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Remediation and Closure Report

Falcon Riser Reuse Water Pipeline
Lea County, New Mexico
Incident No. nAPP2123654922

Prepared For:

EOG Resources Inc.
5509 Champions Drive
Midland, TX 79706

Prepared By:

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

November 1, 2021



Mike Bratcher
NMOCD
1301 W. Grand
Artesia, NM 88210

Subject: **Remediation and Closure Report**
Falcon Riser Reuse Water Pipeline
Lea County, New Mexico
Incident No. nAPP2123654922

Dear Mr. Bratcher,

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

Site Information

The Falcon Riser is located approximately forty-five (45) miles southeast of Carlsbad, New Mexico. The legal location for this release is Unit Letter A, Section 35, Township 24 South and Range 33 East in Lea County, New Mexico. More specifically the latitude and longitude for the release are 32.178792 and -103.535798. A Site Location Map is presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is made up of Simona-Upton association. The referenced soil data is presented in [Appendix II](#). Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology consists of gavelly fine sandy loam, Holocene to lower Pleistocene in age. Drainage courses in this area are typically well drained.

Ground Water and Site Characterization

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater is 30-feet below ground surface (bgs). See [Appendix II](#) for the referenced groundwater depth. Further research of the Bureau of Land Management Karst data indicates that this site is not located within a Karst area.

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

Approximate Depth to Groundwater	30 Feet/bgs
----------------------------------	-------------

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

Because the release occurred in a non-production area, and the reference depth to groundwater is less than 50 feet, the clean up criteria for this site is as follows.

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

Incident Description

According to the C-141 Release Notification in [Appendix III](#), the cause of release was due to loose flange bolts on the discharge pump causing a release after pump start up. Approximately 16 barrels (bbls). of produced water were released and 5 bbls. of fluid were recovered. The site map is presented in [Appendix I](#).

Site Assessment

On October 19, 2021, Talon mobilized personnel to the site and conducted a site assessment. Work completed by others indicated that the spill area had been excavated. The excavated area measured approximately 120 feet long by 40 feet wide with depths of 1 to 3 feet respectively as referenced in photo documentation [Appendix IV](#). The excavated area was mapped utilizing a handheld Trimble, and photographed. Composite samples were retrieved from the bottom and sidewalls of the excavated area. All soil samples were properly packaged, preserved, and transported to Hall Laboratories via chain of custody for analysis of Total Chlorides (EPA Method 300.0), TPH (EPA Method 8015M), and BTEX (EPA Method 8021B). Sample locations are shown on the attached site plan and the results of our sampling event are presented on the following data table.

Table I
Confirmation Soil Sample Laboratory Results

Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S-1A	10/19/2021	1'	ND	ND	ND	ND	ND	0	350
S-2A	10/19/2021	1'	ND	ND	ND	ND	ND	0	ND
S-3A	10/19/2021	1'	ND	ND	ND	ND	ND	0	390
S-4A	10/19/2021	1'	ND	ND	ND	ND	ND	0	ND
S-5A	10/19/2021	2'	ND	ND	ND	ND	ND	0	ND
S-6A	10/19/2021	1'	ND	ND	ND	ND	ND	0	ND
S-7A	10/19/2021	2'	ND	ND	ND	ND	ND	0	430
S-8A	10/19/2021	2'	ND	ND	ND	ND	ND	0	ND
S-9A	10/19/2021	2'	ND	ND	ND	ND	ND	0	200
S-10A	10/19/2021	2'	ND	ND	ND	ND	ND	0	140
S-11A	10/19/2021	2'	ND	ND	ND	ND	ND	0	ND
S-12A	10/19/2021	2'	ND	ND	ND	ND	ND	0	380
S-13A	10/19/2021	2'	ND	ND	ND	ND	ND	0	200
S-14A	10/19/2021	2'	ND	ND	ND	ND	ND	0	200
S-15A	10/19/2021	2'	ND	ND	ND	23	ND	23	350
S-16A	10/19/2021	2'	ND	ND	ND	29	ND	29	330
S-17A	10/19/2021	2'	ND	ND	ND	ND	ND	0	340
S-18A	10/19/2021	2'	ND	ND	ND	ND	ND	0	140
S-19A	10/19/2021	2'	ND	ND	ND	ND	ND	0	140
S-20A	10/19/2021	2'	ND	ND	ND	ND	ND	0	240
S-21A	10/19/2021	2'	ND	ND	ND	ND	ND	0	250
S-22A	10/19/2021	2'	ND	ND	ND	ND	ND	0	260
S-23A	10/19/2021	3'	ND	ND	ND	ND	ND	0	250
S-24A	10/19/2021	1'	ND	ND	ND	ND	ND	0	290
S-25A	10/19/2021	1'	ND	ND	ND	ND	ND	0	310
S-26A	10/19/2021	1'	ND	ND	ND	ND	ND	0	330
S-27A	10/19/2021	1'	ND	ND	ND	ND	ND	0	290
N.SW-1	10/19/2021	1-2'	ND	ND	ND	ND	ND	0	130
N.SW-2	10/19/2021	1-2'	ND	ND	ND	ND	ND	0	110
S.SW-1	10/19/2021	1-2'	ND	ND	ND	ND	ND	0	120
S.SW-2	10/19/2021	1-2'	ND	ND	ND	ND	ND	0	110
W.SW	10/19/2021	1'	ND	ND	ND	ND	ND	0	100
E.SW	10/19/2021	1'	ND	ND	ND	ND	ND	0	73
BG-1	10/19/2021	0'	ND	ND	ND	ND	ND	0	ND
BG-2	10/19/2021	0'	ND	ND	ND	ND	ND	0	ND
BG-3	10/19/2021	0'	ND	ND	ND	ND	ND	0	ND
BG-4	10/19/2021	0'	ND	ND	ND	ND	ND	0	ND

ND = Analyte Not Detected SW = Sidewall BG = Background

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

Remedial Actions

- The spill footprint was excavated to depths of 1 to 2 feet bgs, and to the horizontal extent that all surface staining was removed. Laboratory analysis confirms that NMOCD remediation guidelines for soil characterization were achieved.
- Background samples were obtained in order to confirm horizontal delineation.
- The excavated area was backfilled with clean topsoil, restored to grade, and seeded with BLM #2 Seed mix ([Appendix V](#)).
- All contaminated soil was transported to Lea Land, LLC, a NMOCD approved disposal facility.

Closure

Based on this site characterization, remedial actions completed, and analytical results, we request that no further actions be required, and that closure with regard to the attached 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 S. Pons
Senior Environmental Project Manager

Attachments:

Appendix I Site Plans
Appendix II Groundwater Data, Soil Survey, Karst Map, FEMA Map
Appendix III C-141
Appendix IV Photo Documentation
Appendix V Seed Tag
Appendix VI Laboratory Data



APPENDIX I

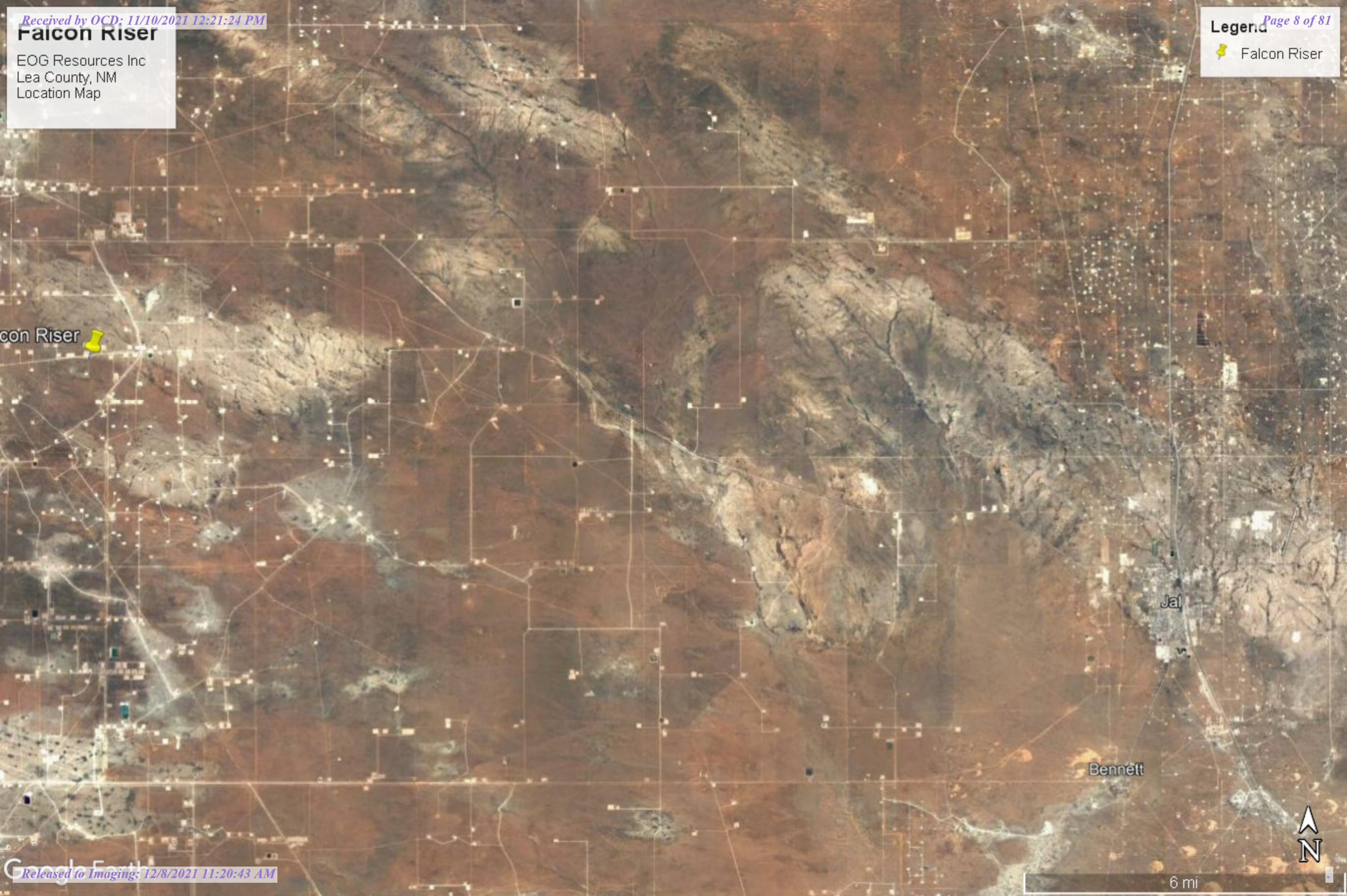
SITE PLANS

Falcon Riser

EOG Resources Inc
Lea County, NM
Location Map

Legend

 Falcon Riser



Falcon Riser

Jal

Bennett



Drafted: 11/9/2021

1 in = 30 ft

Drafted By: IJM

EOG Resources Inc.
Falcon Riser
Lea County, NW
Confirmation Sample Map



APPENDIX II

GROUNDWATER DATA

SOIL SURVEY

KARST MAP

TOPO MAP



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
C 03601 POD4		CUB	LE	3	3	3	24	24S	33E	638162	3561375	220			
C 03603 POD1		CUB	LE	3	2	2	35	24S	33E	637805	3561225	228			
C 03603 POD2		CUB	LE	3	1	2	35	24S	33E	637384	3561167	648			
C 03603 POD4		CUB	LE	3	2	4	35	24S	33E	637789	3560461	775			
C 03600 POD5		CUB	LE	3	2	4	26	24S	33E	637857	3562020	841			
C 03600 POD6		CUB	LE	3	1	4	26	24S	33E	637383	3562026	1053			
C 03603 POD3		CUB	LE	4	1	1	35	24S	33E	636890	3561092	1146			
C 03600 POD3		CUB	LE	3	4	2	26	24S	33E	637784	3562340	1169			
C 03603 POD5		CUB	LE	3	3	2	35	24S	33E	636745	3560767	1356			
C 03600 POD2		CUB	LE	4	4	1	25	24S	33E	638824	3562329	1382			
C 03602 POD2		CUB	LE	4	4	1	25	24S	33E	638824	3562329	1382			
C 03603 POD6		CUB	LE	3	1	3	35	24S	33E	636749	3560447	1485			
C 03600 POD7		CUB	LE	3	1	3	26	24S	33E	636726	3561968	1516			
C 03600 POD4		CUB	LE	3	3	1	26	24S	33E	636617	3562293	1790			
C 03601 POD7		CUB	LE	4	4	4	23	24S	33E	637946	3563170	1975			
C 03600 POD1		CUB	LE	2	2	1	26	24S	33E	637275	3563023	1976			
C 03601 POD5		CUB	LE	2	4	4	23	24S	33E	637988	3563334	2137			
C 03601 POD6		CUB	LE	1	4	4	23	24S	33E	637834	3563338	2150			
C 04339 POD5		CUB	LE	2	3	4	23	24S	33E	637580	3563328	2178	54		
C 03601 POD3		CUB	LE	1	3	3	24	24S	33E	638142	3563413	2219			
C 04339 POD3		CUB	LE	2	4	3	23	24S	33E	637273	3563323	2257	38		
C 04339 POD4		CUB	LE	2	4	3	23	24S	33E	637273	3563323	2257	47		
C 04339 POD10		CUB	LE	4	1	4	23	24S	33E	637688	3563503	2331	49		
C 03601 POD2		CUB	LE	3	2	4	23	24S	33E	637846	3563588	2398			
C 04339 POD2		CUB	LE	2	3	3	23	24S	33E	636789	3563315	2456			
C 02309		CUB	LE	2	2	2	25	24S	33E	639708	3562997	2460	60	30	30
C 04339 POD1		CUB	LE	1	3	3	23	24S	33E	636525	3563309	2594	47		
C 04339 POD9		CUB	LE	3	4	2	23	24S	33E	637731	3563913	2733	45		
C 03601 POD1		CUB	LE	4	4	2	23	24S	33E	638124	3563937	2741			
C 04339 POD8		CUB	LE	1	1	3	23	24S	33E	636519	3563681	2908	30		

Average Depth to Water:

30 feet

Minimum Depth:

30 feet


Maximum Depth:

30 feet



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)						(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tw	Rng	X	Y
NA	C 04339 POD5	2	3	4	23	24S	33E	637580	3563328 
<hr/>									
Driller License: 1575		Driller Company: CURRIE DRILLING COMPANY, INC							
Driller Name: CURRIE, SHANEG..TY"ENER									
Drill Start Date: 08/06/2019		Drill Finish Date:		08/07/2019		Plug Date:		08/07/2019	
Log File Date: 08/22/2019		PCW Rcv Date:				Source:			
Pump Type:		Pipe Discharge Size:				Estimated Yield:			
Casing Size:		Depth Well:		54 feet		Depth Water:			

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

10/20/21 7:35 AM

POINT OF DIVERSION SUMMARY

Map Unit Description: Simona-Upton association---Lea County, New Mexico

Lea County, New Mexico

SR—Simona-Upton association

Map Unit Setting

National map unit symbol: dmr3

Elevation: 3,000 to 4,400 feet

Mean annual precipitation: 10 to 16 inches

Mean annual air temperature: 58 to 62 degrees F

Frost-free period: 190 to 205 days

Farmland classification: Not prime farmland

Map Unit Composition

Simona and similar soils: 50 percent

Upton and similar soils: 35 percent

Minor components: 15 percent

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

Description of Simona

Setting

Landform: Ridges

Landform position (two-dimensional): Shoulder

Landform position (three-dimensional): Rise

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Calcareous eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 8 inches: gravelly fine sandy loam

Bk - 8 to 16 inches: fine sandy loam

Bkm - 16 to 26 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 7 to 20 inches to petrocalcic

Drainage class: Well drained

Runoff class: Very low

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 50 percent

Gypsum, maximum content: 1 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Very low (about 1.9 inches)

Map Unit Description: Simona-Upton association---Lea County, New Mexico

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: D

Ecological site: R042XC002NM - Shallow Sandy

Hydric soil rating: No

Description of Upton**Setting**

Landform: Ridges

Landform position (two-dimensional): Shoulder

Landform position (three-dimensional): Rise

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Calcareous eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 8 inches: gravelly loam

Bkm - 8 to 18 inches: cemented material

Bck - 18 to 60 inches: very gravelly loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 7 to 20 inches to petrocalcic

Drainage class: Well drained

Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high (0.01 to 0.60 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 75 percent

Gypsum, maximum content: 1 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Very low (about 0.9 inches)

Interpretive groups

Land capability classification (irrigated): 6e

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: D

Ecological site: R042XC025NM - Shallow

Hydric soil rating: No

Minor Components**Kimbrough**

Percent of map unit: 6 percent

Ecological site: R077CY037TX - Very Shallow 16-21" PZ

Hydric soil rating: No

Map Unit Description: Simona-Upton association---Lea County, New Mexico

Stegall

Percent of map unit: 5 percent

Ecological site: R077CY028TX - Limy Upland 16-21" PZ

Hydric soil rating: No

Slaughter

Percent of map unit: 4 percent

Ecological site: R077CY028TX - Limy Upland 16-21" PZ

Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 18, Sep 10, 2021




Falcon Riser

EOG Resources Inc
Lea County, NM
Karst Map

Legend

-  Falcon Riser
-  Low



Falcon Riser 





100 ft

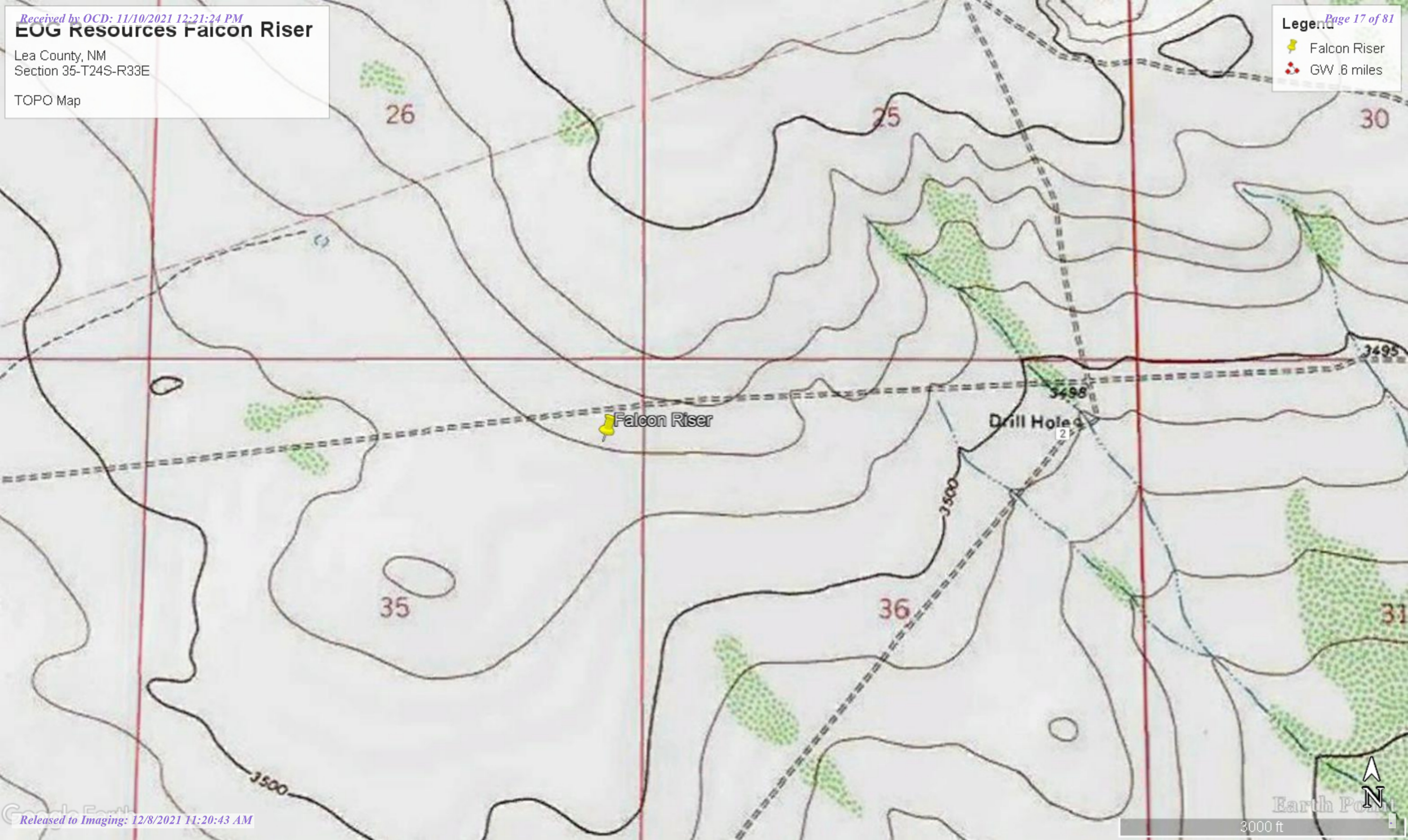
EOG Resources Falcon Riser

Lea County, NM
Section 35-T24S-R33E

TOPO Map

Legend

-  Falcon Riser
-  GW .6 miles





APPENDIX III

INITIAL C-141

FINAL C-141

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	nAPP2123654922
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources	OGRID 7377
Contact Name Todd Wells	Contact Telephone (432) 686-3613
Contact email Todd_Wells@eogresources.com	Incident # (assigned by OCD) nAPP2123654922
Contact mailing address 5509 Champions Drive Midland, TX 79706	

Location of Release Source

Latitude 32.178863° Longitude -103.535748°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Falcon Riser	Site Type Reuse Water Pipeline
Date Release Discovered 8/13/21	API# (if applicable)

Unit Letter	Section	Township	Range	County
A	35	24S	33E	Lea

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Reuse Water	Volume Released (bbls) 16	Volume Recovered (bbls) 5
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: While pumping from pit to pit, reuse water was released from a loose flange on the booster pump at the Falcon Riser. This resulted in a release of 16 bbls of reuse water at the Falcon Riser with 5 bbls recovered.

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Todd Wells</u>	Title: <u>Environmental Specialist</u>
Signature: <u>Todd Wells</u>	Date: <u>8-24-21</u>
email: <u>Todd_Wells@eogresources.com</u>	Telephone: <u>(432) 686-3613</u>
<u>OCD Only</u> Received by: _____ Date: _____	

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u><50</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: Todd Wells Title: Environmental SpecialistSignature: Todd Wells Date: 11/10/21email: todd_wells@eogresources.com Telephone: (432) 686-3613**OCD Only**

Received by: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Todd Wells Title: Environmental Specialist
Signature: Todd Wells Date: 11/10/21
email: todd_wells@eogresources.com Telephone: (432) 686-3613

OCD Only

Received by: Chad Hensley Date: 12/08/2021

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: Chad Hensley Date: 12/08/2021
Printed Name: Chad Hensley Title: Environmental Specialist Advanced



APPENDIX IV

PHOTOGRAPHIC DOCUMENTATION

EOG Resources Falcon Riser Reuse Water

PHOTO DOCUMENTATION



Impacted Area at Source



Impacted Area



Excavated Area



Excavated Area at Source



Backfilled and Seeded looking East



Backfilled and Seeded looking West



APPENDIX V

SEED TAG

Curtis and Curtis Seed
4500 North Prince
Clovis, NM 88101
Phone: (575) 762-4759

BLM #2 Seed Mix

Lot# 1674

Item	Origin	Purity	Germ	Dormant	Germ & Dormant	Test Date
Sand Dropseed	New Mexico	22.06%	35.00%	51.00%	86.00%	11/19
Variety Not Stated						
Sand Lovegrass	Texas	23.71%	61.00%	19.00%	80.00%	09/19
Bend						
Plains Bristlegrass	Oklahoma	39.12%	44.00%	53.00%	97.00%	09/19
Variety Not Stated						
Other Crop:	3.74%	There Are 1 Bags For This Mix		Total Bulk Pounds:		1.32
Weed Seed:	0.11%	This Bag Weighs 1.32 Bulk Pounds				
Inert Matter:	11.26%	Use This Bag For 0.25 Acres Drilled Rate				
Noxious:	None					

W H Milner West Pasture- 702525.005.01
Drill ¼ acre
Burk Royalty

RD



APPENDIX VI

LABORATORY DATA



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

October 26, 2021

Rebecca Pons
Talon Artesia
408 West Texas Ave
Artesia, NM 88210
TEL: (575) 441-0980
FAX

RE: Falcon Riser Spill

OrderNo.: 2110980

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 37 sample(s) on 10/21/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-1A 1'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 11:30:00 AM

Lab ID: 2110980-001

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	350	60		mg/Kg	20	10/22/2021 7:11:37 PM	63496
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/22/2021 3:35:36 PM	63466
Surr: BFB	105	70-130		%Rec	1	10/22/2021 3:35:36 PM	63466
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	10/22/2021 8:21:01 PM	63485
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	10/22/2021 8:21:01 PM	63485
Surr: DNOP	84.4	70-130		%Rec	1	10/22/2021 8:21:01 PM	63485
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	10/22/2021 3:35:36 PM	63466
Toluene	ND	0.048		mg/Kg	1	10/22/2021 3:35:36 PM	63466
Ethylbenzene	ND	0.048		mg/Kg	1	10/22/2021 3:35:36 PM	63466
Xylenes, Total	ND	0.095		mg/Kg	1	10/22/2021 3:35:36 PM	63466
Surr: 1,2-Dichloroethane-d4	99.9	70-130		%Rec	1	10/22/2021 3:35:36 PM	63466
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	10/22/2021 3:35:36 PM	63466
Surr: Dibromofluoromethane	102	70-130		%Rec	1	10/22/2021 3:35:36 PM	63466
Surr: Toluene-d8	94.3	70-130		%Rec	1	10/22/2021 3:35:36 PM	63466

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

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

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Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-2A 1'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 11:33:00 AM

Lab ID: 2110980-002

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	10/22/2021 7:48:51 PM	63496
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/22/2021 4:04:06 PM	63466
Surr: BFB	101	70-130		%Rec	1	10/22/2021 4:04:06 PM	63466
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/22/2021 8:53:40 PM	63485
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/22/2021 8:53:40 PM	63485
Surr: DNOP	84.4	70-130		%Rec	1	10/22/2021 8:53:40 PM	63485
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	10/22/2021 4:04:06 PM	63466
Toluene	ND	0.048		mg/Kg	1	10/22/2021 4:04:06 PM	63466
Ethylbenzene	ND	0.048		mg/Kg	1	10/22/2021 4:04:06 PM	63466
Xylenes, Total	ND	0.097		mg/Kg	1	10/22/2021 4:04:06 PM	63466
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	1	10/22/2021 4:04:06 PM	63466
Surr: 4-Bromofluorobenzene	99.5	70-130		%Rec	1	10/22/2021 4:04:06 PM	63466
Surr: Dibromofluoromethane	106	70-130		%Rec	1	10/22/2021 4:04:06 PM	63466
Surr: Toluene-d8	89.1	70-130		%Rec	1	10/22/2021 4:04:06 PM	63466

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

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

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Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-3A 1'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 11:36:00 AM

Lab ID: 2110980-003

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	390	60		mg/Kg	20	10/22/2021 8:01:16 PM	63496
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/22/2021 4:32:33 PM	63466
Surr: BFB	105	70-130		%Rec	1	10/22/2021 4:32:33 PM	63466
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	10/22/2021 9:04:35 PM	63485
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	10/22/2021 9:04:35 PM	63485
Surr: DNOP	92.4	70-130		%Rec	1	10/22/2021 9:04:35 PM	63485
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	10/22/2021 4:32:33 PM	63466
Toluene	ND	0.047		mg/Kg	1	10/22/2021 4:32:33 PM	63466
Ethylbenzene	ND	0.047		mg/Kg	1	10/22/2021 4:32:33 PM	63466
Xylenes, Total	ND	0.094		mg/Kg	1	10/22/2021 4:32:33 PM	63466
Surr: 1,2-Dichloroethane-d4	99.9	70-130		%Rec	1	10/22/2021 4:32:33 PM	63466
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	10/22/2021 4:32:33 PM	63466
Surr: Dibromofluoromethane	100	70-130		%Rec	1	10/22/2021 4:32:33 PM	63466
Surr: Toluene-d8	93.4	70-130		%Rec	1	10/22/2021 4:32:33 PM	63466

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

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

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Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-4A 1'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 11:39:00 AM

Lab ID: 2110980-004

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	10/22/2021 8:13:41 PM	63496
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/22/2021 5:01:01 PM	63466
Surr: BFB	102	70-130		%Rec	1	10/22/2021 5:01:01 PM	63466
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	10/22/2021 9:15:30 PM	63485
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	10/22/2021 9:15:30 PM	63485
Surr: DNOP	89.8	70-130		%Rec	1	10/22/2021 9:15:30 PM	63485
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	10/22/2021 5:01:01 PM	63466
Toluene	ND	0.047		mg/Kg	1	10/22/2021 5:01:01 PM	63466
Ethylbenzene	ND	0.047		mg/Kg	1	10/22/2021 5:01:01 PM	63466
Xylenes, Total	ND	0.094		mg/Kg	1	10/22/2021 5:01:01 PM	63466
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	10/22/2021 5:01:01 PM	63466
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	10/22/2021 5:01:01 PM	63466
Surr: Dibromofluoromethane	104	70-130		%Rec	1	10/22/2021 5:01:01 PM	63466
Surr: Toluene-d8	92.6	70-130		%Rec	1	10/22/2021 5:01:01 PM	63466

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

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

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Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-5A 2'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 11:42:00 AM

Lab ID: 2110980-005

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	10/22/2021 8:26:06 PM	63496
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/22/2021 5:29:31 PM	63466
Surr: BFB	101	70-130		%Rec	1	10/22/2021 5:29:31 PM	63466
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	10/22/2021 9:26:28 PM	63485
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/22/2021 9:26:28 PM	63485
Surr: DNOP	92.8	70-130		%Rec	1	10/22/2021 9:26:28 PM	63485
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	10/22/2021 5:29:31 PM	63466
Toluene	ND	0.049		mg/Kg	1	10/22/2021 5:29:31 PM	63466
Ethylbenzene	ND	0.049		mg/Kg	1	10/22/2021 5:29:31 PM	63466
Xylenes, Total	ND	0.099		mg/Kg	1	10/22/2021 5:29:31 PM	63466
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	10/22/2021 5:29:31 PM	63466
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	10/22/2021 5:29:31 PM	63466
Surr: Dibromofluoromethane	105	70-130		%Rec	1	10/22/2021 5:29:31 PM	63466
Surr: Toluene-d8	91.6	70-130		%Rec	1	10/22/2021 5:29:31 PM	63466

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

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

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Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-6A 1'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 11:45:00 AM

Lab ID: 2110980-006

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	10/22/2021 8:38:31 PM	63496
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/22/2021 5:57:58 PM	63466
Surr: BFB	103	70-130		%Rec	1	10/22/2021 5:57:58 PM	63466
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/22/2021 9:37:26 PM	63485
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/22/2021 9:37:26 PM	63485
Surr: DNOP	94.7	70-130		%Rec	1	10/22/2021 9:37:26 PM	63485
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	10/22/2021 5:57:58 PM	63466
Toluene	ND	0.048		mg/Kg	1	10/22/2021 5:57:58 PM	63466
Ethylbenzene	ND	0.048		mg/Kg	1	10/22/2021 5:57:58 PM	63466
Xylenes, Total	ND	0.097		mg/Kg	1	10/22/2021 5:57:58 PM	63466
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	10/22/2021 5:57:58 PM	63466
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	10/22/2021 5:57:58 PM	63466
Surr: Dibromofluoromethane	107	70-130		%Rec	1	10/22/2021 5:57:58 PM	63466
Surr: Toluene-d8	95.1	70-130		%Rec	1	10/22/2021 5:57:58 PM	63466

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

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

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Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-7A 2'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 11:48:00 AM

Lab ID: 2110980-007

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	430	60		mg/Kg	20	10/22/2021 8:50:55 PM	63496
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/22/2021 6:26:40 PM	63466
Surr: BFB	105	70-130		%Rec	1	10/22/2021 6:26:40 PM	63466
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	10/22/2021 9:48:24 PM	63485
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	10/22/2021 9:48:24 PM	63485
Surr: DNOP	90.7	70-130		%Rec	1	10/22/2021 9:48:24 PM	63485
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	10/22/2021 6:26:40 PM	63466
Toluene	ND	0.050		mg/Kg	1	10/22/2021 6:26:40 PM	63466
Ethylbenzene	ND	0.050		mg/Kg	1	10/22/2021 6:26:40 PM	63466
Xylenes, Total	ND	0.099		mg/Kg	1	10/22/2021 6:26:40 PM	63466
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	10/22/2021 6:26:40 PM	63466
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	10/22/2021 6:26:40 PM	63466
Surr: Dibromofluoromethane	104	70-130		%Rec	1	10/22/2021 6:26:40 PM	63466
Surr: Toluene-d8	93.3	70-130		%Rec	1	10/22/2021 6:26:40 PM	63466

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

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

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Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-8A 2'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 11:51:00 AM

Lab ID: 2110980-008

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	10/22/2021 9:03:19 PM	63496
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/22/2021 6:55:13 PM	63466
Surr: BFB	102	70-130		%Rec	1	10/22/2021 6:55:13 PM	63466
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/22/2021 9:59:24 PM	63485
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/22/2021 9:59:24 PM	63485
Surr: DNOP	95.6	70-130		%Rec	1	10/22/2021 9:59:24 PM	63485
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	10/22/2021 6:55:13 PM	63466
Toluene	ND	0.049		mg/Kg	1	10/22/2021 6:55:13 PM	63466
Ethylbenzene	ND	0.049		mg/Kg	1	10/22/2021 6:55:13 PM	63466
Xylenes, Total	ND	0.098		mg/Kg	1	10/22/2021 6:55:13 PM	63466
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	1	10/22/2021 6:55:13 PM	63466
Surr: 4-Bromofluorobenzene	96.3	70-130		%Rec	1	10/22/2021 6:55:13 PM	63466
Surr: Dibromofluoromethane	99.9	70-130		%Rec	1	10/22/2021 6:55:13 PM	63466
Surr: Toluene-d8	93.8	70-130		%Rec	1	10/22/2021 6:55:13 PM	63466

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

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

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Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-9A 2'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 11:54:00 AM

Lab ID: 2110980-009

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	200	60		mg/Kg	20	10/22/2021 9:15:44 PM	63496
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/22/2021 7:23:39 PM	63466
Surr: BFB	104	70-130		%Rec	1	10/22/2021 7:23:39 PM	63466
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/22/2021 10:10:34 PM	63485
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/22/2021 10:10:34 PM	63485
Surr: DNOP	91.0	70-130		%Rec	1	10/22/2021 10:10:34 PM	63485
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	10/22/2021 7:23:39 PM	63466
Toluene	ND	0.049		mg/Kg	1	10/22/2021 7:23:39 PM	63466
Ethylbenzene	ND	0.049		mg/Kg	1	10/22/2021 7:23:39 PM	63466
Xylenes, Total	ND	0.099		mg/Kg	1	10/22/2021 7:23:39 PM	63466
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	10/22/2021 7:23:39 PM	63466
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	10/22/2021 7:23:39 PM	63466
Surr: Dibromofluoromethane	103	70-130		%Rec	1	10/22/2021 7:23:39 PM	63466
Surr: Toluene-d8	95.4	70-130		%Rec	1	10/22/2021 7:23:39 PM	63466

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

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

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Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-10A 2'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 11:57:00 AM

Lab ID: 2110980-010

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	140	61		mg/Kg	20	10/22/2021 9:28:08 PM	63496
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/22/2021 7:52:04 PM	63466
Surr: BFB	101	70-130		%Rec	1	10/22/2021 7:52:04 PM	63466
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/22/2021 10:21:43 PM	63485
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/22/2021 10:21:43 PM	63485
Surr: DNOP	93.4	70-130		%Rec	1	10/22/2021 10:21:43 PM	63485
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	10/22/2021 7:52:04 PM	63466
Toluene	ND	0.047		mg/Kg	1	10/22/2021 7:52:04 PM	63466
Ethylbenzene	ND	0.047		mg/Kg	1	10/22/2021 7:52:04 PM	63466
Xylenes, Total	ND	0.094		mg/Kg	1	10/22/2021 7:52:04 PM	63466
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	10/22/2021 7:52:04 PM	63466
Surr: 4-Bromofluorobenzene	99.3	70-130		%Rec	1	10/22/2021 7:52:04 PM	63466
Surr: Dibromofluoromethane	104	70-130		%Rec	1	10/22/2021 7:52:04 PM	63466
Surr: Toluene-d8	92.1	70-130		%Rec	1	10/22/2021 7:52:04 PM	63466

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

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

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Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-11A 2'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 12:00:00 PM

Lab ID: 2110980-011

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	59		mg/Kg	20	10/22/2021 9:40:33 PM	63496
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/22/2021 8:20:34 PM	63466
Surr: BFB	99.1	70-130		%Rec	1	10/22/2021 8:20:34 PM	63466
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	8.8		mg/Kg	1	10/22/2021 10:32:50 PM	63485
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	10/22/2021 10:32:50 PM	63485
Surr: DNOP	87.2	70-130		%Rec	1	10/22/2021 10:32:50 PM	63485
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	10/22/2021 8:20:34 PM	63466
Toluene	ND	0.048		mg/Kg	1	10/22/2021 8:20:34 PM	63466
Ethylbenzene	ND	0.048		mg/Kg	1	10/22/2021 8:20:34 PM	63466
Xylenes, Total	ND	0.095		mg/Kg	1	10/22/2021 8:20:34 PM	63466
Surr: 1,2-Dichloroethane-d4	100	70-130		%Rec	1	10/22/2021 8:20:34 PM	63466
Surr: 4-Bromofluorobenzene	98.9	70-130		%Rec	1	10/22/2021 8:20:34 PM	63466
Surr: Dibromofluoromethane	105	70-130		%Rec	1	10/22/2021 8:20:34 PM	63466
Surr: Toluene-d8	92.7	70-130		%Rec	1	10/22/2021 8:20:34 PM	63466

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

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

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Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-12A 2'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 12:30:00 PM

Lab ID: 2110980-012

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	380	60		mg/Kg	20	10/22/2021 10:17:46 PM	63496
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/22/2021 8:49:13 PM	63466
Surr: BFB	101	70-130		%Rec	1	10/22/2021 8:49:13 PM	63466
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/22/2021 10:43:56 PM	63485
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/22/2021 10:43:56 PM	63485
Surr: DNOP	89.6	70-130		%Rec	1	10/22/2021 10:43:56 PM	63485
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	10/22/2021 8:49:13 PM	63466
Toluene	ND	0.049		mg/Kg	1	10/22/2021 8:49:13 PM	63466
Ethylbenzene	ND	0.049		mg/Kg	1	10/22/2021 8:49:13 PM	63466
Xylenes, Total	ND	0.097		mg/Kg	1	10/22/2021 8:49:13 PM	63466
Surr: 1,2-Dichloroethane-d4	92.7	70-130		%Rec	1	10/22/2021 8:49:13 PM	63466
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	10/22/2021 8:49:13 PM	63466
Surr: Dibromofluoromethane	96.1	70-130		%Rec	1	10/22/2021 8:49:13 PM	63466
Surr: Toluene-d8	92.8	70-130		%Rec	1	10/22/2021 8:49:13 PM	63466

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

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

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Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-13A 2'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 12:33:00 PM

Lab ID: 2110980-013

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	200	60		mg/Kg	20	10/22/2021 10:30:11 PM	63496
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/22/2021 9:17:43 PM	63466
Surr: BFB	101	70-130		%Rec	1	10/22/2021 9:17:43 PM	63466
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	10/22/2021 10:55:00 PM	63485
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	10/22/2021 10:55:00 PM	63485
Surr: DNOP	104	70-130		%Rec	1	10/22/2021 10:55:00 PM	63485
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	10/22/2021 9:17:43 PM	63466
Toluene	ND	0.047		mg/Kg	1	10/22/2021 9:17:43 PM	63466
Ethylbenzene	ND	0.047		mg/Kg	1	10/22/2021 9:17:43 PM	63466
Xylenes, Total	ND	0.095		mg/Kg	1	10/22/2021 9:17:43 PM	63466
Surr: 1,2-Dichloroethane-d4	99.4	70-130		%Rec	1	10/22/2021 9:17:43 PM	63466
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	10/22/2021 9:17:43 PM	63466
Surr: Dibromofluoromethane	102	70-130		%Rec	1	10/22/2021 9:17:43 PM	63466
Surr: Toluene-d8	94.2	70-130		%Rec	1	10/22/2021 9:17:43 PM	63466

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

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

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Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-14A 2'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 12:36:00 PM

Lab ID: 2110980-014

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	200	60		mg/Kg	20	10/22/2021 10:42:36 PM	63496
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/22/2021 9:46:08 PM	63466
Surr: BFB	101	70-130		%Rec	1	10/22/2021 9:46:08 PM	63466
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/22/2021 11:06:03 PM	63485
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/22/2021 11:06:03 PM	63485
Surr: DNOP	87.2	70-130		%Rec	1	10/22/2021 11:06:03 PM	63485
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	10/22/2021 9:46:08 PM	63466
Toluene	ND	0.048		mg/Kg	1	10/22/2021 9:46:08 PM	63466
Ethylbenzene	ND	0.048		mg/Kg	1	10/22/2021 9:46:08 PM	63466
Xylenes, Total	ND	0.096		mg/Kg	1	10/22/2021 9:46:08 PM	63466
Surr: 1,2-Dichloroethane-d4	103	70-130		%Rec	1	10/22/2021 9:46:08 PM	63466
Surr: 4-Bromofluorobenzene	99.5	70-130		%Rec	1	10/22/2021 9:46:08 PM	63466
Surr: Dibromofluoromethane	104	70-130		%Rec	1	10/22/2021 9:46:08 PM	63466
Surr: Toluene-d8	90.7	70-130		%Rec	1	10/22/2021 9:46:08 PM	63466

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

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

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Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-15A 2'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 12:39:00 PM

Lab ID: 2110980-015

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	350	60		mg/Kg	20	10/22/2021 10:55:01 PM	63496
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/22/2021 10:14:40 PM	63466
Surr: BFB	101	70-130		%Rec	1	10/22/2021 10:14:40 PM	63466
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	23	9.2		mg/Kg	1	10/22/2021 11:17:06 PM	63485
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/22/2021 11:17:06 PM	63485
Surr: DNOP	110	70-130		%Rec	1	10/22/2021 11:17:06 PM	63485
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	10/22/2021 10:14:40 PM	63466
Toluene	ND	0.047		mg/Kg	1	10/22/2021 10:14:40 PM	63466
Ethylbenzene	ND	0.047		mg/Kg	1	10/22/2021 10:14:40 PM	63466
Xylenes, Total	ND	0.093		mg/Kg	1	10/22/2021 10:14:40 PM	63466
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	10/22/2021 10:14:40 PM	63466
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	10/22/2021 10:14:40 PM	63466
Surr: Dibromofluoromethane	103	70-130		%Rec	1	10/22/2021 10:14:40 PM	63466
Surr: Toluene-d8	91.5	70-130		%Rec	1	10/22/2021 10:14:40 PM	63466

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

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

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Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-16A 2'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 12:42:00 PM

Lab ID: 2110980-016

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	330	59		mg/Kg	20	10/22/2021 11:07:26 PM	63496
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/22/2021 10:43:15 PM	63466
Surr: BFB	104	70-130		%Rec	1	10/22/2021 10:43:15 PM	63466
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	29	9.0		mg/Kg	1	10/22/2021 11:28:06 PM	63485
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	10/22/2021 11:28:06 PM	63485
Surr: DNOP	125	70-130		%Rec	1	10/22/2021 11:28:06 PM	63485
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	10/22/2021 10:43:15 PM	63466
Toluene	ND	0.048		mg/Kg	1	10/22/2021 10:43:15 PM	63466
Ethylbenzene	ND	0.048		mg/Kg	1	10/22/2021 10:43:15 PM	63466
Xylenes, Total	ND	0.096		mg/Kg	1	10/22/2021 10:43:15 PM	63466
Surr: 1,2-Dichloroethane-d4	98.0	70-130		%Rec	1	10/22/2021 10:43:15 PM	63466
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	10/22/2021 10:43:15 PM	63466
Surr: Dibromofluoromethane	101	70-130		%Rec	1	10/22/2021 10:43:15 PM	63466
Surr: Toluene-d8	91.3	70-130		%Rec	1	10/22/2021 10:43:15 PM	63466

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

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

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Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-17A 2'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 12:45:00 PM

Lab ID: 2110980-017

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	340	61		mg/Kg	20	10/22/2021 11:19:51 PM	63496
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/22/2021 11:11:51 PM	63466
Surr: BFB	105	70-130		%Rec	1	10/22/2021 11:11:51 PM	63466
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	23	9.1		mg/Kg	1	10/22/2021 11:39:04 PM	63485
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/22/2021 11:39:04 PM	63485
Surr: DNOP	87.6	70-130		%Rec	1	10/22/2021 11:39:04 PM	63485
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	10/22/2021 11:11:51 PM	63466
Toluene	ND	0.047		mg/Kg	1	10/22/2021 11:11:51 PM	63466
Ethylbenzene	ND	0.047		mg/Kg	1	10/22/2021 11:11:51 PM	63466
Xylenes, Total	ND	0.094		mg/Kg	1	10/22/2021 11:11:51 PM	63466
Surr: 1,2-Dichloroethane-d4	101	70-130		%Rec	1	10/22/2021 11:11:51 PM	63466
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	10/22/2021 11:11:51 PM	63466
Surr: Dibromofluoromethane	106	70-130		%Rec	1	10/22/2021 11:11:51 PM	63466
Surr: Toluene-d8	95.9	70-130		%Rec	1	10/22/2021 11:11:51 PM	63466

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

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

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Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-18A 2'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 12:48:00 PM

Lab ID: 2110980-018

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	140	60		mg/Kg	20	10/22/2021 11:32:16 PM	63496
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/22/2021 11:50:01 PM	63485
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/22/2021 11:50:01 PM	63485
Surr: DNOP	69.6	70-130	S	%Rec	1	10/22/2021 11:50:01 PM	63485
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/22/2021 11:26:00 AM	63469
Surr: BFB	110	70-130		%Rec	1	10/22/2021 11:26:00 AM	63469
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.023		mg/Kg	1	10/22/2021 11:26:00 AM	63469
Toluene	ND	0.046		mg/Kg	1	10/22/2021 11:26:00 AM	63469
Ethylbenzene	ND	0.046		mg/Kg	1	10/22/2021 11:26:00 AM	63469
Xylenes, Total	ND	0.093		mg/Kg	1	10/22/2021 11:26:00 AM	63469
Surr: 4-Bromofluorobenzene	94.0	70-130		%Rec	1	10/22/2021 11:26:00 AM	63469

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

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

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Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-19A 2'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 12:51:00 PM

Lab ID: 2110980-019

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	140	60		mg/Kg	20	10/22/2021 11:44:40 PM	63496
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/23/2021 12:00:58 AM	63485
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/23/2021 12:00:58 AM	63485
Surr: DNOP	90.1	70-130		%Rec	1	10/23/2021 12:00:58 AM	63485
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/22/2021 12:25:00 PM	63469
Surr: BFB	107	70-130		%Rec	1	10/22/2021 12:25:00 PM	63469
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/22/2021 12:25:00 PM	63469
Toluene	ND	0.048		mg/Kg	1	10/22/2021 12:25:00 PM	63469
Ethylbenzene	ND	0.048		mg/Kg	1	10/22/2021 12:25:00 PM	63469
Xylenes, Total	ND	0.097		mg/Kg	1	10/22/2021 12:25:00 PM	63469
Surr: 4-Bromofluorobenzene	95.2	70-130		%Rec	1	10/22/2021 12:25:00 PM	63469

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

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

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Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-20A 2'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 12:54:00 PM

Lab ID: 2110980-020

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	240	59		mg/Kg	20	10/23/2021 12:46:45 AM	63496
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/23/2021 12:11:53 AM	63485
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/23/2021 12:11:53 AM	63485
Surr: DNOP	89.0	70-130		%Rec	1	10/23/2021 12:11:53 AM	63485
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/22/2021 1:24:00 PM	63469
Surr: BFB	102	70-130		%Rec	1	10/22/2021 1:24:00 PM	63469
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/22/2021 1:24:00 PM	63469
Toluene	ND	0.047		mg/Kg	1	10/22/2021 1:24:00 PM	63469
Ethylbenzene	ND	0.047		mg/Kg	1	10/22/2021 1:24:00 PM	63469
Xylenes, Total	ND	0.094		mg/Kg	1	10/22/2021 1:24:00 PM	63469
Surr: 4-Bromofluorobenzene	87.5	70-130		%Rec	1	10/22/2021 1:24:00 PM	63469

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

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

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Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-21A 2'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 1:15:00 PM

Lab ID: 2110980-021

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	250	60		mg/Kg	20	10/23/2021 1:48:48 AM	63501
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	10/23/2021 12:54:47 AM	63486
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/23/2021 12:54:47 AM	63486
Surr: DNOP	108	70-130		%Rec	1	10/23/2021 12:54:47 AM	63486
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/22/2021 1:44:00 PM	63469
Surr: BFB	104	70-130		%Rec	1	10/22/2021 1:44:00 PM	63469
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	10/22/2021 1:44:00 PM	63469
Toluene	ND	0.050		mg/Kg	1	10/22/2021 1:44:00 PM	63469
Ethylbenzene	ND	0.050		mg/Kg	1	10/22/2021 1:44:00 PM	63469
Xylenes, Total	ND	0.10		mg/Kg	1	10/22/2021 1:44:00 PM	63469
Surr: 4-Bromofluorobenzene	90.5	70-130		%Rec	1	10/22/2021 1:44:00 PM	63469

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

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

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Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-22A 2'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 1:18:00 PM

Lab ID: 2110980-022

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	260	60		mg/Kg	20	10/23/2021 2:01:13 AM	63501
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/23/2021 1:26:43 AM	63486
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/23/2021 1:26:43 AM	63486
Surr: DNOP	85.3	70-130		%Rec	1	10/23/2021 1:26:43 AM	63486
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/22/2021 2:03:00 PM	63469
Surr: BFB	102	70-130		%Rec	1	10/22/2021 2:03:00 PM	63469
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/22/2021 2:03:00 PM	63469
Toluene	ND	0.048		mg/Kg	1	10/22/2021 2:03:00 PM	63469
Ethylbenzene	ND	0.048		mg/Kg	1	10/22/2021 2:03:00 PM	63469
Xylenes, Total	ND	0.096		mg/Kg	1	10/22/2021 2:03:00 PM	63469
Surr: 4-Bromofluorobenzene	89.6	70-130		%Rec	1	10/22/2021 2:03:00 PM	63469

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

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

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Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-23A 1'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 1:21:00 PM

Lab ID: 2110980-023

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	250	59		mg/Kg	20	10/23/2021 2:13:38 AM	63501
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/23/2021 1:37:23 AM	63486
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/23/2021 1:37:23 AM	63486
Surr: DNOP	90.1	70-130		%Rec	1	10/23/2021 1:37:23 AM	63486
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/22/2021 2:23:00 PM	63469
Surr: BFB	102	70-130		%Rec	1	10/22/2021 2:23:00 PM	63469
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/22/2021 2:23:00 PM	63469
Toluene	ND	0.047		mg/Kg	1	10/22/2021 2:23:00 PM	63469
Ethylbenzene	ND	0.047		mg/Kg	1	10/22/2021 2:23:00 PM	63469
Xylenes, Total	ND	0.094		mg/Kg	1	10/22/2021 2:23:00 PM	63469
Surr: 4-Bromofluorobenzene	87.3	70-130		%Rec	1	10/22/2021 2:23:00 PM	63469

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

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

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Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-24A 1'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 1:24:00 PM

Lab ID: 2110980-024

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	290	60		mg/Kg	20	10/23/2021 2:26:02 AM	63501
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/23/2021 1:48:03 AM	63486
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/23/2021 1:48:03 AM	63486
Surr: DNOP	100	70-130		%Rec	1	10/23/2021 1:48:03 AM	63486
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/22/2021 2:42:00 PM	63469
Surr: BFB	104	70-130		%Rec	1	10/22/2021 2:42:00 PM	63469
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/22/2021 2:42:00 PM	63469
Toluene	ND	0.047		mg/Kg	1	10/22/2021 2:42:00 PM	63469
Ethylbenzene	ND	0.047		mg/Kg	1	10/22/2021 2:42:00 PM	63469
Xylenes, Total	ND	0.094		mg/Kg	1	10/22/2021 2:42:00 PM	63469
Surr: 4-Bromofluorobenzene	88.2	70-130		%Rec	1	10/22/2021 2:42:00 PM	63469

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

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

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Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-25A 1'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 1:27:00 PM

Lab ID: 2110980-025

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	310	60		mg/Kg	20	10/23/2021 2:38:27 AM	63501
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/23/2021 1:58:43 AM	63486
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/23/2021 1:58:43 AM	63486
Surr: DNOP	89.6	70-130		%Rec	1	10/23/2021 1:58:43 AM	63486
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/22/2021 3:02:00 PM	63469
Surr: BFB	104	70-130		%Rec	1	10/22/2021 3:02:00 PM	63469
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/22/2021 3:02:00 PM	63469
Toluene	ND	0.048		mg/Kg	1	10/22/2021 3:02:00 PM	63469
Ethylbenzene	ND	0.048		mg/Kg	1	10/22/2021 3:02:00 PM	63469
Xylenes, Total	ND	0.095		mg/Kg	1	10/22/2021 3:02:00 PM	63469
Surr: 4-Bromofluorobenzene	89.5	70-130		%Rec	1	10/22/2021 3:02:00 PM	63469

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

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

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Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-26A 1'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 1:30:00 PM

Lab ID: 2110980-026

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	330	60		mg/Kg	20	10/23/2021 3:15:41 AM	63501
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/23/2021 2:09:23 AM	63486
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/23/2021 2:09:23 AM	63486
Surr: DNOP	93.2	70-130		%Rec	1	10/23/2021 2:09:23 AM	63486
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/22/2021 3:22:00 PM	63469
Surr: BFB	100	70-130		%Rec	1	10/22/2021 3:22:00 PM	63469
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	10/22/2021 3:22:00 PM	63469
Toluene	ND	0.050		mg/Kg	1	10/22/2021 3:22:00 PM	63469
Ethylbenzene	ND	0.050		mg/Kg	1	10/22/2021 3:22:00 PM	63469
Xylenes, Total	ND	0.10		mg/Kg	1	10/22/2021 3:22:00 PM	63469
Surr: 4-Bromofluorobenzene	89.0	70-130		%Rec	1	10/22/2021 3:22:00 PM	63469

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

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

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Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-27A 1'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 1:33:00 PM

Lab ID: 2110980-027

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	290	59		mg/Kg	20	10/23/2021 3:28:06 AM	63501
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/23/2021 2:20:04 AM	63486
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/23/2021 2:20:04 AM	63486
Surr: DNOP	85.1	70-130		%Rec	1	10/23/2021 2:20:04 AM	63486
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/22/2021 3:41:00 PM	63469
Surr: BFB	107	70-130		%Rec	1	10/22/2021 3:41:00 PM	63469
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/22/2021 3:41:00 PM	63469
Toluene	ND	0.047		mg/Kg	1	10/22/2021 3:41:00 PM	63469
Ethylbenzene	ND	0.047		mg/Kg	1	10/22/2021 3:41:00 PM	63469
Xylenes, Total	ND	0.095		mg/Kg	1	10/22/2021 3:41:00 PM	63469
Surr: 4-Bromofluorobenzene	92.9	70-130		%Rec	1	10/22/2021 3:41:00 PM	63469

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

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

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Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: N.SW-1 1-2'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 1:50:00 PM

Lab ID: 2110980-028

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	130	60		mg/Kg	20	10/23/2021 3:40:31 AM	63501
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	10/23/2021 2:30:46 AM	63486
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/23/2021 2:30:46 AM	63486
Surr: DNOP	104	70-130		%Rec	1	10/23/2021 2:30:46 AM	63486
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/22/2021 4:40:00 PM	63469
Surr: BFB	102	70-130		%Rec	1	10/22/2021 4:40:00 PM	63469
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	10/22/2021 4:40:00 PM	63469
Toluene	ND	0.050		mg/Kg	1	10/22/2021 4:40:00 PM	63469
Ethylbenzene	ND	0.050		mg/Kg	1	10/22/2021 4:40:00 PM	63469
Xylenes, Total	ND	0.099		mg/Kg	1	10/22/2021 4:40:00 PM	63469
Surr: 4-Bromofluorobenzene	87.7	70-130		%Rec	1	10/22/2021 4:40:00 PM	63469

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

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

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Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: N.SW-2 1-2'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 1:53:00 PM

Lab ID: 2110980-029

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	110	60		mg/Kg	20	10/23/2021 3:52:56 AM	63501
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/23/2021 2:41:27 AM	63486
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/23/2021 2:41:27 AM	63486
Surr: DNOP	84.1	70-130		%Rec	1	10/23/2021 2:41:27 AM	63486
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/22/2021 4:59:00 PM	63469
Surr: BFB	105	70-130		%Rec	1	10/22/2021 4:59:00 PM	63469
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/22/2021 4:59:00 PM	63469
Toluene	ND	0.049		mg/Kg	1	10/22/2021 4:59:00 PM	63469
Ethylbenzene	ND	0.049		mg/Kg	1	10/22/2021 4:59:00 PM	63469
Xylenes, Total	ND	0.097		mg/Kg	1	10/22/2021 4:59:00 PM	63469
Surr: 4-Bromofluorobenzene	88.0	70-130		%Rec	1	10/22/2021 4:59:00 PM	63469

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

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

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Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S.SW-1 1-2'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 2:00:00 PM

Lab ID: 2110980-030

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	120	60		mg/Kg	20	10/23/2021 4:05:21 AM	63501
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	10/23/2021 2:52:10 AM	63486
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/23/2021 2:52:10 AM	63486
Surr: DNOP	84.9	70-130		%Rec	1	10/23/2021 2:52:10 AM	63486
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/22/2021 5:19:00 PM	63469
Surr: BFB	112	70-130		%Rec	1	10/22/2021 5:19:00 PM	63469
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	10/22/2021 5:19:00 PM	63469
Toluene	ND	0.050		mg/Kg	1	10/22/2021 5:19:00 PM	63469
Ethylbenzene	ND	0.050		mg/Kg	1	10/22/2021 5:19:00 PM	63469
Xylenes, Total	ND	0.10		mg/Kg	1	10/22/2021 5:19:00 PM	63469
Surr: 4-Bromofluorobenzene	87.0	70-130		%Rec	1	10/22/2021 5:19:00 PM	63469

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

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

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Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S.SW-2 1-2'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 2:03:00 PM

Lab ID: 2110980-031

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	110	59		mg/Kg	20	10/23/2021 4:17:45 AM	63501
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/23/2021 3:02:53 AM	63486
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/23/2021 3:02:53 AM	63486
Surr: DNOP	86.5	70-130		%Rec	1	10/23/2021 3:02:53 AM	63486
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/22/2021 5:39:00 PM	63469
Surr: BFB	109	70-130		%Rec	1	10/22/2021 5:39:00 PM	63469
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	10/22/2021 5:39:00 PM	63469
Toluene	ND	0.050		mg/Kg	1	10/22/2021 5:39:00 PM	63469
Ethylbenzene	ND	0.050		mg/Kg	1	10/22/2021 5:39:00 PM	63469
Xylenes, Total	ND	0.099		mg/Kg	1	10/22/2021 5:39:00 PM	63469
Surr: 4-Bromofluorobenzene	88.9	70-130		%Rec	1	10/22/2021 5:39:00 PM	63469

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

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

Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: W.SW 1'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 2:10:00 PM

Lab ID: 2110980-032

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	100	60		mg/Kg	20	10/23/2021 4:30:10 AM	63501
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/23/2021 3:13:36 AM	63486
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/23/2021 3:13:36 AM	63486
Surr: DNOP	88.3	70-130		%Rec	1	10/23/2021 3:13:36 AM	63486
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/22/2021 5:58:00 PM	63469
Surr: BFB	104	70-130		%Rec	1	10/22/2021 5:58:00 PM	63469
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.023		mg/Kg	1	10/22/2021 5:58:00 PM	63469
Toluene	ND	0.047		mg/Kg	1	10/22/2021 5:58:00 PM	63469
Ethylbenzene	ND	0.047		mg/Kg	1	10/22/2021 5:58:00 PM	63469
Xylenes, Total	ND	0.093		mg/Kg	1	10/22/2021 5:58:00 PM	63469
Surr: 4-Bromofluorobenzene	88.4	70-130		%Rec	1	10/22/2021 5:58:00 PM	63469

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

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

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Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: E.SW 1'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 2:15:00 PM

Lab ID: 2110980-033

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	73	59		mg/Kg	20	10/23/2021 4:42:35 AM	63501
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/23/2021 3:24:19 AM	63486
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/23/2021 3:24:19 AM	63486
Surr: DNOP	88.1	70-130		%Rec	1	10/23/2021 3:24:19 AM	63486
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/22/2021 6:18:00 PM	63469
Surr: BFB	102	70-130		%Rec	1	10/22/2021 6:18:00 PM	63469
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.023		mg/Kg	1	10/22/2021 6:18:00 PM	63469
Toluene	ND	0.046		mg/Kg	1	10/22/2021 6:18:00 PM	63469
Ethylbenzene	ND	0.046		mg/Kg	1	10/22/2021 6:18:00 PM	63469
Xylenes, Total	ND	0.093		mg/Kg	1	10/22/2021 6:18:00 PM	63469
Surr: 4-Bromofluorobenzene	88.8	70-130		%Rec	1	10/22/2021 6:18:00 PM	63469

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

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

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Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: BG-1 0'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 2:30:00 PM

Lab ID: 2110980-034

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	10/23/2021 4:54:59 AM	63501
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	8.4		mg/Kg	1	10/23/2021 3:35:03 AM	63486
Motor Oil Range Organics (MRO)	ND	42		mg/Kg	1	10/23/2021 3:35:03 AM	63486
Surr: DNOP	87.2	70-130		%Rec	1	10/23/2021 3:35:03 AM	63486
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/22/2021 6:37:00 PM	63469
Surr: BFB	117	70-130		%Rec	1	10/22/2021 6:37:00 PM	63469
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.023		mg/Kg	1	10/22/2021 6:37:00 PM	63469
Toluene	ND	0.047		mg/Kg	1	10/22/2021 6:37:00 PM	63469
Ethylbenzene	ND	0.047		mg/Kg	1	10/22/2021 6:37:00 PM	63469
Xylenes, Total	ND	0.093		mg/Kg	1	10/22/2021 6:37:00 PM	63469
Surr: 4-Bromofluorobenzene	90.4	70-130		%Rec	1	10/22/2021 6:37:00 PM	63469

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

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

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Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: BG-2 0'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 2:35:00 PM

Lab ID: 2110980-035

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	10/23/2021 5:07:23 AM	63501
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	10/23/2021 3:45:48 AM	63486
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/23/2021 3:45:48 AM	63486
Surr: DNOP	85.2	70-130		%Rec	1	10/23/2021 3:45:48 AM	63486
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/22/2021 6:57:00 PM	63469
Surr: BFB	105	70-130		%Rec	1	10/22/2021 6:57:00 PM	63469
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/22/2021 6:57:00 PM	63469
Toluene	ND	0.049		mg/Kg	1	10/22/2021 6:57:00 PM	63469
Ethylbenzene	ND	0.049		mg/Kg	1	10/22/2021 6:57:00 PM	63469
Xylenes, Total	ND	0.098		mg/Kg	1	10/22/2021 6:57:00 PM	63469
Surr: 4-Bromofluorobenzene	83.9	70-130		%Rec	1	10/22/2021 6:57:00 PM	63469

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

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

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Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: BG-3 0'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 2:40:00 PM

Lab ID: 2110980-036

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	10/23/2021 5:44:38 AM	63501
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/23/2021 3:56:33 AM	63486
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/23/2021 3:56:33 AM	63486
Surr: DNOP	99.7	70-130		%Rec	1	10/23/2021 3:56:33 AM	63486
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/22/2021 7:16:00 PM	63469
Surr: BFB	106	70-130		%Rec	1	10/22/2021 7:16:00 PM	63469
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/22/2021 7:16:00 PM	63469
Toluene	ND	0.049		mg/Kg	1	10/22/2021 7:16:00 PM	63469
Ethylbenzene	ND	0.049		mg/Kg	1	10/22/2021 7:16:00 PM	63469
Xylenes, Total	ND	0.097		mg/Kg	1	10/22/2021 7:16:00 PM	63469
Surr: 4-Bromofluorobenzene	84.1	70-130		%Rec	1	10/22/2021 7:16:00 PM	63469

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

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

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Analytical Report

Lab Order 2110980

Date Reported: 10/26/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: BG-4 0'

Project: Falcon Riser Spill

Collection Date: 10/19/2021 2:45:00 PM

Lab ID: 2110980-037

Matrix: SOIL

Received Date: 10/21/2021 7:35:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	10/23/2021 5:57:02 AM	63501
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/23/2021 4:07:27 AM	63486
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/23/2021 4:07:27 AM	63486
Surr: DNOP	86.8	70-130		%Rec	1	10/23/2021 4:07:27 AM	63486
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/22/2021 7:36:00 PM	63469
Surr: BFB	104	70-130		%Rec	1	10/22/2021 7:36:00 PM	63469
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	10/22/2021 7:36:00 PM	63469
Toluene	ND	0.050		mg/Kg	1	10/22/2021 7:36:00 PM	63469
Ethylbenzene	ND	0.050		mg/Kg	1	10/22/2021 7:36:00 PM	63469
Xylenes, Total	ND	0.10		mg/Kg	1	10/22/2021 7:36:00 PM	63469
Surr: 4-Bromofluorobenzene	84.5	70-130		%Rec	1	10/22/2021 7:36:00 PM	63469

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

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

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

WO#: 2110980

26-Oct-21

Client: Talon Artesia
Project: Falcon Riser Spill

Sample ID: MB-63496	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 63496	RunNo: 82259								
Prep Date: 10/22/2021	Analysis Date: 10/22/2021	SeqNo: 2917908		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-63496	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 63496	RunNo: 82259								
Prep Date: 10/22/2021	Analysis Date: 10/22/2021	SeqNo: 2917909		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.6	90	110			

Sample ID: MB-63501	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 63501	RunNo: 82259								
Prep Date: 10/22/2021	Analysis Date: 10/23/2021	SeqNo: 2917940		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-63501	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 63501	RunNo: 82259								
Prep Date: 10/22/2021	Analysis Date: 10/23/2021	SeqNo: 2917941		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.7	90	110			

Qualifiers:

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

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

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

WO#: 2110980

26-Oct-21

Client: Talon Artesia
Project: Falcon Riser Spill

Sample ID: 2110980-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-1A 1'	Batch ID: 63485	RunNo: 82270								
Prep Date: 10/22/2021	Analysis Date: 10/22/2021	SeqNo: 2916961 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	9.7	48.54	0	87.2	39.3	155			
Surr: DNOP	4.2		4.854		85.6	70	130			

Sample ID: 2110980-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-1A 1'	Batch ID: 63485	RunNo: 82270								
Prep Date: 10/22/2021	Analysis Date: 10/22/2021	SeqNo: 2916962 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	9.6	48.12	0	88.1	39.3	155	0.162	23.4	
Surr: DNOP	4.1		4.812		84.9	70	130	0	0	

Sample ID: 2110980-021AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-21A 2'	Batch ID: 63486	RunNo: 82270								
Prep Date: 10/22/2021	Analysis Date: 10/23/2021	SeqNo: 2916985 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	9.7	48.40	0	86.7	39.3	155			
Surr: DNOP	4.2		4.840		86.8	70	130			

Sample ID: 2110980-021AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-21A 2'	Batch ID: 63486	RunNo: 82270								
Prep Date: 10/22/2021	Analysis Date: 10/23/2021	SeqNo: 2916986 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	9.2	45.87	0	89.0	39.3	155	2.72	23.4	
Surr: DNOP	3.8		4.587		82.4	70	130	0	0	

Sample ID: LCS-63485	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 63485	RunNo: 82270								
Prep Date: 10/22/2021	Analysis Date: 10/22/2021	SeqNo: 2917006 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	90.3	68.9	135			
Surr: DNOP	4.5		5.000		89.2	70	130			

Sample ID: LCS-63486	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 63486	RunNo: 82270								
Prep Date: 10/22/2021	Analysis Date: 10/23/2021	SeqNo: 2917007 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

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

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

WO#: 2110980

26-Oct-21

Client: Talon Artesia
Project: Falcon Riser Spill

Sample ID: LCS-63486	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 63486	RunNo: 82270								
Prep Date: 10/22/2021	Analysis Date: 10/23/2021	SeqNo: 2917007	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	87.0	68.9	135			
Surr: DNOP	4.0		5.000		79.8	70	130			

Sample ID: MB-63485	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 63485	RunNo: 82270								
Prep Date: 10/22/2021	Analysis Date: 10/22/2021	SeqNo: 2917008	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	7.5		10.00		75.5	70	130			

Sample ID: MB-63486	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 63486	RunNo: 82270								
Prep Date: 10/22/2021	Analysis Date: 10/23/2021	SeqNo: 2917009	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	8.4		10.00		83.9	70	130			

Qualifiers:

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

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

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

WO#: 2110980

26-Oct-21

Client: Talon Artesia
Project: Falcon Riser Spill

Sample ID: lcs-63469	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 63469		RunNo: 82283							
Prep Date: 10/21/2021	Analysis Date: 10/22/2021		SeqNo: 2917011		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	32	5.0	25.00	0	128	78.6	131			
Surr: BFB	1200		1000		124	70	130			

Sample ID: mb-63469	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 63469		RunNo: 82283							
Prep Date: 10/21/2021	Analysis Date: 10/22/2021		SeqNo: 2917012		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		111	70	130			

Sample ID: 2110980-018ams	SampType: MS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: S-18A 2'	Batch ID: 63469		RunNo: 82283							
Prep Date: 10/21/2021	Analysis Date: 10/22/2021		SeqNo: 2917014		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	34	5.0	24.95	0	138	61.3	114			S
Surr: BFB	1300		998.0		125	70	130			

Sample ID: 2110980-018amsd	SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: S-18A 2'	Batch ID: 63469		RunNo: 82283							
Prep Date: 10/21/2021	Analysis Date: 10/22/2021		SeqNo: 2917015		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	36	5.0	24.80	0	145	61.3	114	4.58	20	S
Surr: BFB	1300		992.1		131	70	130	0	0	S

Qualifiers:

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

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

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

WO#: 2110980

26-Oct-21

Client: Talon Artesia
Project: Falcon Riser Spill

Sample ID: lcs-63469	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 63469		RunNo: 82283							
Prep Date: 10/21/2021	Analysis Date: 10/22/2021		SeqNo: 2917064		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	104	80	120			
Toluene	1.0	0.050	1.000	0	103	80	120			
Ethylbenzene	1.0	0.050	1.000	0	104	80	120			
Xylenes, Total	3.2	0.10	3.000	0	107	80	120			
Surr: 4-Bromofluorobenzene	0.95		1.000		95.2	70	130			

Sample ID: mb-63469	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 63469		RunNo: 82283							
Prep Date: 10/21/2021	Analysis Date: 10/22/2021		SeqNo: 2917065		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.94		1.000		94.2	70	130			

Sample ID: 2110980-019ams	SampType: MS		TestCode: EPA Method 8021B: Volatiles							
Client ID: S-19A 2'	Batch ID: 63469		RunNo: 82283							
Prep Date: 10/21/2021	Analysis Date: 10/22/2021		SeqNo: 2917068		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	0.9980	0	109	80	120			
Toluene	1.1	0.050	0.9980	0	113	80	120			
Ethylbenzene	1.2	0.050	0.9980	0	116	80	120			
Xylenes, Total	3.5	0.10	2.994	0	118	80	120			
Surr: 4-Bromofluorobenzene	0.88		0.9980		88.1	70	130			

Sample ID: 2110980-019amsd	SampType: MSD		TestCode: EPA Method 8021B: Volatiles							
Client ID: S-19A 2'	Batch ID: 63469		RunNo: 82283							
Prep Date: 10/21/2021	Analysis Date: 10/22/2021		SeqNo: 2917069		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	109	80	120	0.380	20	
Toluene	1.2	0.050	1.000	0	119	80	120	5.24	20	
Ethylbenzene	1.2	0.050	1.000	0	119	80	120	2.84	20	
Xylenes, Total	3.7	0.10	3.000	0	124	80	120	4.45	20	S
Surr: 4-Bromofluorobenzene	0.95		1.000		94.9	70	130	0	0	

Qualifiers:

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

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

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

WO#: 2110980

26-Oct-21

Client: Talon Artesia
Project: Falcon Riser Spill

Sample ID: 2110980-002ams	SampType: MS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: S-2A 1'	Batch ID: 63466	RunNo: 82316								
Prep Date: 10/21/2021	Analysis Date: 10/23/2021	SeqNo: 2918802	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.2	0.024	0.9461	0	125	73.5	138			
Toluene	1.0	0.047	0.9461	0	111	83	131			
Ethylbenzene	1.1	0.047	0.9461	0	115	84.9	132			
Xylenes, Total	3.1	0.095	2.838	0	110	79.6	144			
Surr: 1,2-Dichloroethane-d4	0.47		0.4730		98.4	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.4730		104	70	130			
Surr: Dibromofluoromethane	0.48		0.4730		101	70	130			
Surr: Toluene-d8	0.44		0.4730		92.4	70	130			

Sample ID: 2110980-002amsd	SampType: MSD4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: S-2A 1'	Batch ID: 63466	RunNo: 82316								
Prep Date: 10/21/2021	Analysis Date: 10/23/2021	SeqNo: 2918803	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.2	0.024	0.9416	0	128	73.5	138	1.16	20	
Toluene	1.0	0.047	0.9416	0	111	83	131	0.0693	20	
Ethylbenzene	1.1	0.047	0.9416	0	115	84.9	132	0.885	20	
Xylenes, Total	3.2	0.094	2.825	0	114	79.6	144	2.72	20	
Surr: 1,2-Dichloroethane-d4	0.47		0.4708		100	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.48		0.4708		101	70	130	0	0	
Surr: Dibromofluoromethane	0.48		0.4708		101	70	130	0	0	
Surr: Toluene-d8	0.44		0.4708		93.1	70	130	0	0	

Sample ID: Ics-63466	SampType: LCS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: BatchQC	Batch ID: 63466	RunNo: 82316								
Prep Date: 10/21/2021	Analysis Date: 10/22/2021	SeqNo: 2918820	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	115	80	120			
Toluene	0.98	0.050	1.000	0	97.8	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.3	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.3	80	120			
Surr: 1,2-Dichloroethane-d4	0.51		0.5000		102	70	130			
Surr: 4-Bromofluorobenzene	0.52		0.5000		103	70	130			
Surr: Dibromofluoromethane	0.50		0.5000		99.5	70	130			
Surr: Toluene-d8	0.47		0.5000		94.5	70	130			

Qualifiers:

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110980

26-Oct-21

Client: Talon Artesia
Project: Falcon Riser Spill

Sample ID: mb-63466	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: 63466	RunNo: 82316								
Prep Date: 10/21/2021	Analysis Date: 10/22/2021	SeqNo: 2918821	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.52		0.5000		104	70	130			
Surr: 4-Bromofluorobenzene	0.52		0.5000		105	70	130			
Surr: Dibromofluoromethane	0.52		0.5000		105	70	130			
Surr: Toluene-d8	0.48		0.5000		95.2	70	130			

Qualifiers:

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

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

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

WO#: 2110980

26-Oct-21

Client: Talon Artesia
Project: Falcon Riser Spill

Sample ID: 2110980-001ams	SampType: MS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: S-1A 1'	Batch ID: 63466	RunNo: 82316								
Prep Date: 10/21/2021	Analysis Date: 10/23/2021	SeqNo: 2918825 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	4.9	24.65	0	111	64.4	124			
Surr: BFB	490		493.1		98.9	70	130			

Sample ID: 2110980-001amsd	SampType: MSD	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: S-1A 1'	Batch ID: 63466	RunNo: 82316								
Prep Date: 10/21/2021	Analysis Date: 10/23/2021	SeqNo: 2918826 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	4.9	24.61	0	112	64.4	124	0.413	20	
Surr: BFB	490		492.1		99.5	70	130	0	0	

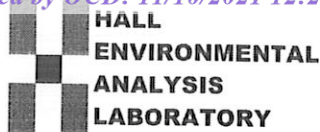
Sample ID: lcs-63466	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: LCSS	Batch ID: 63466	RunNo: 82316								
Prep Date: 10/21/2021	Analysis Date: 10/22/2021	SeqNo: 2918843 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	99.3	70	130			
Surr: BFB	490		500.0		97.5	70	130			

Sample ID: mb-63466	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: PBS	Batch ID: 63466	RunNo: 82316								
Prep Date: 10/21/2021	Analysis Date: 10/22/2021	SeqNo: 2918844 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	530		500.0		106	70	130			

Qualifiers:

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

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



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

Sample Log-In Check List

Client Name: Talon Artesia

Work Order Number: 2110980

RcptNo: 1

Received By: Cheyenne Cason 10/21/2021 7:35:00 AM

Completed By: Sean Livingston 10/21/2021 8:08:06 AM

Reviewed By: TME 10/21/21 9:43

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4$ " for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:
(≤ 2 or >12 unless noted)

Adjusted? _____

Checked by: KPG 10/21/21

Special Handling (if applicable)

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

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.0	Good				

Chain-of-Custody Record							
Client: Talon LPE		Turn-Around Time: 10/25/2021					
		<input type="checkbox"/> Standard <input type="checkbox"/> Rush					
Project Name:							
Mailing Address: 408 W. Texas Ave		Falcon Riser Spill (Falcon)					
Artesia, NM 88210							
Phone #: 575.746.8768		Project #: 700438.273.01					
email or Fax#:		Project Manager: R. Pons					
QA/QC Package:							
<input type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)							
Accreditation: <input type="checkbox"/> Az Compliance		Sampler: J. Carnes					
<input type="checkbox"/> NELAC <input type="checkbox"/> Other		On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
<input type="checkbox"/> EDD (Type)		# of Coolers: 1					
		Cooler Temp (including CF): 1.4 ± 0.1 = 2.0					
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	
10/19/2021	11:30	Soil	S-1A 1'		Ice/Cool	2110980	
	11:33		S-2A 1'			002	
	11:36		S-3A 1'			003	
	11:39		S-4A 1'			004	
	11:42		S-5A 2'			005	
	11:45		S-6A 1'			006	
	11:48		S-7A 2'			007	
	11:51		S-8A 2'			008	
	11:54		S-9A 2'			009	
	11:57		S-10A 2'			010	
	12:00		S-11A 2'			011	
	12:30		S-12A 2'			012	
Date:	Time:	Relinquished by:		Received by:		Date	Time
10/20/21	7:50	[Signature]		[Signature]		10/20/21	7:50
Date:	Time:	Relinquished by:		Received by:		Date	Time
10/20/21	9:00	[Signature]		[Signature]		10/20/21	9:35

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

Chain-of-Custody Record						
Client: Talon LPE		Turn-Around Time: 10/25/2021				
		<input type="checkbox"/> Standard <input type="checkbox"/> Rush				
Project Name:						
Mailing Address: 408 W. Texas Ave		Falcon Riser Spill (Falcon)				
Artesia, NM 88210						
Phone #: 575.746.8768		Project #: 700438.273.01				
email or Fax#:		Project Manager: R. Pons				
QA/QC Package:						
<input type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)						
Accreditation: <input type="checkbox"/> Az Compliance		Sampler: J. Carnes				
<input type="checkbox"/> NELAC <input type="checkbox"/> Other		On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				
<input type="checkbox"/> EDD (Type)		# of Coolers: 1				
		Cooler Temp (including CF): 1.9 + 0.1 = 2.0				
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
10/19/2021	12:33	Soil	S-13A 2'		Ice/Cool	013
	12:36		S-14A 2'			014
	12:39		S-15A 2'			015
	12:42		S-16A 2'			016
	12:45		S-17A 2'			017
	12:48		S-18A 2'			018
	12:51		S-19A 2'			019
	12:54		S-20A 2'			020
	1:15		S-21A 2'			021
	1:18		S-22A 2'			022
	1:21		S-23A 1'			023
	1:24		S-24A 1'			024
Date: 10/20/21	Time: 1:50	Relinquished by: [Signature]		Received by: [Signature]		Date: 10/20/21
Date: 10/20/21	Time: 1:00	Relinquished by: [Signature]		Received by: [Signature]		Date: 10/21/21

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

Chain-of-Custody Record

Client: Talon LPE

Mailing Address: 408 W. Texas Ave

Artesia, NM 88210

Phone #: 575.746.8768

email or Fax#:

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: 10/25/2021

☐ Standard ☐ Rush

Project Name:

Falcon Riser Spill (Falcon)

Project #: 700438.273.01

Project Manager: R. Pons

Sampler: J. Carnes

On Ice: ☒ Yes ☐ No

of Coolers: 1

Cooler Temp (including CF): 1.9 + 0.1 = 2.0

Container Type and #

Preservative Type

HEAL No.

Glass Jar

Ice/Cool

025

026

027

028

029

030

031

032

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District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 61173

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 61173
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	12/8/2021