70	130					
Sample ID: 2005968-002	ams SampType: M	IS	Test	tCode: EP	A Method	8015D Mod:	Gasoline I	Range			
Client ID: TT-1 2'	Batch ID: 52	2662	F	RunNo: <b>69</b>	137						
Prep Date: 5/22/2020	Analysis Date: 5	5/25/2020	S	SeqNo: 23	96041	Units: mg/K	g				
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Gasoline Range Organics (GRO			0	80.2	70	130					
Surr: BFB	520	496.0		105	70	130					
Sample ID: 2005968-002	amsd SampType: M	ISD	Test	tCode: EP	A Method	8015D Mod:	Gasoline I	Range			
	campi ype. In										
Client ID: TT-1 2'	Batch ID: 52	2662	R	RunNo: <b>69</b>	137						
Client ID: <b>TT-1 2'</b> Prep Date: <b>5/22/2020</b>				RunNo: <b>69</b> SeqNo: <b>23</b>	-	Units: <b>mg/K</b>	g				
	Batch ID: 52	5/25/2020		SeqNo: 23	-	Units: <b>mg/K</b> HighLimit	g %RPD	RPDLimit	Qual		
Prep Date: 5/22/2020 Analyte Gasoline Range Organics (GR0	Batch ID: 5; Analysis Date: 5 Result PQL	5/25/2020 SPK value 3 24.13	S	SeqNo: 23 %REC 76.0	96042 LowLimit 70	•	•	RPDLimit 20	Qual		
Prep Date: <b>5/22/2020</b> Analyte	Batch ID: 5; Analysis Date: 5 Result PQL	5/25/2020 SPK value	SPK Ref Val	SeqNo: 23 %REC	96042 LowLimit	HighLimit	%RPD		Qual		
Prep Date: 5/22/2020 Analyte Gasoline Range Organics (GR0	Batch ID: <b>5</b> Analysis Date: <b>5</b> <u>Result PQL</u> D) 18 4.8	5/25/2020 SPK value 3 24.13 482.6	SPK Ref Val 0	SeqNo: 23 %REC 76.0 102	96042 LowLimit 70 70	HighLimit 130	%RPD 8.11 0	20 0	Qual		
Prep Date: <b>5/22/2020</b> Analyte Gasoline Range Organics (GRC Surr: BFB	Batch ID: <b>5</b> Analysis Date: <b>5</b> Result PQL D) 18 4.8 490	5/25/2020 SPK value 3 24.13 482.6	S SPK Ref Val 0 Test	SeqNo: 23 %REC 76.0 102	96042 LowLimit 70 70 A Method	HighLimit 130 130	%RPD 8.11 0	20 0	Qual		
Prep Date: 5/22/2020 Analyte Gasoline Range Organics (GRC Surr: BFB Sample ID: mb-52673	Batch ID: 5; Analysis Date: 5 Result PQL D) 18 4.8 490 SampType: M	5/25/2020 SPK value 3 24.13 482.6 IBLK 2673	SPK Ref Val 0 Test	SeqNo: 23 %REC 76.0 102 tCode: EP	96042 LowLimit 70 70 A Method 151	HighLimit 130 130	%RPD 8.11 0 Gasoline I	20 0	Qual		
Prep Date: 5/22/2020 Analyte Gasoline Range Organics (GRC Surr: BFB Sample ID: mb-52673 Client ID: PBS	Batch ID: 52 Analysis Date: 5 Result PQL D) 18 4.8 490 SampType: M Batch ID: 52	5/25/2020 SPK value 3 24.13 482.6 IBLK 2673 5/27/2020	SPK Ref Val 0 Test	SeqNo:         23           %REC         76.0           102         102           tCode:         EP           RunNo:         69           SeqNo:         23	96042 LowLimit 70 70 A Method 151	HighLimit 130 130 8015D Mod:	%RPD 8.11 0 Gasoline I	20 0	Qual		
Prep Date: 5/22/2020 Analyte Gasoline Range Organics (GRC Surr: BFB Sample ID: mb-52673 Client ID: PBS Prep Date: 5/25/2020	Batch ID: 5; Analysis Date: 5 Result PQL D) 18 4.8 490 SampType: M Batch ID: 5; Analysis Date: 5	5/25/2020 SPK value 3 24.13 482.6 IBLK 2673 5/27/2020	SPK Ref Val 0 Tesi R S	SeqNo:         23           %REC         76.0           102         102           tCode:         EP           RunNo:         69           SeqNo:         23	96042 LowLimit 70 70 A Method 151 97031	HighLimit 130 130 8015D Mod: Units: %Red	%RPD 8.11 0 Gasoline I	20 0 Range			
Prep Date: 5/22/2020 Analyte Gasoline Range Organics (GRC Surr: BFB Sample ID: mb-52673 Client ID: PBS Prep Date: 5/25/2020 Analyte	Batch ID: 52 Analysis Date: 5 Result PQL D) 18 4.8 490 SampType: M Batch ID: 52 Analysis Date: 5 Result PQL	5/25/2020 SPK value 3 24.13 482.6 IBLK 2673 5/27/2020 SPK value 500.0	SPK Ref Val 0 Test SPK Ref Val	SeqNo: 23 %REC 76.0 102 tCode: EP RunNo: 69 SeqNo: 23 %REC 97.2	96042 LowLimit 70 70 A Method 151 97031 LowLimit 70	HighLimit 130 130 8015D Mod: Units: %Red HighLimit	%RPD 8.11 0 Gasoline I	20 0 Range RPDLimit			
Prep Date: 5/22/2020 Analyte Gasoline Range Organics (GRC Surr: BFB Sample ID: mb-52673 Client ID: PBS Prep Date: 5/25/2020 Analyte Surr: BFB	Batch ID: 52 Analysis Date: 5 Result PQL D) 18 4.8 490 SampType: M Batch ID: 52 Analysis Date: 5 Result PQL 490	5/25/2020 SPK value 3 24.13 482.6 IBLK 2673 5/27/2020 SPK value 500.0 CS	SPK Ref Val 0 Test SPK Ref Val Test	SeqNo: 23 %REC 76.0 102 tCode: EP RunNo: 69 SeqNo: 23 %REC 97.2	96042 LowLimit 70 70 A Method 151 97031 LowLimit 70 A Method	HighLimit 130 130 8015D Mod: Units: %Red HighLimit 130	%RPD 8.11 0 Gasoline I	20 0 Range RPDLimit			
Prep Date: 5/22/2020 Analyte Gasoline Range Organics (GRC Surr: BFB Sample ID: mb-52673 Client ID: PBS Prep Date: 5/25/2020 Analyte Surr: BFB Sample ID: Ics-52673	Batch ID: 5; Analysis Date: 5 Result PQL D) 18 4.8 490 SampType: M Batch ID: 5; Analysis Date: 5 Result PQL 490 SampType: Li	5/25/2020 SPK value 3 24.13 482.6 IBLK 2673 5/27/2020 SPK value 500.0 CS 2673	SPK Ref Val 0 Test SPK Ref Val Test R	SeqNo: 23           %REC           76.0           102           tCode: EP           RunNo: 69           SeqNo: 23           %REC           97.2           tCode: EP	96042 LowLimit 70 70 A Method 151 97031 LowLimit 70 A Method 151	HighLimit 130 130 8015D Mod: Units: %Red HighLimit 130	%RPD 8.11 0 Gasoline I %RPD Gasoline I	20 0 Range RPDLimit			
Prep Date: 5/22/2020 Analyte Gasoline Range Organics (GRC Surr: BFB Sample ID: mb-52673 Client ID: PBS Prep Date: 5/25/2020 Analyte Surr: BFB Sample ID: Ics-52673 Client ID: LCSS	Batch ID: 52 Analysis Date: 5 Result PQL D) 18 4.8 490 SampType: M Batch ID: 52 Analysis Date: 5 Result PQL 490 SampType: Li Batch ID: 52	5/25/2020 SPK value 3 24.13 482.6 IBLK 2673 5/27/2020 SPK value 500.0 CS 2673 5/27/2020	SPK Ref Val 0 Test SPK Ref Val Test R	SeqNo: 23           %REC           76.0           102           tCode: EP           RunNo: 69           SeqNo: 23           %REC           97.2           tCode: EP           RunNo: 69           SeqNo: 23           %REC           97.2           tCode: EP           RunNo: 69           SeqNo: 23	96042 LowLimit 70 70 A Method 151 97031 LowLimit 70 A Method 151	HighLimit 130 130 8015D Mod: Units: %Red HighLimit 130 8015D Mod:	%RPD 8.11 0 Gasoline I %RPD Gasoline I	20 0 Range RPDLimit			

Qualifiers:

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

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

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

RL Reporting Limit

Received	by	<b>OCD</b> :	10/21/2	2020	10:38:48 A	4 <i>M</i>
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Client Name:       TALON ARTESIA       Work Order Number: 2005968       RcptNo: 1         Received By:       Isalah Ortiz       5/21/2020 9:00:00 AM       I < O/A         Completed By:       Isalah Ortiz       5/22/2020 11:34:37 AM       I < O/A         Reviewed By:       I       I < O/A       I < O/A         Chain of Custody       I < O/A       I < O/A         1. Is Chain of Custody complete?       Yes       No       Not Present         2. How was the sample delivered?       Courier       I < O/A         4. Were all samples received at a temperature of >0° C to 6.0°C       Yes       No       NA         5. Sample(s) in proper container(s)?       Yes       No       NA       I         7. Are samples (except VOA and ONG) properly preserved?       Yes       No       NA       I         9. Received at least 1 via with headspace <1/4° for AQ VOA?       Yes       No       NA       I         9. Received at least 1 via with headspace <1/4° for AQ VOA?       Yes       No       NA       I         10. Were any sample containers received broken?       Yes       No       I       Adjusted?         12. Are matices correctly identified on Chain of Custody?       Yes       No       I       Adjusted?         13. Is iclear what analyses w	ANAL	RONMENTAL YSIS RATORY		TEL: 505-345-3	ntal Analysis Labord 4901 Hawkin Albuquerque, NM 8 975 FAX: 505-345- w.hallenvironmental	<sup>7109</sup> San	nple Log-In Che	eck List
Reviewed By:       J       J         Chain of Custody       1. is Chain of Custody complete?       Yes       No       Not Present         2. How was the sample delivered?       Courier         Loa In       3. Was an attempt made to cool the samples?       Yes       No       NA         3. Was an attempt made to cool the samples?       Yes       No       NA         4. Were all samples received at a temperature of >0° C to 6.0°C       Yes       No       NA         5. Sample(s) in proper container(s)?       Yes       No       NA         6. Sufficient sample volume for indicated test(s)?       Yes       No       NA         7. Are samples (except VOA and ONG) properly preserved?       Yes       No       NA         9. Received at least 1 viai with headspace <1/4" for AQ VOA?	Client Name:	TALON ARTES	SIA	Work Order Num	ber: 2005968		RcptNo: 1	
Reviewed By:       J       J         Chain of Custody       1. is Chain of Custody complete?       Yes       No       Not Present         2. How was the sample delivered?       Courier         Loa In       3. Was an attempt made to cool the samples?       Yes       No       NA         3. Was an attempt made to cool the samples?       Yes       No       NA         4. Were all samples received at a temperature of >0° C to 6.0°C       Yes       No       NA         5. Sample(s) in proper container(s)?       Yes       No       NA         6. Sufficient sample volume for indicated test(s)?       Yes       No       NA         7. Are samples (except VOA and ONG) properly preserved?       Yes       No       NA         9. Received at least 1 viai with headspace <1/4" for AQ VOA?	Received By:	Isaiah Ortiz		5/21/2020 9:00:00	АМ	ILC	X	
1. Is Chain of Custody complete?       Yes       No       Not Present         2. How was the sample delivered?       Courier <b>Log In</b>		Isaiah Ortiz		5/22/2020 11:34:37 5/270	7 AM	ILC	24	
2. How was the sample delivered?       Courier         Loa In	12 67 Contre 27 contre							
Log In         3. Was an attempt made to cool the samples?       Yes       No       NA         4. Were all samples received at a temperature of >0° C to 6.0°C       Yes       No       NA         5. Sample(s) in proper container(s)?       Yes       No       NA         6. Sufficient sample volume for indicated test(s)?       Yes       No       NA         7. Are samples (except VOA and ONG) properly preserved?       Yes       No       NA         9. Received at least 1 vial with headspace <1/4" for AQ VOA?						No 🗔	Not Present 🗔	
3. Was an attempt made to cool the samples?       Yes       No       NA         4. Were all samples received at a temperature of >0° C to 6.0°C       Yes       No       NA         5. Sample(s) in proper container(s)?       Yes       No       NA         6. Sufficient sample volume for indicated test(s)?       Yes       No       NA         7. Are samples (except VOA and ONG) properly preserved?       Yes       No       NA         8. Was preservative added to bottles?       Yes       No       NA         9. Received at least 1 vial with headspace <1/4" for AQ VOA?	2. How was the	sample delivered	1?		Courier			
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   9. Received at least 1 vial with headspace <1/4" for AQ VOA?	and the second sec	npt made to cool	the samples?		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   9. Received at least 1 vial with headspace <1/4" for AQ VOA?	4. Were all sam	ples received at a	a temperature o	of >0° C to 6.0°C	Yes 🗹	No 🗌		
7. Are samples (except VOA and ONG) properly preserved? Yes No   8. Was preservative added to bottles? Yes No   9. Received at least 1 vial with headspace <1/4" for AQ VOA?	5. Sample(s) in	proper container	(s)?		Yes 🗹	No 🗌		
8. Was preservative added to bottles? Yes No NA   9. Received at least 1 vial with headspace <1/4" for AQ VOA?	6. Sufficient sam	nple volume for in	idicated test(s)	?	Yes 🗹	No 🗌		
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	7. Are samples (	(except VOA and	ONG) properly	preserved?	Yes 🗹	No 🗌		
10. Were any sample containers received broken?       Yes       No       # of preserved bottles checked for pH:         11. Does paperwork match bottle labels?       Yes       No       # of preserved bottles checked for pH:         (Note discrepancies on chain of custody)       12. Are matrices correctly identified on Chain of Custody?       Yes       No       Adjusted?         13. Is it clear what analyses were requested?       Yes       No       Adjusted?         14. Were all holding times able to be met?       Yes       No       Checked by: <u>Je S / 2z / 2</u> 15. Was client notified of all discrepancies with this order?       Yes       No       NA         Person Notified:       Date:	8. Was preserva	ative added to bot	ttles?		Yes 🗌	No 🗹	NA 🗌	
11. Does paperwork match bottle labels?       Yes       ✓       No         11. Does paperwork match bottle labels?       Yes       ✓       No         (Note discrepancies on chain of custody)       Yes       ✓       No       Adjusted?         12. Are matrices correctly identified on Chain of Custody?       Yes       ✓       No       Adjusted?         13. Is it clear what analyses were requested?       Yes       ✓       No       Adjusted?         14. Were all holding times able to be met?       Yes       ✓       No       Checked by: <u>JR 5 / 22 / 2</u> 15. Was client notified of all discrepancies with this order?       Yes       No       NA       ✓         Person Notified:	9. Received at le	east 1 vial with he	eadspace <1/4	for AQ VOA?	Yes 🗌	No 🗌	NA 🗹	
11. Does paperwork match bottle labels? Yes No   (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? Yes No   (If no, notify customer for authorization.) Yes No   Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes No No Na Person Notified: By Whom: Client Instructions: 16. Additional remarks: 17. Cooler Information	10. Were any sar	mple containers r	eceived broker	1?	Yes	No 🗹		
12. Are matrices correctly identified on Chain of Custody?       Yes ♥       No       Adjusted?         13. Is it clear what analyses were requested?       Yes ♥       No       Checked by: SR S R S R S R S R S R S R S R S R S R					Yes 🔽	No 🗌	bottles checked for pH:	2 unless noted)
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.)    Special Handling (if applicable)  15. Was client notified of all discrepancies with this order? Yes No □ NA ♥ Person Notified: By Whom: Client Instructions: Client Instructions: 16. Additional remarks: 17. Cooler Information				Custody?	Yes 🗹	No 🗌	Adjusted?	
If no notify customer for authorization.)         Special Handling (if applicable)         15. Was client notified:       Date:         Person Notified:       Date:         By Whom:       Via:         Client Instructions:         16. Additional remarks:         17. Cooler Information						No 🗌		
15. Was client notified of all discrepancies with this order?       Yes       No       NA         Person Notified:       Date:		• • • • • • • • • • • • • • • • • • • •			Yes 🗹	No 🗌	Checked by:	5/22/20
Person Notified:       Date:         By Whom:       Via:         Regarding:       Client Instructions:         16. Additional remarks:         17. Cooler Information	Special Hand	ling (if applic	able)					
By Whom:       Via:       eMail       Phone       Fax       In Person         Regarding:	15. Was client no	otified of all discre	epancies with t	his order?	Yes 🗌	No 🗌	NA 🗹	
Regarding:	Person	Notified:		Date	ə:			
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16. Additional remarks: 17. <u>Cooler Information</u>	Regard	ding:						
17. <u>Cooler Information</u>	Client I	Instructions:						
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Chain-of-Custody Record <sup>t:</sup> Talon IPE <sup>ng Address: 408 W Texas Ave <i>rtes ia , M M 88210</i> e #: 575-746-8768</sup>	te <u>pe</u> )	5	Time: Relinquished by: Time: Relinquished by: Via: Time: Relinquished by: Via: AUM COLVER
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Client: T	alon Artesia									
Project: H	lackberry 26 Batter	ry								
Sample ID: LCS-5240	06 SampT	ype: LC	S	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: LCSS	Batch	Batch ID: 52406 RunNo: 68810				8810				
Prep Date: 5/12/202	<b>0</b> Analysis D	ate: 5/	12/2020	S	SeqNo: 2	381390	Units: <b>mg/K</b>	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DR	.0) 49	10	50.00	0	98.9	70	130			
Surr: DNOP	4.0		5.000		79.8	55.1	146			
Sample ID: MB-5240	6 SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Batch	ID: 52	406	F	RunNo: 6	8810				
Prep Date: 5/12/202	<b>0</b> Analysis D	ate: 5/	12/2020	S	SeqNo: 2	381391	Units: <b>mg/K</b>	ſg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DR	.0) 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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

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WO#: 2005438 13-May-20

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	WO#:	2005438
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13-May-20

	alon Artesia ackberry 26										
Sample ID: mb1		SampTyp	e: ME	BLK	Tes	tCode: El	PA Method	8015D Mod:	Gasoline	Range	
Client ID: PBS		Batch II	D: G6	8840	F	RunNo: 6	8840				
Prep Date:	Ana	alysis Date	e: <b>5/</b>	12/2020	S	SeqNo: 2	382824	Units: <b>mg/l</b>	٢g		
Analyte	R	esult	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (G Surr: BFB	GRO)	ND 460	5.0	500.0		92.4	70	130			
Sample ID: 2.5ug gro	lcs	SampTyp	e: LC	s	Tes	tCode: El	PA Method	8015D Mod:	Gasoline	Range	
Client ID: LCSS		Batch II	D: G6	8840	F	RunNo: 6	8840				
Prep Date:	Ana	alysis Date	e: <b>5/</b>	12/2020	S	SeqNo: 2	382825	Units: <b>mg/l</b>	۲g		
Analyte	R	esult	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (G	GRO)	21	5.0	25.00	0	84.8	70	130			
Surr: BFB		480		500.0		95.5	70	130			
Sample ID: 2005438-0	01ams	SampTyp	e: MS	3	Tes	tCode: El	PA Method	8015D Mod:	Gasoline	Range	
Client ID: S-1 S SW	0.5'	Batch II	D: G6	8840	F	RunNo: 6	8840				
Prep Date:	Ana	alysis Date	e: <b>5/</b>	12/2020	5	SeqNo: 2	382831	Units: <b>mg/l</b>	٢g		
Analyte	R	esult	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (G	GRO)	24	4.7	23.32	0	102	70	130			
Surr: BFB		440		466.4		94.5	70	130			
Sample ID: 2005438-0	01amsd	SampTyp	e: MS	SD	Tes	tCode: El	PA Method	8015D Mod:	Gasoline	Range	
Client ID: S-1 S SW	0.5'	Batch II	D: G6	8840	F	RunNo: 6	8840				
Prep Date:	Ana	alysis Date	e: <b>5/</b>	12/2020	5	SeqNo: 2	382832	Units: <b>mg/l</b>	٢g		
Analyte	R	esult	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (G	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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

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ENVIRONMENTAL ANALYSIS LABORATORY	TEL: 505-34.	mental Analysis Labora 4901 Hawkin Albuquerque, NM 83 5-3975 FAX: 505-345-4 ww.hallenvironmental.	s NE 7109 <b>Sam</b> 4107	ple Log-In Che	Page 92 eck List
Client Name: TALON ARTES	A Work Order Nu	umber: 2005438		RcptNo: 1	
Received By: Isaiah Ortiz	5/12/2020 9:20:0	00 AM	I_0,	X	
Completed By: Desiree Domin	guez 5/12/2020 9:22:4	2 AM	TPS		
Reviewed By: JR SII	2/20				
Chain of Custody					
1. Is Chain of Custody complete?		Yes 🖌	No 🗌	Not Present	
2. How was the sample delivered?	2	Courier			
<u>Log In</u>					
3. Was an attempt made to cool the	ne samples?	Yes 🔽	No 🗌	NA 🗌	
4. Were all samples received at a	temperature of >0° C to 6.0°C	Yes 🗹	No 🗌		
5. Sample(s) in proper container(s	)?	Yes 🗹	No 🗌		
6. Sufficient sample volume for ind	icated test(s)?	Yes 🗸	No 🗌		
7. Are samples (except VOA and C	NG) properly preserved?	Yes 🗹	No 🗌		
8. Was preservative added to bottl	es?	Yes	No 🗹	NA 🗌	
9. Received at least 1 vial with hea	dspace <1/4" for AQ VOA?	Yes	No 🗌	NA 🗹	/
10. Were any sample containers re-	ceived broken?	Yes	No 🗹		/
11.Does paperwork match bottle la	pels?	Yes 🔽	_	# of preserved bottles checked for pH:	
(Note discrepancies on chain of	15.20				2 unless noted)
12. Are matrices correctly identified		Yes 🗹	No 🗌	Adjusted?	
13. Is it clear what analyses were re		Yes 🗹	No 🗌	Checked by: EW	1 Elin In
<ol> <li>Were all holding times able to be (If no, notify customer for author</li> </ol>		Yes 🗹	No 🗌	Checked by: CVV	5/14/20
Special Handling (if applica	ble)			1	
15. Was client notified of all discrep		Yes	No 🗌	NA 🗹	
Person Notified:	Da	te <sup>.</sup>	Anna an		
By Whom:	Via	·	hone 🗌 Fax 🏾	In Person	
Regarding:					
Client Instructions:					
16. Additional remarks:					
17. <u>Cooler Information</u>	t man i di sa montrare minimum	p toga v para terrar			

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.1	Good	Not Present			
2	1.2	Good	Not Present			

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HALL ENVIRONMENTAL ANALVSIS LABORATORV www.hallenvironmental.com kins NE - Albuquerque, NM 87109 345-3975 Fax 505-345-4107 Analysis Reducer		د
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4901 Hawkins NE	EDB (Method 504.1) EDB (Method 504.1)	marks: Please co Padkins@talonlpe.com
	ВТЕХ / МТВЕ / ТМВ's (8021) ВТЕХ / МТВЕ / ТМВ's (8021)	Remarks: Poadkins Rpons@
Rush 24-hr 26 Battery	Sinclair ENO 1 2-0 (cr) 1.2-5 1,1 - 0 (cr) 1.1 -	$\begin{array}{c c c c c c c c c c c c c c c c c c c $
Turn-Around Time:		
	05 4 (Full Validation)	14:08       50:1       5-1       5 SW 0.5       402         14:14       5-2       5 SW 0.5       90         14:14       5-3       W SW 0.5       90         14:14       5-3       W SW 0.5       90         14:14       5-3       W SW 0.5       90         14:24       5-5       N SW 0.5       90         14:24       5-5       N SW 0.5       90         14:24       5-5       SW 0.5       90         14:24       5-5       SW 0.5       1         14:28       5-7       E       SW 0.5       1         120       W       Substantion       1       Received         120       W       Substantion       1       1         120       W       Substantion       1       1         120       W       Substantion       1       1       1         120       W       Substantion       1       1 <t< td=""></t<>
Chain-of-Custody Record <sup>t:</sup> Talon LPE 408 W Texas St ng Address: Artesia, NM 88210	(575) 7 Az Con	8     50;     5-1       8     50;     5-2       8     5-3     1       9     5-5     1       8     5-5     1       8     5-5     1       8     5-5     1       8     5-5     1       8     5-5     1       8     5-5     1       8     5-5     1       8     5-5     1       8     8     1       8     8     1       8     8     1       9     8     1       10     8     1       11     1     1       12     1     1       13     1     1       14     1     1       15     1     1       16     1     1       17     1     1       18     1     1       15     1     1       16     1     1       17     1     1       18     1     1       19     1     1       10     1     1       11     1     1       12     1       13     1 </td
Client: Talon L Glient: Talon L 408 W 7 Mailing Address:	email or Fax#: 0.A/0.C Package: D Standard Accreditation: D NELAC D EDD (Type). Date	5-8-2014:08 14:11 14:14 14:24 14:24 14:24 14:28 14:28 14:28 Date: Time: Date: Time:

. Released to Imaging: 1/19/2021 11:17:01 AM



July 06, 2020

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

RE: Hackberry 26 CTB 1

OrderNo.: 2007003

Hall Environmental Analysis Laboratory

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

Website: clients.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Gasoline Range Organics (GRO)

Surr: BFB

**Analytical Report** 

7/1/2020 3:13:33 PM

7/1/2020 3:13:33 PM

G70053

G70053

Hall Environmental Analysis	Laboratory,	Inc.			Lab Order <b>2007003</b> Date Reported: <b>7/6/202</b>	20		
CLIENT: Talon Artesia		Clien	t Sample II	<b>):</b> S-2	2 & S3 SW Composite	2		
Project: Hackberry 26 CTB 1	Col	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 Q	ual Units	DF	Date Analyzed	Batch		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: 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		
EPA METHOD 8015D: GASOLINE RANG	E				Analys	t: NSB		

ND

98.6

3.9

66.6-105

mg/Kg

%Rec

1

1

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

Qualifiers:

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

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

Page 1 of 3

.

Client:Talon AProject:Hackber	Artesia erry 26 CTB 1	1								
Sample ID: <b>MB-53449</b>	SampTy						8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch	ID: 534	ID: 53449 RunNo: 70058							
Prep Date: 7/1/2020	Analysis Da	ate: 7/	1/2020	S	SeqNo: 24	134178	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		106	55.1	146			
Sample ID: LCS-53449	SampTy	ype: LC	S	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch	ID: 534	449	F	RunNo: <b>7(</b>	0058				
Prep Date: 7/1/2020	Analysis Da	ate: <b>7/</b>	1/2020	S	SeqNo: 24	134179	Units: mg/K	g		
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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

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2007003

06-Jul-20

WO#:

	Artesia perry 26 CTB	1								
Sample ID: mb1	Samp	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8015D: Gasc	line Rang	e	
Client ID: PBS	Batc	ch ID: <b>G70053</b> RunNo: <b>70053</b>								
Prep Date:	Analysis [	Date: <b>7/</b>	1/2020	S	SeqNo: 24	434081	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		101	66.6	105			
Sample ID: 2.5ug gro Ics	Samp	Гуре: <b>LC</b>	S	Tes	tCode: EF	PA Method	8015D: Gasc	line Rang	e	
Client ID: LCSS	Batc	h ID: <b>G7</b>	0053	F	RunNo: 7	0053				
Prep Date:	Analysis [	Date: <b>7/</b>	1/2020	S	SeqNo: 24	434082	Units: mg/K	g		
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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

WO#: 2007003 06-Jul-20

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmenta Alb TEL: 505-345-397. Website: clients.hu	490 ouquerq 5 FAX:	01 Hawki 1ue, NM 6 505-345	ns NE 87109 <b>Sa</b> -4107	Sample Log-In Check List					
Client Name: Talon Artesia	Work Order Number	: 200	7003		Rcpt	No: 1				
Received By: Juan Rojas Completed By: Juan Rojas	7/1/2020 9:20:00 AM 7/1/2020 10:25:16 AN	1		Hearing Hearing	<del>9</del>					
Reviewed By:										
<ul><li><u>Chain of Custody</u></li><li>1. Is Chain of Custody complete?</li><li>2. How was the sample delivered?</li></ul>		Yes <u>Cou</u> i		No 🗌	Not Present					
Log In 3. Was an attempt made to cool the samples?		Yes	✓	No 🗌	] NA [					
4. Were all samples received at a temperature	of >0° C to 6.0°C	Yes	<b>V</b>	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) proper	y preserved?	Yes	$\checkmark$	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 🗸	I				
10. Were any sample containers received broke	n?	Yes		No 🔽	# of preserved					
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes	✓	No 🗌	bottles checked for pH:	e or >12 unless noted)				
12. Are matrices correctly identified on Chain of	Custody?	Yes	<b>~</b>	No 🗌	Adjusted?					
13. Is it clear what analyses were requested?		Yes	$\checkmark$	No 🗌						
<ol> <li>Were all holding times able to be met? (If no, notify customer for authorization.)</li> </ol>		Yes		No 🗌	Checked by:	SPA 7.1.20				
Special Handling (if applicable)										
15. Was client notified of all discrepancies with t	his order?	Yes		No 🗌	NA 🗹	]				
Person Notified:	Date				Ī					
By Whom:	Via:	eMa	uil 🗌 F	hone 🗌 Fa	x					
Regarding:		nut Ante-								
Client Instructions:										
16. Additional remarks:										
17. <u>Cooler Information</u>										
	al Intact Seal No S	eal Da	te	Signed By						

Page 1 of 1

WW CCD.	: 10/23	[/2020	10.		40 /1//I			_					 		 1		rugo
HALL ENVIRONMENTAL	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 8/109 Tel. 505-345-3975 Fax 505-345-4107	Analysis Request	*OS	аго / мг 2 PCB's 2 PO4, 3 ,404 2 ,404	2808/a (1.403 258 ro 25 250 ru 25 20N ru 25 20N ru 25 20N ru 25 20N ru 25 20N ru 25 20N ru 25 20 20 20 20 20 20 20 20 20 20 20 20 20	cide 310 6tals 100 310 6tals (1-VC	Pestic (Meth 5 by 8 8 M 8 M 8 M 8 7 (VOA AOV)	8081 8250 8260 61, F, 7, 8260 8260						Remarks: Di	Dadkins@talonlpe.com Rpons@talonlpe.com	)
Turn-Around Time:		Project #:	701901 . 088.01		Deprese (PINS) 2'5 (802	PM15 Ves DNo	olers: 7	N	Container Preservative HEAL No. 世 Type and # Type 7007003 座	The tes Tool					Received hur Via Date Time Rem	MMM - 10/20/20 1305	70 9:20
Client: Talon LPE	408 W Texas St	Artesia, NM 88210	Phone #:	email or Fax#: (575) 746-8905	QA/QC Package:	Accreditation:	/pe)_		Date Time Matrix Sample Name	6/20 120 5-2 35.5 W Comp				•	1	0 /150	Date: Itme: Reinquished by:



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:

OrderNo.: 2007D62

**RE:** ER S Hackberry

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

**Analytical Report** 

Lab Order 2007D62

Date Reported: 8/6/2020

CLIENT: Talon Artesia	Client Sample ID: BG-East									
<b>Project:</b> ER S Hackberry	<b>Collection Date:</b> 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				
EPA METHOD 300.0: ANIONS					Analyst:	CJS				
Chloride	200	60	mg/Kg	20	7/30/2020 7:45:10 PM	54068				
EPA METHOD 8015M/D: DIESEL RANGE	EORGANICS				Analyst	BRM				
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				
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	RAA				
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.

**Qualifiers:** 

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

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

Page 1 of 6

**Analytical Report** 

Lab Order 2007D62

Date Reported: 8/6/2020

CLIENT: Talon Artesia		C	ient Sample II	<b>D:</b> BC	G-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					
EPA METHOD 300.0: ANIONS					Analyst	CJS					
Chloride	160	60	mg/Kg	20	7/30/2020 7:57:35 PM	54068					
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				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					
EPA METHOD 8015D: GASOLINE RANGE	E				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.

**Qualifiers:** 

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

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

Page 2 of 6

**Analytical Report** Lab Order 2007D62

Date Reported: 8/6/2020

CLIENT: Talon Artesia	Client Sample ID: BG-West Collection Date: 7/27/2020 10:20:00 AM										
Project: ER S Hackberry											
Lab ID: 2007D62-003	Matrix: SOIL		Received Date: 7/28/2020 11:25:00 AM								
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch					
EPA METHOD 300.0: ANIONS					Analyst	: ЈМТ					
Chloride	120	60	mg/Kg	20	7/30/2020 11:31:16 PM	54076					
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				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					
EPA METHOD 8015D: GASOLINE RANG	E				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.

**Qualifiers:** 

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

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

Page 3 of 6

Client:	Talon A	Artesia								
Project:	ER S H	ackberry								
Sample ID:	MB-54076	SampType: <b>mblk</b>		TestCo	ode: EPA I	Method	300.0: Anions			
Client ID:	PBS	Batch ID: 54076		Run	3					
Prep Date:	7/30/2020	Analysis Date: 7/30/2	020	Sec	No: 2461	887	Units: mg/Kg			
Analyte Chloride		Result PQL SP ND 1.5	'K value SPK	KRef Val 🦻	6REC Lo	owLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID:	LCS-54076	SampType: <b>Ics</b>		TestCo	ode: EPA I	Method 3	300.0: Anions			
Client ID:	LCSS	Batch ID: 54076		Rur	No: 7074	3				
Prep Date:	7/30/2020	Analysis Date: 7/30/2	020	Sec	No: 2461	888	Units: mg/Kg			
Analyte		Result PQL SP	K value SPK	Ref Val 🦻	6REC Lo	owLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.5	15.00	0	91.6	90	110			
Sample ID:	MB-54068	SampType: <b>mblk</b>		TestCo	ode: EPA I	Method 3	300.0: Anions			
Client ID:	PBS	Batch ID: 54068		Run	No: 7074	5				
Prep Date:	7/30/2020	Analysis Date: 7/30/2	020	Sec	No: 2461	989	Units: mg/Kg	l		
Analyte		Result PQL SP	K value SPK	KRef Val 🦻	REC Lo	wLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1.5								
Sample ID:	LCS-54068	SampType: Ics		TestCo	ode: EPA I	Method 3	300.0: Anions			
Client ID:	LCSS	Batch ID: 54068		Rur	No: 7074	5				
Prep Date:	7/30/2020	Analysis Date: 7/30/2	020	Sec	No: 2461	990	Units: mg/Kg	l		
Analyte		Result PQL SP	PK value SPK	Ref Val 🦻	REC Lo	owLimit	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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

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2007D62

06-Aug-20

WO#:

	Artesia Hackberry										
Sample ID: LCS-54031	SampTy	pe: <b>LC</b>	s	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics		
Client ID: LCSS	Batch	Batch ID: 54031			RunNo: 70721						
Prep Date: 7/29/2020	Analysis Da	ite: 7/	30/2020	S	SeqNo: 24	462396	Units: mg/K	g			
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: MB-54031	SampTy	pe: <b>ME</b>	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics		
Client ID: PBS	Batch	ID: <b>54</b>	031	F	RunNo: 7	0721					
Prep Date: 7/29/2020	Analysis Da	ite: 7/	30/2020	S	SeqNo: 24	462397	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	ND	10									
Motor Oil Range Organics (MRO)	ND	50									
Surr: DNOP	9.4		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 Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

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

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WO#: 2007D62

06-Aug-20

Client:Talon AProject:ER S H	Artesia Iackberry										
Sample ID: Ics-54029	SampType:	LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID:	F	RunNo: <b>7(</b>	0748							
Prep Date: <b>7/29/2020</b>	Analysis Date:	7/30/2020	SeqNo: 2462199			Units: <b>mg/Kg</b>					
Analyte	Result PC	QL 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: mb-54029	SampType:	MBLK	Tes	tCode: EF	PA Method	8015D: Gasol	ine Rang	e			
Client ID: PBS	Batch ID:	54029	F	RunNo: <b>7(</b>	)748						
Prep Date: 7/29/2020	Analysis Date:	7/30/2020	S	SeqNo: 24	462201	Units: mg/K	g				
Analyte	Result PC	QL 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					

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

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

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WO#:	2007D62	

06-Aug-20

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HALL ENVIRONMENTAL ANALYSIS LABORATORY			TEL	l Environme .: 505-345-: ebsite: clien	490 Albuquerq 3975 FAX:	)1 Haw Jue, NM 505-34	kins NE 4 87109 15-4107	Sample Log-In Check List								
Client Name:	Talon Arte	sia	Work	Order Num	nber: 2001	7D62	i.	RcptNo: 1								
Received By:	Juan Roj	35	7/28/202	20 11:25:0	0 AM		4u	un Sy								
Completed By:	Juan Roj	as	7/28/202	20 11:47:4	5 AM		44	an a y	are ***							
Reviewed By:	4		7/28/0	20												
<u>Chain of Cus</u>	<u>stody</u>															
1. Is Chain of C	ustody comp			Yes	$\checkmark$	1	lo 🗌	Not Present								
2. How was the	sample deli			<u>Cou</u>	<u>rier</u>											
<u>Log In</u> 3. Was an atten	npt made to	cool the samples?	?		Yes		Ν	lo 🗌								
4. Were all sam	ples received	l at a temperature	eof>0°Ct	o 6.0°C	Yes		Ν	lo 🗌								
5. Sample(s) in	proper conta	iner(s)?			Yes		Ν	lo 🗌								
6. Sufficient sam	ple volume	or indicated test(	s)?		Yes	✓	N	•								
7. Are samples (	(except VOA	and ONG) proper	rly preserve	d?	Yes	$\checkmark$	N	o 🗌								
8. Was preserva	tive added to	bottles?			Yes		N	o 🔽	NA 🗌							
9. Received at le	east 1 vial wi	h headspace <1/	4" for AQ V	OA?	Yes		N	o 🗌	NA 🗹							
10. Were any sar				Yes		Ν	lo 🔽									
11. Does paperwo				Yes		N	o 🗌	# of preserved bottles checked for pH:	12 unless noted)							
(Note discrepa 12. Are matrices of		Custody?		Yes		N	•	Adjusted?								
13. Is it clear what		Yes		N	_											
14. Were all holdi (If no, notify c			Yes		N	_	Checked by:	mc These								
Special Handl	ing (if ap	olicable)														
15. Was client no	otified of all d	iscrepancies with	this order?		Yes		Ν	lo 🗌	NA 🔽							
Person	Notified:			Date						]						
By Whom:			🗌 eMa	🗌 eMail 🔄 P		Fax	ln Person									
Regard	ing:															
Client I	nstructions:			······································		*****										
16. Additional re	marks:	***								-						
17. <u>Cooler infor</u>	mation															
Cooler No	Temp °C		eal Intact	Seal No	Seal D	ate	Signe	d By								
1	1.0	Good														

Page 1 of 1 . Released to Imaging: 1/19/2021 11:17:01 AM

HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107	ysis Requ		9, t¢Oq ;	, NO <sub>2</sub>	י-אכ י) אסיי	Br, I MOA me2	RCRA () F, 8260 ( 8270 ( 10tal C			7					arks: Please cc the following via email: Dadkins@talonlpe.com	e.com pe.com
	4901 Hawkins NE Tel. 505-345-3975		(O)		50 / DF 5808/s (1.401)	HĐ)( Əbic	rin V detio detio	хэта 8081 P 8081 P 8081 P	, ``		2			 		Remarks: Please Dadkins@talonl	Rpons@talonlpe.com Bsinclair@talonlpe.com
Time: 2/10uy	don K baary.	088.01	ger:	S	Russen INO		<u>1.0-1</u>	Preservative Type	190- 1005		-C003					Via: Date Time	Via: Date Time
Turn-Around Time: Ty Standard C Project Name:	Project #	106701	Project Manager:	Rebecca Pons	Sampler.	# of Coolers.	Cooler Temponuting CE)	Container Type and #		2	>					Received by	Manda M
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:	□ Az Cor □ Other	□ EDD (Type)		Date Time Matrix Sample Name	140 V	e1,00/	0 16-					Date: Time: Relinquished by:	

Received by OCD: 10/21/2020 10:38:48 AM


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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Surr: 1,2-Dichloroethane-d4

Surr: 4-Bromofluorobenzene

Surr: Dibromofluoromethane

Surr: Toluene-d8

**Analytical Report** Lab Order 2010116

Date Reported: 10/8/2020

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: Project:	Talon Artesia ERTS Hackberry Rhs Spill	(Hackberry)		2' /1/2020 10:30:00 AM							
Lab ID:	2010116-001	Matrix:	SOIL	IL Received Date: 10/2/2020 8:00:00 AM							
Analyses		R	esult	RL	Qual	Units	DF	Date Analyzed	Batch		
EPA MET	HOD 300.0: ANIONS							Analyst	JMT		
Chloride			ND	60		mg/Kg	20	10/7/2020 8:37:47 PM	55707		
EPA MET	HOD 8015D MOD: GASOLI	NE RANGE						Analyst	JMR		
Gasoline	Range Organics (GRO)		ND	4.9		mg/Kg	1	10/5/2020 7:52:11 PM	55620		
Surr: B	FB		103	70-130		%Rec	1	10/5/2020 7:52:11 PM	55620		
EPA MET	HOD 8015M/D: DIESEL RA	NGE ORGANIC	S					Analyst	mb		
Diesel Ra	inge 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: D	NOP		89.3	30.4-154		%Rec	1	10/5/2020 12:08:47 PM	55626		
EPA MET	HOD 8260B: VOLATILES S	HORT LIST						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		
Ethylbenz	zene		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		

94.8

103

108

103

70-130

70-130

70-130

70-130

%Rec

%Rec

%Rec

%Rec

1

1

1

1

10/5/2020 7:52:11 PM

10/5/2020 7:52:11 PM

10/5/2020 7:52:11 PM

10/5/2020 7:52:11 PM

55620

55620

55620

55620

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

**Qualifiers:** 

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

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

Page 1 of 12

Surr: Toluene-d8

Analytical Report Lab Order 2010116

Date Reported: 10/8/2020

### Hall Environmental Analysis Laboratory, Inc.

					Bate Reported. 10/0/20	•			
CLIENT: Talon Artesia Project: ERTS Hackberry Rhs Spill	(Hackberry)		ient Sample II Collection Dat		2' /1/2020 10:40:00 AM				
Lab ID: 2010116-002	Matrix: SOIL	<b>Received Date:</b> 10/2/2020 8:00:00 AM							
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst	: JMT			
Chloride	ND	60	mg/Kg	20	10/7/2020 9:15:00 PM	55707			
EPA METHOD 8015D MOD: GASOLI	NE RANGE				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			
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				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			
EPA METHOD 8260B: VOLATILES S	HORT LIST				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			

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.

Qualifiers:

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

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

Page 2 of 12

Surr: 4-Bromofluorobenzene

Surr: Dibromofluoromethane

Surr: Toluene-d8

**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)	berry) Collection Date: 10/1/2020 10:50:00 AM								
Lab ID:	2010116-003	Matrix: SOIL	Matrix: SOIL         Received Date: 10/2/2020 8:00:00 AM								
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA MET	HOD 300.0: ANIONS					Analyst	: JMT				
Chloride		ND	60	mg/Kg	20	10/7/2020 9:27:24 PM	55707				
EPA MET	HOD 8015D MOD: GASOLI	NE RANGE				Analyst	: JMR				
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	10/5/2020 8:49:10 PM	55620				
Surr: E	3FB	104	70-130	%Rec	1	10/5/2020 8:49:10 PM	55620				
EPA MET	HOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst	: mb				
Diesel R	ange Organics (DRO)	ND	9.8	mg/Kg	1	10/5/2020 12:28:13 PM	55626				
Motor Oi	I 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				
EPA MET	HOD 8260B: VOLATILES S	HORT LIST				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				
Ethylben	zene	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	1,2-Dichloroethane-d4	100	70-130	%Rec	1	10/5/2020 8:49:10 PM	55620				

109

106

101

70-130

70-130

70-130

%Rec

%Rec

%Rec

1

1

1

10/5/2020 8:49:10 PM

10/5/2020 8:49:10 PM

10/5/2020 8:49:10 PM

55620

55620

55620

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

**Qualifiers:** 

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

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

Page 3 of 12

Xylenes, Total

Surr: 1,2-Dichloroethane-d4 Surr: 4-Bromofluorobenzene

Surr: Dibromofluoromethane

Surr: Toluene-d8

**Analytical Report** Lab Order 2010116

Date Reported: 10/8/2020

10/5/2020 9:17:38 PM

55620

55620

55620

55620

55620

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT:	Talon Artesia		Cl	ient Sample II	<b>D:</b> S4	- 2'				
Project:	ERTS Hackberry Rhs Spill (	(Hackberry)	(	Collection Dat	<b>e:</b> 10	/1/2020 11:00:00 AM				
Lab ID:	2010116-004	Matrix: SOIL	SOIL Received Date: 10/2/2020 8:00:00 AM							
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch			
ΕΡΑ ΜΕΊ	THOD 300.0: ANIONS					Analyst	JMT			
Chloride		ND	60	mg/Kg	20	10/7/2020 9:39:48 PM	55707			
EPA MET	THOD 8015D MOD: GASOLIN	NE RANGE				Analyst	JMR			
Gasoline	e Range Organics (GRO)	ND	4.9	mg/Kg	1	10/5/2020 9:17:38 PM	55620			
Surr: I	BFB	103	70-130	%Rec	1	10/5/2020 9:17:38 PM	55620			
EPA MET	THOD 8015M/D: DIESEL RAM	NGE ORGANICS				Analyst	: mb			
Diesel R	ange Organics (DRO)	ND	9.8	mg/Kg	1	10/5/2020 12:37:57 PM	55626			
Motor Oi	l Range Organics (MRO)	ND	49	mg/Kg	1	10/5/2020 12:37:57 PM	55626			
Surr: I	DNOP	91.0	30.4-154	%Rec	1	10/5/2020 12:37:57 PM	55626			
EPA MET	THOD 8260B: VOLATILES SI	HORT LIST				Analyst	JMR			
Benzene	9	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			
Ethylben	zene	ND	0.049	mg/Kg	1	10/5/2020 9:17:38 PM	55620			

ND

97.5

105

104

101

0.097

70-130

70-130

70-130

70-130

mg/Kg

%Rec

%Rec

%Rec

%Rec 1

1

1

1

1

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

**Qualifiers:** 

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

- Analyte detected in the associated Method Blank в
- Е Value above quantitation range
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range RL Reporting Limit
- Page 4 of 12

Xylenes, Total

Surr: 1,2-Dichloroethane-d4

Surr: 4-Bromofluorobenzene

Surr: Dibromofluoromethane

Surr: Toluene-d8

**Analytical Report** Lab Order 2010116

Date Reported: 10/8/2020

#### Hall Environmental Analysis Laboratory, Inc.

		C ×								
CLIENT:	Talon Artesia		Cl	ient Sample II	<b>D:</b> S5	2'				
Project:	ERTS Hackberry Rhs Spill	(Hackberry)	(	Collection Dat	<b>e:</b> 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			
ΕΡΑ ΜΕΊ	THOD 300.0: ANIONS					Analyst	JMT			
Chloride		ND	59	mg/Kg	20	10/7/2020 9:52:13 PM	55707			
EPA MET	THOD 8015D MOD: GASOLI	NE RANGE				Analyst	JMR			
Gasoline	e Range Organics (GRO)	ND	4.9	mg/Kg	1	10/5/2020 9:46:07 PM	55620			
Surr: I	BFB	105	70-130	%Rec	1	10/5/2020 9:46:07 PM	55620			
EPA MET	THOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst	: mb			
Diesel R	ange Organics (DRO)	ND	9.7	mg/Kg	1	10/5/2020 12:47:41 PM	55626			
Motor Oi	l Range Organics (MRO)	ND	48	mg/Kg	1	10/5/2020 12:47:41 PM	55626			
Surr: I	DNOP	98.0	30.4-154	%Rec	1	10/5/2020 12:47:41 PM	55626			
EPA MET	THOD 8260B: VOLATILES S	HORT LIST				Analyst	JMR			
Benzene	9	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			
Ethylben	izene	ND	0.049	mg/Kg	1	10/5/2020 9:46:07 PM	55620			

ND

94.2

105

105

104

0.099

70-130

70-130

70-130

70-130

mg/Kg

%Rec

%Rec

%Rec

%Rec

1

1

1

1

1

10/5/2020 9:46:07 PM

55620

55620

55620

55620

55620

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

**Qualifiers:** 

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

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

Page 5 of 12

**Project:** 

Lab ID:

Analyses

**Analytical Report** Lab Order 2010116

#### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/8/2020 **CLIENT:** Talon Artesia Client Sample ID: S6 2' ERTS Hackberry Rhs Spill (Hackberry) Collection Date: 10/1/2020 11:20:00 AM 2010116-006 Matrix: SOIL Received Date: 10/2/2020 8:00:00 AM Result **RL** Oual Units **DF** Date Analyzed Batch

EPA METHOD 300.0: ANIONS					Analyst: <b>JMT</b>
Chloride	ND	60	mg/Kg	20	10/7/2020 10:04:37 PM 55707
EPA METHOD 8015D MOD: GASOLINE RANGE					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
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS				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
EPA METHOD 8260B: VOLATILES SHORT LIST					Analyst: <b>JMR</b>
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.

**Qualifiers:** 

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

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

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Analytical Report Lab Order 2010116

Date Reported: 10/8/2020

10/6/2020 12:37:11 AM 55620

#### Hall Environmental Analysis Laboratory, Inc.

						_		
CLIENT:	Talon Artesia		Clie	ent Sample II	<b>D:</b> S7	2'		
Project:	ERTS Hackberry Rhs Spill	(Hackberry)	С	ollection Dat	<b>e:</b> 10	/1/2020 11:30:00 AM		
Lab ID:	2010116-007	Received Dat	Received Date: 10/2/2020 8:00:00 AM					
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch	
	THOD 300.0: ANIONS					Analyst	: JMT	
Chloride		ND	60	mg/Kg	20	10/7/2020 10:17:01 PM	55707	
EPA ME	THOD 8015D MOD: GASOLII	NE RANGE				Analyst	: JMR	
Gasoline	e Range Organics (GRO)	ND	4.9	mg/Kg	1	10/6/2020 12:37:11 AM	55620	
Surr: I	BFB	99.7	70-130	%Rec	1	10/6/2020 12:37:11 AM	55620	
EPA ME	THOD 8015M/D: DIESEL RAI	NGE ORGANICS				Analyst	: mb	
Diesel R	ange Organics (DRO)	ND	9.8	mg/Kg	1	10/5/2020 1:07:21 PM	55626	
Motor O	il 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	
EPA ME	THOD 8260B: VOLATILES S	HORT LIST				Analyst	: JMR	

ND

ND

ND

ND

99.1

101

111

96.6

0.025

0.049

0.049

0.099

70-130

70-130

70-130

70-130

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

%Rec

%Rec

%Rec

1

1

1

1

1

1

1

1

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

Qualifiers:

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Surr: 1,2-Dichloroethane-d4

Surr: 4-Bromofluorobenzene

Surr: Dibromofluoromethane

Surr: Toluene-d8

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

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

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**Project:** 

Lab ID:

Analyses

Chloride

**Analytical Report** Lab Order 2010116

#### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/8/2020 **CLIENT:** Talon Artesia Client Sample ID: S8 2' ERTS Hackberry Rhs Spill (Hackberry) Collection Date: 10/1/2020 11:40:00 AM 2010116-008 Matrix: SOIL Received Date: 10/2/2020 8:00:00 AM Result **RL** Oual Units **DF** Date Analyzed Batch **EPA METHOD 300.0: ANIONS** Analyst: JMT ND 60 mg/Kg 20 10/7/2020 10:54:15 PM 55707 **EPA METHOD 8015D MOD: GASOLINE RANGE** Analyst: JMR Gasoline Range Organics (GRO) ND 5.0 mg/Kg 1 10/6/2020 1:05:43 AM 55620 103 70-130 %Rec 10/6/2020 1.05.43 AM 55620 1

103	70-130	%Rec	1	10/6/2020 1:05:43 AM	55620
RGANICS				Analyst	mb
ND	9.6	mg/Kg	1	10/5/2020 1:17:15 PM	55626
ND	48	mg/Kg	1	10/5/2020 1:17:15 PM	55626
94.6	30.4-154	%Rec	1	10/5/2020 1:17:15 PM	55626
IST				Analyst	JMR
ND	0.025	mg/Kg	1	10/6/2020 1:05:43 AM	55620
ND	0.050	mg/Kg	1	10/6/2020 1:05:43 AM	55620
ND	0.050	mg/Kg	1	10/6/2020 1:05:43 AM	55620
ND	0.099	mg/Kg	1	10/6/2020 1:05:43 AM	55620
96.3	70-130	%Rec	1	10/6/2020 1:05:43 AM	55620
106	70-130	%Rec	1	10/6/2020 1:05:43 AM	55620
101	70-130	%Rec	1	10/6/2020 1:05:43 AM	55620
99.7	70-130	%Rec	1	10/6/2020 1:05:43 AM	55620
	RGANICS ND 94.6 LIST ND ND ND ND 96.3 106 101	ND       9.6         ND       48         94.6       30.4-154         JST       ND       0.025         ND       0.050         ND       0.050         ND       0.099         96.3       70-130         106       70-130         101       70-130	ND         9.6         mg/Kg           ND         48         mg/Kg           94.6         30.4-154         %Rec           JIST         ND         0.025         mg/Kg           ND         0.050         mg/Kg           96.3         70-130         %Rec           106         70-130         %Rec           101         70-130         %Rec	ND         9.6         mg/Kg         1           ND         48         mg/Kg         1           94.6         30.4-154         %Rec         1           JB         0.025         mg/Kg         1           IST         ND         0.025         mg/Kg         1           ND         0.050         mg/Kg         1           ND         0.050         mg/Kg         1           ND         0.050         mg/Kg         1           ND         0.050         mg/Kg         1           ND         0.099         mg/Kg         1           96.3         70-130         %Rec         1           106         70-130         %Rec         1           101         70-130         %Rec         1	RGANICS         Analyst           ND         9.6         mg/Kg         1         10/5/2020         1:17:15         PM           ND         48         mg/Kg         1         10/5/2020         1:17:15         PM           94.6         30.4-154         %Rec         1         10/5/2020         1:17:15         PM           JIST         Analyst           ND         0.025         mg/Kg         1         10/6/2020         1:05:43         AM           ND         0.050         mg/Kg         1         10/6/2020         1:05:43         AM           ND         0.050         mg/Kg         1         10/6/2020         1:05:43         AM           ND         0.099         mg/Kg         1         10/6/2020         1:05:43         AM           96.3         70-130         %Rec         1         10/6/2020         1:05:43         AM           106         70-130         %Rec         1         10/6/2020         1:05:43         AM           101         70-130         %Rec         1         10/6/2020         1:05:43         AM

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

**Qualifiers:** 

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

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

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Result

×		ntal Analysis Laborator	y, Inc.	WO#:	2010116 08-Oct-20
Client: Project:		n Artesia S Hackberry Rhs Spill (Hackberry)			
Sample ID: M	3-55707	SampType: <b>mblk</b>	TestCode: EPA Method 300.0: Anions		
Client ID: PE	BS	Batch ID: 55707	RunNo: 72490		
Prep Date: 1	0/7/2020	Analysis Date: 10/7/2020	SeqNo: 2544370 Units: mg/Kg		

Chloride	ND	1.5								
Sample ID: LCS-55707	SampT	ype: Ics	;	Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID: LCSS	Client ID: LCSS Batch ID: 55707					2490				
Prep Date: 10/7/2020	ate: <b>10/7/2020</b> Analysis Date: <b>10/7/2020</b>				SeqNo: 2	544371	Units: <b>mg/K</b>	g		
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			

PQL SPK value SPK Ref Val %REC LowLimit HighLimit

%RPD

RPDLimit

Qual

#### **Qualifiers:**

Analyte

- Value exceeds Maximum Contaminant Level. \*
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# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

	Artesia Hackberry Rl	hs Spill	(Hackberry	y)						
Sample ID: MB-55626	SampT	ype: ME	BLK	Test	Code: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Batch	n ID: 55	626	R	unNo: 7	2384				
Prep Date:         10/3/2020         Analysis Date:         10/5/2020         SeqNo:         2539069         Units:         mg/Kg										
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		99.5	30.4	154			
Sample ID: LCS-55626	SampT	ype: LC	S	Test	Code: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: LCSS	Batch	n ID: 55	626	R	unNo: 7	2384				

Prep Date: 10/3/2020	Analysis D	ate: 10	)/5/2020	S	SeqNo: 2539070 Units: mg/l			٢g			
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:

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2010116

08-Oct-20

WO#:

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

WO#:	2010116
	08-Oct-20

	Artesia Hackberry R	hs Spill	(Hackberry	y)									
Sample ID: Ics-55620	Sample ID: Ics-55620     SampType: LCS4     TestCode: EPA Method 8260B: Volatiles Short List												
Client ID: BatchQC	Batc	h ID: 550	620	F	RunNo: 7	2410							
Prep Date: 10/2/2020	Analysis E	Date: 10	)/5/2020	S	SeqNo: 2	540285	Units: mg/k	٤g					
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: mb-55620	SampT	Гуре: <b>МЕ</b>	BLK	Tes	tCode: El	PA Method	8260B: Vola	tiles Short	List				
Client ID: PBS	Batc	h ID: 550	620	RunNo: 72410									
Prep Date: 10/2/2020	Analysis E	Date: 10	)/5/2020	S	SeqNo: 2	540286	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						
	0.50		0.5000		101	70	130						

**Qualifiers:** 

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- Р Sample pH Not In Range
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# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Talon A		S:11	(II.a1-1	-						
Project: ERTS I	Hackberry Rhs S	Spiii (	(насквенту	()						
Sample ID: Ics-55620         SampType: LCS         TestCode: EPA Method 8015D Mod: Gasoline Range										
Client ID: LCSS	Batch ID	: 556	20	F	RunNo: 7	2410				
Prep Date: 10/2/2020	Analysis Date	: 10/	/5/2020	S	SeqNo: 2	540309	Units: mg/K	g		
Analyte	Result P	QL	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: mb-55620	SampType	: MB	LK	Tes	tCode: El	PA Method	8015D Mod: (	Gasoline	Range	
Client ID: PBS	Batch ID	: 556	20	F	RunNo: 7	2410				
Prep Date: 10/2/2020	Analysis Date	: 10/	/5/2020	S	SeqNo: 2	540310	Units: mg/K	g		
Analyte	Result P	QL	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
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2010116

08-Oct-20

WO#:

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HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmental	490 uquerq FAX:	1 Hawkins ue, NM 87 505-345-4	NE 109 S 107	Pag Sample Log-In Check List				
Client Name: Talon Artesia	Work Order Number	: 2010	0116			RcptNo: 1			
Received By: Cheyenne Cason	10/2/2020 8:00:00 AM								
Completed By: Juan Rojas	10/2/2020 9:13:21 AM			Guare	G				
Reviewed By: JR-10/2/20									
Chain of Custody									
1. Is Chain of Custody complete?		Yes	$\checkmark$	No		Not Present			
2. How was the sample delivered?		Cou	ier						
Log In									
3. Was an attempt made to cool the sample	es?	Yes	$\checkmark$	No		NA 🗌			
4. Were all samples received at a temperatu	ure of >0° C to 6.0°C	Yes		No					
5. Sample(s) in proper container(s)?		Yes		No					
6. Sufficient sample volume for indicated tes	st(s)?	Yes	$\checkmark$	No [					
7. Are samples (except VOA and ONG) prop	perly preserved?	Yes	$\checkmark$	<b>N</b> o [					
8. Was preservative added to bottles?		Yes		No [		NA			
9. Received at least 1 vial with headspace <	1/4" for AQ VOA?	Yes		No [		NA 🔽			
10. Were any sample containers received bro	oken?	Yes		No	<b>v</b>				
11. Does paperwork match bottle labels?		Yes	$\checkmark$	No [		# of preserved bottles checked for pH: 			
(Note discrepancies on chain of custody) 12. Are matrices correctly identified on Chain	of Custody?	Yes	V	No [	- I	Adjusted?			
13. Is it clear what analyses were requested?	0 <b>7</b> 00	Yes		No [					
<ul> <li>14. Were all holding times able to be met? (If no, notify customer for authorization.)</li> </ul>		Yes		No [		Checked by: Cm 10/2			
Special Handling (if applicable)									
15. Was client notified of all discrepancies with	ith this order?	Yes		No		NA 🗹			
Person Notified:	Date	N 107 - 17 - 17 - 19 - 19 - 19 - 19 - 19 - 1		anan an ann 2000 an ann	ata ang				
By Whom:	Via:	eMa	ail 🗌 Ph	none	Fax	In Person			
Regarding:									
Client Instructions:									
16. Additional remarks:									
17. Cooler Information									
Cooler No Temp °C Condition	Seal Intact Seal No S	Seal Da	ate s	Signed B	y				

Page 1 of 1

Custody Record Turn-Around Time: 4- Day Mail Environmental All Environmental Analyses and an Aranyere 1 and Atabase	Project Name: ERTS Ackberry PHS Spill www. hallenvironme	NM 88210 (Hack benry) 4901 Hawk	10'	Analysis Request	746-8905 Project Manager: Rebecca Pans ニ ら   ご	4' 20 8,8 802,4	ьо ло ьс ло ро ло ро ло	npliance Sampler: Roy 8.6/1 8270 082 10	0n Ice: 1 Ves INO	-AC 103 49 103 103 103 103 103 103 103 103 103 103	BMD(Including CE): Z & 1 = 2 / 7 = 0 = 2 / 7 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 =	(S) ((S) (S) (S) (S) (S) (S) (S) (S) (S)	x Sample Name Type and # Type 700 000 000 000 000 000 000 000 000 00	1 SI 21 Jar Ice/cool -001 XX X		53 2'	54 2'	55 2'	56 2' . /	57 2'	58 2' 1 1 58 2'			and Prov Charle Inter Nation 10/1/20 1630	Received by: Via: Date	MARKED ANT I'MALLY, BEE
Chain-of-Custody Record	408 W Texas St	Mailing Address: Artesia, NM 882		Phone #:	(575)	QA/QC Package:	Standard     Level 4 (Fu	:uo	D NELAC D Other	🗆 EDD (Type)			Date Time Matrix Sample Nar	10//20 10:30 Soi 51 21	10:40 / 52 2'	10:50 53 2'			9	11:30 57 21	Ŭ		Date: Time: Relincuished hv.	1 13	Date: Time: Relinquished by: C	11 30 / JUD GUMMMM

. Released to Imaging: 1/19/2021 11:17:01 AM

CONDITIONS

Action 10772

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

Phone:(575) 748-1283 Fax:(575) 748-9720 <u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410

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 OF APPROVAL

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