

Incident ID	nAPP2122452744
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: Chase Settle Title: Rep Safety & Environmental Sr

Signature:  Date: 11/3/2021

Email: Chase_Settle@eogresouces.com Telephone: 575-748-1471

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:  Date: 12/08/2021

Printed Name: Chad Hensley Title: Environmental Specialist Advanced

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Closure Report

Red Hat State SWD #1
Lea County, New Mexico
Incident # nAPP2122452744
API # 30-025-31110

Prepared For:

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

Prepared By:

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

November 08, 2021



Mike Bratcher
NMOCD
1301 W Grand Ave.
Artesia, NM 88210

Subject: **Remediation and Closure Report**
Red Hat State SWD #1
Lea County, New Mexico
Incident # nAPP2122452744
API # 30-025-31110

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 actions and closure request is presented herein.

Site Information

The Red Hat State SWD #1 is located approximately forty-five (45) miles northeast of Artesia, New Mexico. The legal location for this release is Unit Letter G, Section 2, Township 16 South and Range 33 East in Lea County, New Mexico. More specifically the latitude and longitude for the release are 32.95266 and -103.63172. 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 Kimbrough gravelly loam, 0 to 3 percent slopes. The referenced soil data is presented in [Appendix II](#). Per the New Mexico Bureau of Geology and Mineral Resources, the local geology consists of the Ogallala Formation, lower Pliocene to Middle Miocene in age, and comprised of alluvial and eolian deposits and petrocalcic soils of the southern high plains. 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 105 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 potential 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, Table I, New Mexico Oil Conservation Division (NMOCD) Rule 19.15.29 NMAC.

Approximate Depth to Groundwater 105 Feet/bgs

- Yes No Within 300 feet of any continuously flowing watercourse or any other significant watercourse
- Yes No Within 200 feet of any lakebed, sinkhole or a playa lake
- Yes No Within 300 feet from an occupied permanent residence, school, hospital, institution or church
- Yes No Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes
- Yes No Within 1000 feet of any freshwater well or spring
- Yes 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
- Yes No Within 300 feet of a wetland
- Yes No Within the area overlying a subsurface mine
- Yes No Within an unstable area
- Yes No Within a 100-year floodplain

Because the release occurred on a location where the well is plugged and location is to be reclaimed, the clean up criteria for for the upper 4 feet of this site per NMAC 19.15.29.13.D is as follows:

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

Incident Description

During routine site clean-up activities and decommissioning of the facility, EOG personnel noted historical staining under one of the 210 barrel steel tanks. Due to the size of the impacted area, a C-141 spill notification was filed with the NMOCD, and is referenced in [Appendix III](#). The site map is presented in [Appendix I](#).

Site Assessment

On August 05, 2021 Talon mobilized personnel to the site to conduct an initial site assessment. The impacted area was mapped utilizing a Trimble Juno 3B, photographed and sampled utilizing a hand auger. 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 Figure 2 ([Appendix I](#)) and the results of our sampling event are presented on the following data table.

Table I
08/12/2021 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	GRO + DRO + MRO = 100 mg/kg			100 mg/kg	600 mg/kg
S-1	8/5/2021	0-1'	30.7	ND	570	14000	8100	22670	830
	8/5/2021	2'	0.10	ND	7.5	160	100	267.5	130
S-2	8/5/2021	0-1'R	ND	ND	ND	510	530	1040	2200
S-3	8/5/2021	0-1'R	ND	ND	ND	210	540	750	1600
S-4	8/5/2021	0-1'R	ND	ND	ND	32	98	130	870
BG-1	8/5/2021	0-1'	ND	ND	ND	ND	ND	ND	ND
BG-2	8/5/2021	0-1'	ND	ND	ND	ND	ND	ND	230
BG-3	8/5/2021	0-1'	ND	ND	ND	ND	ND	ND	3500
BG-4	8/5/2021	0-1'	ND	ND	ND	ND	ND	ND	180

ND=Analyte Not Detected R=Hand Auger Refusal BG=Background

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

On October 13, 2021, based on the laboratory results from the initial site assessment and upon client authorization, Talon personnel and equipment were mobilized to the site to commence remediation of the impacted area. Field titration data was used to guide the excavation. The excavated area measured approximately 120 feet long, 32 feet wide and 3 feet to 6 feet deep. Composite soil samples were collected from the bottom and sidewalls of the excavated area, as well as from background locations. All soil samples were properly collected and preserved for transport to Hall Laboratories in order to confirm that NMOCD clean-up criteria had been achieved. The confirmation results from the laboratory are tabulated below. Confirmation sample locations are illustrated on Figure 3 ([Appendix I](#)).

Table II
10-26-21 Soil Sample Laboratory Results

Sample ID	Sample Date	Depth (bgs)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO + MRO combined = 100 mg/kg			100 mg/kg	600 mg/kg
S-1A	10/13/2021	3'	ND	ND	ND	ND	ND	ND	ND
S-2A	10/13/2021	3'	ND	ND	ND	ND	ND	ND	69
S-3A	10/13/2021	3'	ND	ND	ND	ND	ND	ND	ND
S-4A	10/13/2021	3'	ND	ND	ND	ND	ND	ND	ND
S-5A	10/13/2021	3'	ND	ND	ND	ND	ND	ND	61
S-6A	10/13/2021	3'	ND	ND	ND	ND	ND	ND	80
S-7A	10/13/2021	3'	ND	ND	ND	ND	ND	ND	ND
S-8A	10/13/2021	3'	ND	ND	ND	ND	ND	ND	ND
S-9A	10/13/2021	3'	ND	ND	ND	ND	ND	ND	68
S-10A	10/13/2021	5'	ND	ND	ND	ND	ND	ND	95
S-11A	10/13/2021	5'	ND	ND	ND	ND	ND	ND	97
S-12A	10/13/2021	5'	ND	ND	ND	ND	ND	ND	120
S-13A	10/13/2021	5'	ND	ND	ND	ND	ND	ND	150
S-14A	10/13/2021	5'	ND	ND	ND	ND	ND	ND	120
S-15A	10/13/2021	5'	ND	ND	ND	ND	ND	ND	130
S-16A	10/13/2021	6'	ND	ND	ND	ND	ND	ND	140
S-17A	10/13/2021	6'	ND	ND	ND	ND	ND	ND	92
S-18A	10/13/2021	6'	ND	ND	ND	ND	ND	ND	98
S-19A	10/13/2021	6'	ND	ND	ND	ND	ND	ND	85
S-20A	10/13/2021	6'	ND	ND	ND	ND	ND	ND	93
S-21A	10/13/2021	6'	ND	ND	ND	ND	ND	ND	77
S-22A	10/13/2021	6'	ND	ND	ND	ND	ND	ND	82
S-23A	10/13/2021	6'	ND	ND	ND	ND	ND	ND	63
S-24A	10/13/2021	6'	ND	ND	ND	ND	ND	ND	60
BG-3	10/13/2021	2'	ND	ND	ND	ND	ND	ND	ND
BG-3A	10/13/2021	0-1'	ND	ND	ND	ND	ND	ND	ND
N.SW-1	10/14/2021	6'	ND	ND	ND	ND	ND	ND	ND
N.SW-2	10/14/2021	6'	ND	ND	ND	ND	ND	ND	68
N.SW-3	10/14/2021	5'	ND	ND	ND	ND	ND	ND	110
N.SW-4	10/14/2021	3'	ND	ND	ND	ND	ND	ND	87
S.SW-1	10/14/2021	6'	ND	ND	ND	ND	ND	ND	ND
S.SW-2	10/14/2021	6'	ND	ND	ND	ND	ND	ND	73
S.SW-3	10/14/2021	5'	ND	ND	ND	ND	ND	ND	84
S.SW-4	10/14/2021	3'	ND	ND	ND	ND	ND	ND	61
E.SW	10/14/2021	3'	ND	ND	ND	ND	ND	ND	89
W.SW	10/14/2021	6'	ND	ND	ND	ND	ND	ND	75

ND = Analyte Not Detected N.SW = North Sidewall Sample

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

Remedial Actions

- The spill footprint was excavated to depths of 3 feet to 6 feet bgs and to the horizontal extent that all surface staining and hydrocarbon odors were removed. Laboratory analysis confirms that NMOCD closure criteria for soil remediation has been achieved.
- Background and sidewall samples were obtained in order to confirm horizontal delineation.
- The area in the vicinity of background sample BG-3 was scraped to a depth of 1 foot bgs and confirmation samples collected to verify NMOCD clean up criteria was met.
- All contaminated soil was transported to Lea Land, LLC, a NMOCD approved solid waste disposal facility.
- The excavated area was backfilled with clean caliche, machine compacted, and restored to grade.

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 this incident be granted.

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

Respectfully submitted,

Talon/LPE

Rebecca S. Pons
Senior Environmental Project Manager

David J. Adkins
Regional Manager

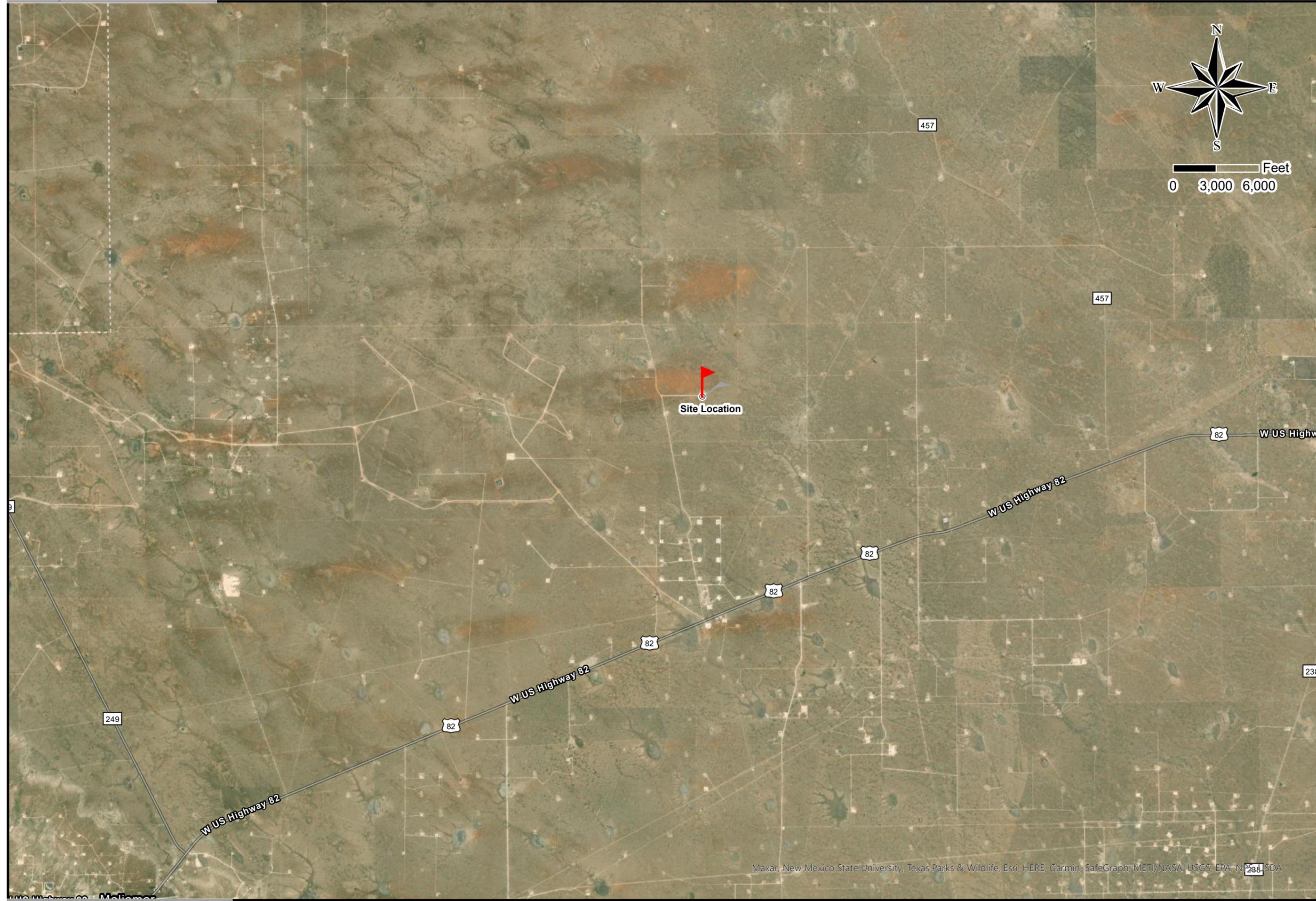
Attachments:

Appendix I Site Plans
Appendix II Groundwater Data, Soil Survey
Appendix III C-141 Forms
Appendix IV Photographic Documentation
Appendix V Laboratory Data



APPENDIX I

SITE PLANS



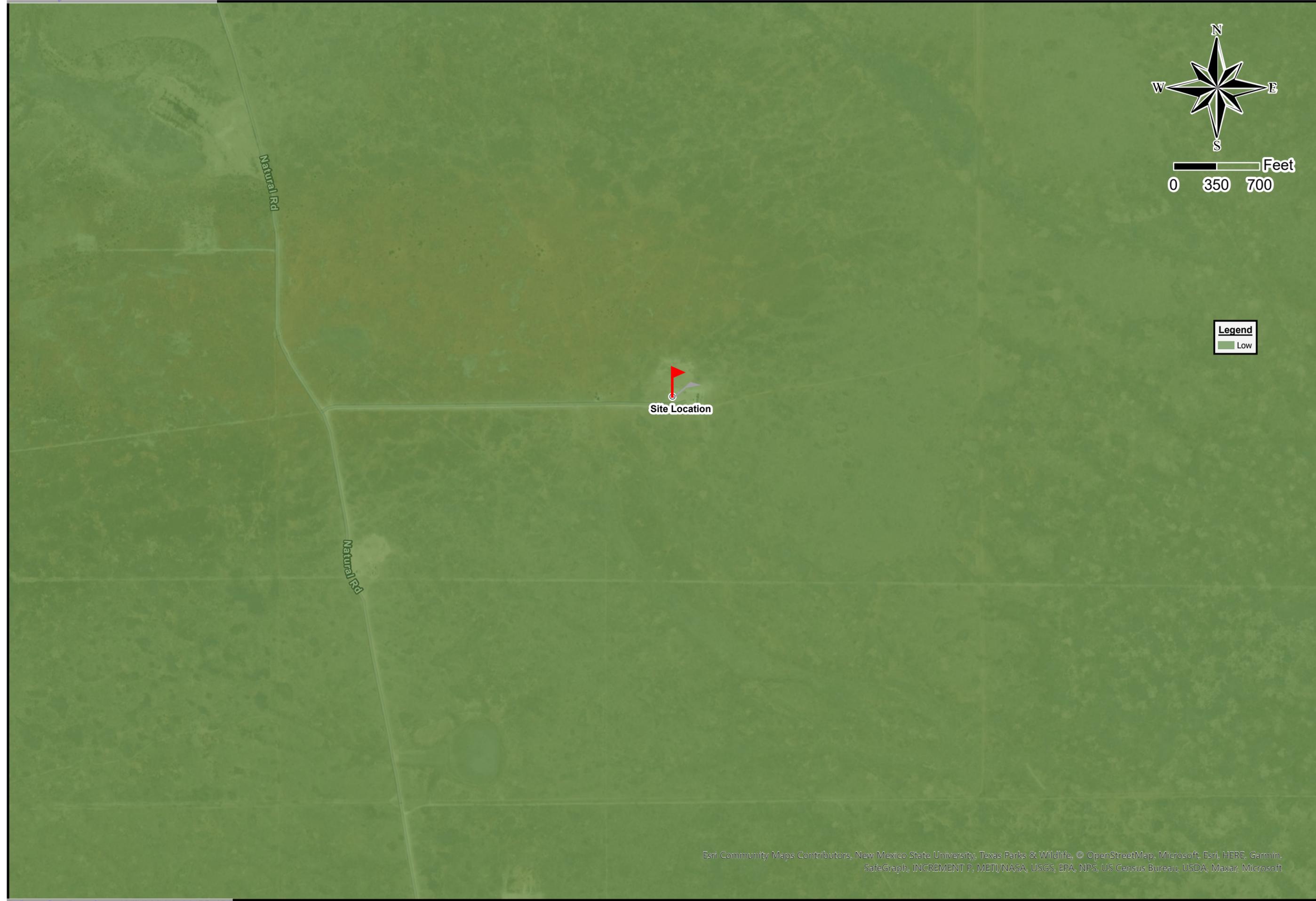
Drafted: 11/8/2021
 1 in = 6,000 ft
 Drafted By: IJM

Red Hat State SWD #1
 EOG Resources, Inc.
 API# 30-025-31110
 Lea County, New Mexico
 Figure 1 - Site Location Map



Drafted: 11/8/2021
 1 in = 40 ft
 Drafted By: IJM

Red Hat State SWD #1
 EOG Resources, Inc.
 API# 30-025-31110
 Lea County, New Mexico
 Figure 2 - Initial Assessment Map



Drafted: 11/8/2021
 1 in = 700 ft
 Drafted By: IJM

Red Hat State SWD #1
 EOG Resources, Inc.
 API# 30-025-31110
 Lea County, New Mexico
 Figure 4 - Karst Map

National Flood Hazard Layer FIRMette



103°38'14"W 32°57'25"N



Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
		Area of Undetermined Flood Hazard <i>Zone D</i>
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5
		8 Coastal Transect
		513 Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

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



Drafted: 11/8/2021
1 in = 358 ft
Drafted By: IJM

Red Hat State SWD #1
EOG Resources, Inc.
API# 30-025-31110
Lea County, New Mexico
Figure 6 FEMA Flood Map

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **11/4/2021 at 12:23 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.



APPENDIX II

GROUNDWATER DATA

SOIL SURVEY



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(NAD83 UTM in meters)

(In feet)

POD Number	POD Code	Sub-basin	County	Q 64	Q 16	Q 4	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
L_06532		L	LE	1	1	1	01	16S	33E		628596	3647383*	871	225	105	120
L_06475		L	LE	1	1	1	02	16S	33E		626985	3647354*	1028	235	125	110
L_03484		L	LE	3	1	3	02	16S	33E		626996	3646350*	1035	253	170	83
L_03425		L	LE	2	4	2	03	16S	33E		626788	3646945*	1106	101	68	33
L_03284		L	LE	3	2	4	03	16S	33E		626593	3646343*	1401	213	130	83
L_03340		L	LE		3	1	12	16S	33E		628724	3645272*	1801	196	145	51
L_03142		L	LE	3	2	2	01	16S	33E		629800	3647203*	1936	210	160	50
L_00470 POD6		L	LE	4	4	1	11	16S	37E		629270	3645104	2239	226	115	111
L_10157		L	LE	2	4	2	10	16S	33E		626551	3645024	2280	243	166	77
L_13787 POD5		L	LE	3	4	2	32	15S	33E		627194	3649239	2470	240	128	112
L_07519		L	LE	3	3	3	06	16S	34E		630219	3646004*	2482	182	128	54
L_04565		L	LE			4	31	15S	33E		626198	3648727*	2514	272	80	192
L_03967 S2		L	LE		4	1	32	15S	33E		627193	3649346*	2573	244	244	0
L_03967		L	LE	4	4	3	31	15S	33E		625694	3648420*	2689	264	155	109
L_03630		L	LE		1	1	10	16S	33E		625496	3645620*	2702	251	190	61
L_09256 POD2		L	LE	2	4	33	15S	33E		629613	3648974*	2718	237	125	112	
L_09256	R	L	LE	1	2	4	33	15S	33E		629512	3649073*	2734	237	112	125
L_02859		L	LE	2	2	14	16S	33E		628336	3644058*	2846	255	150	105	
L_03444		L	LE	4	4	4	04	16S	33E		625187	3645915*	2868	230	150	80
L_09570		L	LE	2	1	32	15S	33E		627187	3649748*	2963	250	146	104	
L_03994		L	LE	1	1	4	06	16S	34E		630936	3646619*	3054	97	63	34
L_13787 POD4		L	LE	4	2	2	31	15S	33E		626519	3649643	3095	280	149	131
L_03967 X	R	L	LE	3	3	31	15S	33E		625193	3648517*	3162	305	203	102	
L_03967 POD7		L	LE	3	3	31	15S	33E		625082	3648337	3170	300	120	180	
L_03967 POD6		L	LE	3	3	3	31	15S	33E		625061	3648334	3187	295	175	120
L_06542		L	LE	3	3	3	28	15S	33E		628289	3650064*	3218	222	124	98
L_03967 S		L	LE	2	2	31	15S	33E		626383	3649739*	3242	280	280	0	
L_09395		L	LE		2	06	16S	34E		631232	3647123*	3349	227	115	112	
L_07804		L	LE	3	3	3	07	16S	34E		630241	3644394*	3412	138	60	78
L_06084		L	LE	2	2	13	16S	33E		629945	3644086*	3458	135	70	65	
L_10291		L	LE		2	07	16S	34E		631255	3645514*	3625	200			
L_07094		L	LE	4	4	06	16S	34E		631445	3646125*	3629	235	148	87	
L_10190		L	LE	4	4	06	16S	34E		631445	3646125*	3629	225	80	145	

L_04566_POD3	R	L	LE	3	1	18	16S	34E	629931	3643689	3777	238	130	108
L_07334		L	LE	1	2	3	29	15S	627076	3650652*	3869	150	123	27
L_04566_POD5		L	LE	3	3	1	18	16S	630191	3643693	3920	229	140	89
L_05061_POD5		L	LE	3	4	07	16S	34E	631066	3644509*	3955	220	81	139
L_06610		L	LE	2	2	4	30	15S	626471	3650642*	4031	233	160	73
L_04566_POD2		L	LE	3	3	1	18	16S	630252	3643590*	4040	234	160	74
L_04566		L	LE	2	4	07	16S	34E	631462	3644918*	4068	223	120	103
L_05061_X		L	LE	1	2	18	16S	34E	631072	3644107*	4212	235	125	110
L_05061_X	R	L	LE	1	2	18	16S	34E	631072	3644107*	4212	235	125	110
L_05590		L	LE	3	3	3	14	16S	627042	3642730*	4226	150	130	20
L_04765		L	LE	4	3	36	15S	32E	623986	3648502*	4233	273	160	113
L_05713		L	LE	4	4	4	07	16S	631567	3644415*	4419	230	110	120
L_05713_POD2		L	LE						631584	3644433	4423	240	120	120
L_05713_POD3		L	LE	4	4	4	07	16S	631584	3644433	4423	230	125	105
L_03144		L	LE	4	4	13	16S	33E	629961	3642880*	4494	202	130	72
L_10194		L	LE	1	2	4	05	16S	623372	3646492	4535	290	180	110
L_06882		L	LE	2	3	3	15	16S	625632	3642903*	4565	247	175	72
L_04918_X14		L	LE	3	3	3	36	15S	623483	3648397*	4666	270	165	105
L_09972		L	LE	3	3	4	35	15S	632334	3648508*	4734	202	88	114
L_09973		L	LE	3	4	05	16S	34E	632651	3646147*	4813	215	135	80
L_10161		L	LE	1	1	4	16	16S	624672	3643243	4849	290	180	110

Average Depth to Water: **136 feet**
 Minimum Depth: **60 feet**
 Maximum Depth: **280 feet**

Record Count: 54

UTMNAD83 Radius Search (in meters):

Easting (X): 627892.2 **Northing (Y):** 3646869.6 **Radius:** 5000

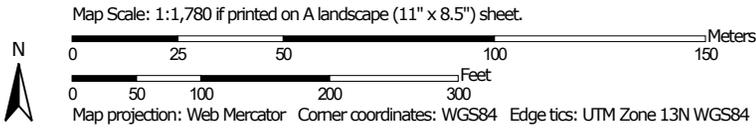
*UTM location was derived from PLSS - see Help

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

7/26/21 2:44 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

Custom Soil Resource Report Soil Map



Custom Soil Resource Report

Lea County, New Mexico**KO—Kimbrough gravelly loam, dry, 0 to 3 percent slopes****Map Unit Setting**

National map unit symbol: 2tw43
Elevation: 2,500 to 4,800 feet
Mean annual precipitation: 14 to 16 inches
Mean annual air temperature: 57 to 63 degrees F
Frost-free period: 180 to 220 days
Farmland classification: Not prime farmland

Map Unit Composition

Kimbrough, dry, and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kimbrough, Dry**Setting**

Landform: Plains, playa rims
Down-slope shape: Linear, convex
Across-slope shape: Linear, concave
Parent material: Loamy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 3 inches: gravelly loam
Bw - 3 to 10 inches: loam
Bkkm1 - 10 to 16 inches: cemented material
Bkkm2 - 16 to 80 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 4 to 18 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.01 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 95 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water capacity: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Hydric soil rating: No

Custom Soil Resource Report

Minor Components

Eunice

Percent of map unit: 10 percent

Landform: Plains

Down-slope shape: Linear

Across-slope shape: Convex

Ecological site: R077DY049TX - Very Shallow 12-17" PZ

Hydric soil rating: No

Spraberry

Percent of map unit: 6 percent

Landform: Plains, playa rims

Down-slope shape: Linear, convex

Across-slope shape: Linear

Ecological site: R077DY049TX - Very Shallow 12-17" PZ

Hydric soil rating: No

Kenhill

Percent of map unit: 4 percent

Landform: Plains

Down-slope shape: Linear

Across-slope shape: Linear

Ecological site: R077DY038TX - Clay Loam 12-17" PZ

Hydric soil rating: No



APPENDIX III

C-141 FORMS

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

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

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

Incident ID	nAPP2122452744
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

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

Location of Release Source

Latitude 32.95266 Longitude -103.63172
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Red Hat State SWD #1	Site Type Battery
Date Release Discovered 08/11/2021	API# (if applicable) 30-025-31110

Unit Letter	Section	Township	Range	County
G	2	16S	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 checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) Unknown	Volume Recovered (bbls) 0
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) Unknown	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

During the decommissioning of the facility, historical staining was discovered under a 210 barrel steel tank. The environmental consultant contracted to perform the investigation of the site believes that the release volume is above the reportable threshold due to the size of the impacted area.

State of New Mexico
Oil Conservation Division

Page 2

Incident ID	nAPP2122452744
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>Chase Settle</u> Title: <u>Rep Safety & Environmental Sr</u> Signature: <u></u> Date: <u>08/12/2021</u> email: <u>Chase_Settle@eogresources.com</u> Telephone: <u>575-748-1471</u>
<u>OCD Only</u> Received by: _____ Date: _____

Incident ID	nAPP2122452744
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: Chase Settle Title: Rep Safety & Environmental Sr

Signature:  Date: 11/3/2021

Email: Chase.Settle@eogresouces.com Telephone: 575-748-1471

OCD Only

Received by: _____ Date: _____

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ Date: _____

Incident ID	nAPP2122452744
District RP	
Facility ID	
Application ID	

Closure

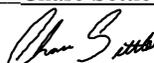
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled 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: Chase Settle Title: Rep Safety & Environmental Sr

Signature:  Date: 11/3/2021

Email: Chase_Settle@eogresouces.com Telephone: 575-748-1471

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

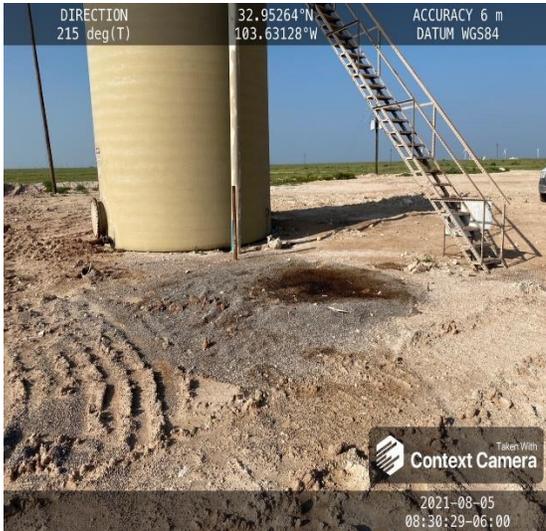


APPENDIX IV

PHOTOGRAPHIC DOCUMENTATION

EOG Resources Red Hat State SWD #1

PHOTO DOCUMENTATION



Impacted Area



Impacted area



Excavation at well-head



Excavation of tank area



Backfilled to grade



Reclaimed pad area



APPENDIX V

LABORATORY DATA



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

August 12, 2021

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

RE: Red Hat SWD1

OrderNo.: 2108298

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 9 sample(s) on 8/6/2021 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 white background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2108298**

Date Reported: **8/12/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-1 0-1'

Project: Red Hat SWD1

Collection Date: 8/5/2021 8:45:00 AM

Lab ID: 2108298-001

Matrix: SOIL

Received Date: 8/6/2021 7:58:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	830	60		mg/Kg	20	8/11/2021 8:25:54 AM	61900
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	14000	860		mg/Kg	100	8/9/2021 10:50:00 AM	61822
Motor Oil Range Organics (MRO)	8100	4300		mg/Kg	100	8/9/2021 10:50:00 AM	61822
Surr: DNOP	0	70-130	S	%Rec	100	8/9/2021 10:50:00 AM	61822
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	570	94		mg/Kg	20	8/9/2021 11:33:00 AM	61814
Surr: BFB	186	70-130	S	%Rec	20	8/9/2021 11:33:00 AM	61814
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.47		mg/Kg	20	8/9/2021 11:33:00 AM	61814
Toluene	ND	0.94		mg/Kg	20	8/9/2021 11:33:00 AM	61814
Ethylbenzene	5.7	0.94		mg/Kg	20	8/9/2021 11:33:00 AM	61814
Xylenes, Total	25	1.9		mg/Kg	20	8/9/2021 11:33:00 AM	61814
Surr: 4-Bromofluorobenzene	133	70-130	S	%Rec	20	8/9/2021 11:33:00 AM	61814

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 **2108298**

Date Reported: **8/12/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-1 2' R

Project: Red Hat SWD1

Collection Date: 8/5/2021 8:50:00 AM

Lab ID: 2108298-002

Matrix: SOIL

Received Date: 8/6/2021 7:58:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	130	60		mg/Kg	20	8/11/2021 8:38:18 AM	61900
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	160	10		mg/Kg	1	8/10/2021 11:46:50 AM	61822
Motor Oil Range Organics (MRO)	100	50		mg/Kg	1	8/10/2021 11:46:50 AM	61822
Surr: DNOP	95.1	70-130		%Rec	1	8/10/2021 11:46:50 AM	61822
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	7.5	4.6		mg/Kg	1	8/9/2021 11:53:00 AM	61814
Surr: BFB	155	70-130	S	%Rec	1	8/9/2021 11:53:00 AM	61814
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	8/9/2021 11:53:00 AM	61814
Toluene	ND	0.046		mg/Kg	1	8/9/2021 11:53:00 AM	61814
Ethylbenzene	ND	0.046		mg/Kg	1	8/9/2021 11:53:00 AM	61814
Xylenes, Total	0.10	0.091		mg/Kg	1	8/9/2021 11:53:00 AM	61814
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	8/9/2021 11:53:00 AM	61814

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 **2108298**

Date Reported: **8/12/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-2 0-1' R

Project: Red Hat SWD1

Collection Date: 8/5/2021 9:00:00 AM

Lab ID: 2108298-003

Matrix: SOIL

Received Date: 8/6/2021 7:58:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	2200	60		mg/Kg	20	8/11/2021 8:50:43 AM	61900
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	510	19		mg/Kg	2	8/10/2021 11:58:47 AM	61822
Motor Oil Range Organics (MRO)	530	94		mg/Kg	2	8/10/2021 11:58:47 AM	61822
Surr: DNOP	99.4	70-130		%Rec	2	8/10/2021 11:58:47 AM	61822
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/9/2021 12:13:00 PM	61814
Surr: BFB	93.4	70-130		%Rec	1	8/9/2021 12:13:00 PM	61814
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	8/9/2021 12:13:00 PM	61814
Toluene	ND	0.046		mg/Kg	1	8/9/2021 12:13:00 PM	61814
Ethylbenzene	ND	0.046		mg/Kg	1	8/9/2021 12:13:00 PM	61814
Xylenes, Total	ND	0.093		mg/Kg	1	8/9/2021 12:13:00 PM	61814
Surr: 4-Bromofluorobenzene	91.4	70-130		%Rec	1	8/9/2021 12:13:00 PM	61814

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 **2108298**

Date Reported: **8/12/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-3 0-1' R

Project: Red Hat SWD1

Collection Date: 8/5/2021 9:15:00 AM

Lab ID: 2108298-004

Matrix: SOIL

Received Date: 8/6/2021 7:58:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1600	59		mg/Kg	20	8/11/2021 9:03:07 AM	61900
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	210	49		mg/Kg	5	8/10/2021 12:10:37 PM	61822
Motor Oil Range Organics (MRO)	540	240		mg/Kg	5	8/10/2021 12:10:37 PM	61822
Surr: DNOP	111	70-130		%Rec	5	8/10/2021 12:10:37 PM	61822
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/9/2021 12:33:00 PM	61814
Surr: BFB	92.6	70-130		%Rec	1	8/9/2021 12:33:00 PM	61814
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	8/9/2021 12:33:00 PM	61814
Toluene	ND	0.047		mg/Kg	1	8/9/2021 12:33:00 PM	61814
Ethylbenzene	ND	0.047		mg/Kg	1	8/9/2021 12:33:00 PM	61814
Xylenes, Total	ND	0.095		mg/Kg	1	8/9/2021 12:33:00 PM	61814
Surr: 4-Bromofluorobenzene	91.3	70-130		%Rec	1	8/9/2021 12:33:00 PM	61814

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 **2108298**

Date Reported: **8/12/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-4 0-1' R

Project: Red Hat SWD1

Collection Date: 8/5/2021 9:25:00 AM

Lab ID: 2108298-005

Matrix: SOIL

Received Date: 8/6/2021 7:58:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	870	60		mg/Kg	20	8/11/2021 9:15:32 AM	61900
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	32	9.6		mg/Kg	1	8/10/2021 12:34:33 PM	61822
Motor Oil Range Organics (MRO)	98	48		mg/Kg	1	8/10/2021 12:34:33 PM	61822
Surr: DNOP	108	70-130		%Rec	1	8/10/2021 12:34:33 PM	61822
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/9/2021 12:53:00 PM	61814
Surr: BFB	86.4	70-130		%Rec	1	8/9/2021 12:53:00 PM	61814
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	8/9/2021 12:53:00 PM	61814
Toluene	ND	0.046		mg/Kg	1	8/9/2021 12:53:00 PM	61814
Ethylbenzene	ND	0.046		mg/Kg	1	8/9/2021 12:53:00 PM	61814
Xylenes, Total	ND	0.093		mg/Kg	1	8/9/2021 12:53:00 PM	61814
Surr: 4-Bromofluorobenzene	86.3	70-130		%Rec	1	8/9/2021 12:53:00 PM	61814

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 **2108298**

Date Reported: **8/12/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: BG-1 0-1'

Project: Red Hat SWD1

Collection Date: 8/5/2021 9:35:00 AM

Lab ID: 2108298-006

Matrix: SOIL

Received Date: 8/6/2021 7:58:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	8/11/2021 9:27:57 AM	61900
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/9/2021 11:50:34 AM	61822
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/9/2021 11:50:34 AM	61822
Surr: DNOP	88.0	70-130		%Rec	1	8/9/2021 11:50:34 AM	61822
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/9/2021 1:13:00 PM	61814
Surr: BFB	89.6	70-130		%Rec	1	8/9/2021 1:13:00 PM	61814
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	8/9/2021 1:13:00 PM	61814
Toluene	ND	0.046		mg/Kg	1	8/9/2021 1:13:00 PM	61814
Ethylbenzene	ND	0.046		mg/Kg	1	8/9/2021 1:13:00 PM	61814
Xylenes, Total	ND	0.092		mg/Kg	1	8/9/2021 1:13:00 PM	61814
Surr: 4-Bromofluorobenzene	89.3	70-130		%Rec	1	8/9/2021 1:13:00 PM	61814

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 **2108298**

Date Reported: **8/12/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: BG-2 0-1'

Project: Red Hat SWD1

Collection Date: 8/5/2021 9:45:00 AM

Lab ID: 2108298-007

Matrix: SOIL

Received Date: 8/6/2021 7:58:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	230	59		mg/Kg	20	8/11/2021 9:40:21 AM	61900
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	8/9/2021 12:02:57 PM	61822
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/9/2021 12:02:57 PM	61822
Surr: DNOP	92.8	70-130		%Rec	1	8/9/2021 12:02:57 PM	61822
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/9/2021 1:33:00 PM	61814
Surr: BFB	92.9	70-130		%Rec	1	8/9/2021 1:33:00 PM	61814
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	8/9/2021 1:33:00 PM	61814
Toluene	ND	0.048		mg/Kg	1	8/9/2021 1:33:00 PM	61814
Ethylbenzene	ND	0.048		mg/Kg	1	8/9/2021 1:33:00 PM	61814
Xylenes, Total	ND	0.096		mg/Kg	1	8/9/2021 1:33:00 PM	61814
Surr: 4-Bromofluorobenzene	92.8	70-130		%Rec	1	8/9/2021 1:33:00 PM	61814

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 **2108298**

Date Reported: **8/12/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: BG-3 0-1'

Project: Red Hat SWD1

Collection Date: 8/5/2021 9:55:00 AM

Lab ID: 2108298-008

Matrix: SOIL

Received Date: 8/6/2021 7:58:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	3500	150		mg/Kg	50	8/11/2021 2:13:16 PM	61900
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	8/9/2021 12:15:05 PM	61822
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/9/2021 12:15:05 PM	61822
Surr: DNOP	89.1	70-130		%Rec	1	8/9/2021 12:15:05 PM	61822
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/9/2021 1:53:00 PM	61814
Surr: BFB	91.8	70-130		%Rec	1	8/9/2021 1:53:00 PM	61814
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	8/9/2021 1:53:00 PM	61814
Toluene	ND	0.047		mg/Kg	1	8/9/2021 1:53:00 PM	61814
Ethylbenzene	ND	0.047		mg/Kg	1	8/9/2021 1:53:00 PM	61814
Xylenes, Total	ND	0.094		mg/Kg	1	8/9/2021 1:53:00 PM	61814
Surr: 4-Bromofluorobenzene	91.2	70-130		%Rec	1	8/9/2021 1:53:00 PM	61814

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 **2108298**

Date Reported: **8/12/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: BG-4 0-1'

Project: Red Hat SWD1

Collection Date: 8/5/2021 10:05:00 AM

Lab ID: 2108298-009

Matrix: SOIL

Received Date: 8/6/2021 7:58:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	180	60		mg/Kg	20	8/11/2021 10:29:58 AM	61900
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/9/2021 12:27:11 PM	61822
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/9/2021 12:27:11 PM	61822
Surr: DNOP	88.5	70-130		%Rec	1	8/9/2021 12:27:11 PM	61822
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/9/2021 2:53:00 PM	61814
Surr: BFB	89.1	70-130		%Rec	1	8/9/2021 2:53:00 PM	61814
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	8/9/2021 2:53:00 PM	61814
Toluene	ND	0.046		mg/Kg	1	8/9/2021 2:53:00 PM	61814
Ethylbenzene	ND	0.046		mg/Kg	1	8/9/2021 2:53:00 PM	61814
Xylenes, Total	ND	0.092		mg/Kg	1	8/9/2021 2:53:00 PM	61814
Surr: 4-Bromofluorobenzene	85.5	70-130		%Rec	1	8/9/2021 2:53:00 PM	61814

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2108298

12-Aug-21

Client: Talon Artesia
Project: Red Hat SWD1

Sample ID: MB-61900	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 61900	RunNo: 80443								
Prep Date: 8/11/2021	Analysis Date: 8/11/2021	SeqNo: 2836508	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-61900	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 61900	RunNo: 80443								
Prep Date: 8/11/2021	Analysis Date: 8/11/2021	SeqNo: 2836509	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.7	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2108298

12-Aug-21

Client: Talon Artesia
Project: Red Hat SWD1

Sample ID: MB-61822	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 61822	RunNo: 80403								
Prep Date: 8/6/2021	Analysis Date: 8/9/2021	SeqNo: 2833764	Units: 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	8.3		10.00		83.5	70	130			

Sample ID: LCS-61822	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 61822	RunNo: 80403								
Prep Date: 8/6/2021	Analysis Date: 8/9/2021	SeqNo: 2833765	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.9	68.9	141			
Surr: DNOP	4.0		5.000		80.0	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2108298

12-Aug-21

Client: Talon Artesia
Project: Red Hat SWD1

Sample ID: mb-61814	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 61814	RunNo: 80409								
Prep Date: 8/6/2021	Analysis Date: 8/9/2021	SeqNo: 2834069	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	890		1000		89.2	70	130			

Sample ID: lcs-61814	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 61814	RunNo: 80409								
Prep Date: 8/6/2021	Analysis Date: 8/9/2021	SeqNo: 2834070	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	102	78.6	131			
Surr: BFB	1000		1000		102	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#: 2108298

12-Aug-21

Client: Talon Artesia
Project: Red Hat SWD1

Sample ID: mb-61814	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 61814	RunNo: 80409								
Prep Date: 8/6/2021	Analysis Date: 8/9/2021	SeqNo: 2834094	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	0.87		1.000		87.1	70	130			

Sample ID: ics-61814	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 61814	RunNo: 80409								
Prep Date: 8/6/2021	Analysis Date: 8/9/2021	SeqNo: 2834096	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	90.8	80	120			
Toluene	0.93	0.050	1.000	0	93.4	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.5	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.2	80	120			
Surr: 4-Bromofluorobenzene	0.86		1.000		86.1	70	130			

Qualifiers:

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



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: 2108298 RcptNo: 1

Received By: Cheyenne Cason 8/6/2021 7:58:00 AM
Completed By: Isaiah Ortiz 8/6/2021 8:41:26 AM
Reviewed By: SPA 8.6.21

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

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

of preserved bottles checked for pH:
(<2 or >12 unless noted)
Adjusted?
Checked by: KPH 8/6/21

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified: [] Date: []
By Whom: [] Via: [] eMail [] Phone [] Fax [] In Person []
Regarding: []
Client Instructions: []

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 3.1, Good, Not Present, [], [], []



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

October 26, 2021

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

RE: Red Hat SW01

OrderNo.: 2110729

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 36 sample(s) on 10/15/2021 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 white background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-1A 3'

Project: Red Hat SW01

Collection Date: 10/13/2021 9:00:00 AM

Lab ID: 2110729-001

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	10/19/2021 12:26:07 PM	63384
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	10/20/2021 11:08:45 AM	63359
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/20/2021 11:08:45 AM	63359
Surr: DNOP	75.7	70-130		%Rec	1	10/20/2021 11:08:45 AM	63359
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/19/2021 4:01:27 PM	63340
Surr: BFB	107	70-130		%Rec	1	10/19/2021 4:01:27 PM	63340
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/19/2021 4:01:27 PM	63340
Toluene	ND	0.049		mg/Kg	1	10/19/2021 4:01:27 PM	63340
Ethylbenzene	ND	0.049		mg/Kg	1	10/19/2021 4:01:27 PM	63340
Xylenes, Total	ND	0.098		mg/Kg	1	10/19/2021 4:01:27 PM	63340
Surr: 4-Bromofluorobenzene	88.5	70-130		%Rec	1	10/19/2021 4:01:27 PM	63340

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 **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-2A 3'

Project: Red Hat SW01

Collection Date: 10/13/2021 9:03:00 AM

Lab ID: 2110729-002

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	69	60		mg/Kg	20	10/19/2021 12:38:31 PM	63384
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/20/2021 11:19:27 AM	63359
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/20/2021 11:19:27 AM	63359
Surr: DNOP	112	70-130		%Rec	1	10/20/2021 11:19:27 AM	63359
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/19/2021 5:11:12 PM	63340
Surr: BFB	113	70-130		%Rec	1	10/19/2021 5:11:12 PM	63340
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/19/2021 5:11:12 PM	63340
Toluene	ND	0.049		mg/Kg	1	10/19/2021 5:11:12 PM	63340
Ethylbenzene	ND	0.049		mg/Kg	1	10/19/2021 5:11:12 PM	63340
Xylenes, Total	ND	0.098		mg/Kg	1	10/19/2021 5:11:12 PM	63340
Surr: 4-Bromofluorobenzene	95.6	70-130		%Rec	1	10/19/2021 5:11:12 PM	63340

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 **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-3A 3'

Project: Red Hat SW01

Collection Date: 10/13/2021 9:06:00 AM

Lab ID: 2110729-003

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	10/19/2021 12:50:56 PM	63384
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	10/20/2021 11:30:11 AM	63359
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/20/2021 11:30:11 AM	63359
Surr: DNOP	104	70-130		%Rec	1	10/20/2021 11:30:11 AM	63359
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/19/2021 6:21:40 PM	63340
Surr: BFB	112	70-130		%Rec	1	10/19/2021 6:21:40 PM	63340
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	10/19/2021 6:21:40 PM	63340
Toluene	ND	0.047		mg/Kg	1	10/19/2021 6:21:40 PM	63340
Ethylbenzene	ND	0.047		mg/Kg	1	10/19/2021 6:21:40 PM	63340
Xylenes, Total	ND	0.094		mg/Kg	1	10/19/2021 6:21:40 PM	63340
Surr: 4-Bromofluorobenzene	93.8	70-130		%Rec	1	10/19/2021 6:21:40 PM	63340

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 **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-4A 3'

Project: Red Hat SW01

Collection Date: 10/13/2021 9:09:00 AM

Lab ID: 2110729-004

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	10/19/2021 1:03:20 PM	63384
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/20/2021 11:40:56 AM	63359
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/20/2021 11:40:56 AM	63359
Surr: DNOP	128	70-130		%Rec	1	10/20/2021 11:40:56 AM	63359
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/19/2021 6:45:03 PM	63340
Surr: BFB	110	70-130		%Rec	1	10/19/2021 6:45:03 PM	63340
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/19/2021 6:45:03 PM	63340
Toluene	ND	0.048		mg/Kg	1	10/19/2021 6:45:03 PM	63340
Ethylbenzene	ND	0.048		mg/Kg	1	10/19/2021 6:45:03 PM	63340
Xylenes, Total	ND	0.096		mg/Kg	1	10/19/2021 6:45:03 PM	63340
Surr: 4-Bromofluorobenzene	92.3	70-130		%Rec	1	10/19/2021 6:45:03 PM	63340

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 **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-5A 3'

Project: Red Hat SW01

Collection Date: 10/13/2021 9:12:00 AM

Lab ID: 2110729-005

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	61	60		mg/Kg	20	10/19/2021 1:15:44 PM	63384
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	10/20/2021 11:51:43 AM	63359
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/20/2021 11:51:43 AM	63359
Surr: DNOP	94.3	70-130		%Rec	1	10/20/2021 11:51:43 AM	63359
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/19/2021 7:08:31 PM	63340
Surr: BFB	109	70-130		%Rec	1	10/19/2021 7:08:31 PM	63340
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	10/19/2021 7:08:31 PM	63340
Toluene	ND	0.047		mg/Kg	1	10/19/2021 7:08:31 PM	63340
Ethylbenzene	ND	0.047		mg/Kg	1	10/19/2021 7:08:31 PM	63340
Xylenes, Total	ND	0.093		mg/Kg	1	10/19/2021 7:08:31 PM	63340
Surr: 4-Bromofluorobenzene	90.8	70-130		%Rec	1	10/19/2021 7:08:31 PM	63340

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 **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-6A 3'

Project: Red Hat SW01

Collection Date: 10/13/2021 9:15:00 AM

Lab ID: 2110729-006

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	80	60		mg/Kg	20	10/19/2021 2:17:47 PM	63387
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/20/2021 12:02:32 PM	63359
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/20/2021 12:02:32 PM	63359
Surr: DNOP	110	70-130		%Rec	1	10/20/2021 12:02:32 PM	63359
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/19/2021 7:32:00 PM	63340
Surr: BFB	107	70-130		%Rec	1	10/19/2021 7:32:00 PM	63340
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/19/2021 7:32:00 PM	63340
Toluene	ND	0.048		mg/Kg	1	10/19/2021 7:32:00 PM	63340
Ethylbenzene	ND	0.048		mg/Kg	1	10/19/2021 7:32:00 PM	63340
Xylenes, Total	ND	0.095		mg/Kg	1	10/19/2021 7:32:00 PM	63340
Surr: 4-Bromofluorobenzene	88.8	70-130		%Rec	1	10/19/2021 7:32:00 PM	63340

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 **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-7A 3'

Project: Red Hat SW01

Collection Date: 10/13/2021 9:18:00 AM

Lab ID: 2110729-007

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	59		mg/Kg	20	10/19/2021 2:55:00 PM	63387
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/20/2021 12:13:22 PM	63359
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/20/2021 12:13:22 PM	63359
Surr: DNOP	127	70-130		%Rec	1	10/20/2021 12:13:22 PM	63359
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/19/2021 7:55:33 PM	63340
Surr: BFB	104	70-130		%Rec	1	10/19/2021 7:55:33 PM	63340
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/19/2021 7:55:33 PM	63340
Toluene	ND	0.050		mg/Kg	1	10/19/2021 7:55:33 PM	63340
Ethylbenzene	ND	0.050		mg/Kg	1	10/19/2021 7:55:33 PM	63340
Xylenes, Total	ND	0.10		mg/Kg	1	10/19/2021 7:55:33 PM	63340
Surr: 4-Bromofluorobenzene	86.4	70-130		%Rec	1	10/19/2021 7:55:33 PM	63340

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 **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-8A 3'

Project: Red Hat SW01

Collection Date: 10/13/2021 9:21:00 AM

Lab ID: 2110729-008

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	10/19/2021 3:32:12 PM	63387
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	10/20/2021 12:24:15 PM	63359
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/20/2021 12:24:15 PM	63359
Surr: DNOP	114	70-130		%Rec	1	10/20/2021 12:24:15 PM	63359
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/19/2021 8:19:00 PM	63340
Surr: BFB	113	70-130		%Rec	1	10/19/2021 8:19:00 PM	63340
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/19/2021 8:19:00 PM	63340
Toluene	ND	0.047		mg/Kg	1	10/19/2021 8:19:00 PM	63340
Ethylbenzene	ND	0.047		mg/Kg	1	10/19/2021 8:19:00 PM	63340
Xylenes, Total	ND	0.094		mg/Kg	1	10/19/2021 8:19:00 PM	63340
Surr: 4-Bromofluorobenzene	95.6	70-130		%Rec	1	10/19/2021 8:19:00 PM	63340

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 **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-9A 3'

Project: Red Hat SW01

Collection Date: 10/13/2021 9:24:00 AM

Lab ID: 2110729-009

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	68	60		mg/Kg	20	10/19/2021 3:44:36 PM	63387
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/20/2021 12:35:10 PM	63359
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/20/2021 12:35:10 PM	63359
Surr: DNOP	58.4	70-130	S	%Rec	1	10/20/2021 12:35:10 PM	63359
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/19/2021 8:42:36 PM	63340
Surr: BFB	110	70-130		%Rec	1	10/19/2021 8:42:36 PM	63340
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/19/2021 8:42:36 PM	63340
Toluene	ND	0.047		mg/Kg	1	10/19/2021 8:42:36 PM	63340
Ethylbenzene	ND	0.047		mg/Kg	1	10/19/2021 8:42:36 PM	63340
Xylenes, Total	ND	0.095		mg/Kg	1	10/19/2021 8:42:36 PM	63340
Surr: 4-Bromofluorobenzene	93.1	70-130		%Rec	1	10/19/2021 8:42:36 PM	63340

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 **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-10A 5'

Project: Red Hat SW01

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

Lab ID: 2110729-010

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	95	60		mg/Kg	20	10/19/2021 3:57:00 PM	63387
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	10/20/2021 12:46:15 PM	63359
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/20/2021 12:46:15 PM	63359
Surr: DNOP	101	70-130		%Rec	1	10/20/2021 12:46:15 PM	63359
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	23		mg/Kg	5	10/19/2021 9:06:10 PM	63340
Surr: BFB	104	70-130		%Rec	5	10/19/2021 9:06:10 PM	63340
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	10/19/2021 9:06:10 PM	63340
Toluene	ND	0.23		mg/Kg	5	10/19/2021 9:06:10 PM	63340
Ethylbenzene	ND	0.23		mg/Kg	5	10/19/2021 9:06:10 PM	63340
Xylenes, Total	ND	0.46		mg/Kg	5	10/19/2021 9:06:10 PM	63340
Surr: 4-Bromofluorobenzene	87.1	70-130		%Rec	5	10/19/2021 9:06:10 PM	63340

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 **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-11A 5'

Project: Red Hat SW01

Collection Date: 10/13/2021 10:03:00 AM

Lab ID: 2110729-011

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	97	60		mg/Kg	20	10/19/2021 4:09:25 PM	63387
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/20/2021 12:57:21 PM	63359
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/20/2021 12:57:21 PM	63359
Surr: DNOP	109	70-130		%Rec	1	10/20/2021 12:57:21 PM	63359
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	10/19/2021 10:39:59 PM	63340
Surr: BFB	111	70-130		%Rec	5	10/19/2021 10:39:59 PM	63340
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	10/19/2021 10:39:59 PM	63340
Toluene	ND	0.25		mg/Kg	5	10/19/2021 10:39:59 PM	63340
Ethylbenzene	ND	0.25		mg/Kg	5	10/19/2021 10:39:59 PM	63340
Xylenes, Total	ND	0.50		mg/Kg	5	10/19/2021 10:39:59 PM	63340
Surr: 4-Bromofluorobenzene	94.2	70-130		%Rec	5	10/19/2021 10:39:59 PM	63340

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 **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-12A 5'

Project: Red Hat SW01

Collection Date: 10/13/2021 10:06:00 AM

Lab ID: 2110729-012

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	120	60		mg/Kg	20	10/19/2021 4:46:38 PM	63387
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/20/2021 1:08:28 PM	63359
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/20/2021 1:08:28 PM	63359
Surr: DNOP	118	70-130		%Rec	1	10/20/2021 1:08:28 PM	63359
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/19/2021 11:03:31 PM	63340
Surr: BFB	107	70-130		%Rec	1	10/19/2021 11:03:31 PM	63340
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/19/2021 11:03:31 PM	63340
Toluene	ND	0.049		mg/Kg	1	10/19/2021 11:03:31 PM	63340
Ethylbenzene	ND	0.049		mg/Kg	1	10/19/2021 11:03:31 PM	63340
Xylenes, Total	ND	0.099		mg/Kg	1	10/19/2021 11:03:31 PM	63340
Surr: 4-Bromofluorobenzene	89.4	70-130		%Rec	1	10/19/2021 11:03:31 PM	63340

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 **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-13A 5'

Project: Red Hat SW01

Collection Date: 10/13/2021 10:09:00 AM

Lab ID: 2110729-013

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	150	61		mg/Kg	20	10/19/2021 4:59:02 PM	63387
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/20/2021 1:19:31 PM	63359
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/20/2021 1:19:31 PM	63359
Surr: DNOP	117	70-130		%Rec	1	10/20/2021 1:19:31 PM	63359
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/19/2021 11:26:57 PM	63340
Surr: BFB	110	70-130		%Rec	1	10/19/2021 11:26:57 PM	63340
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/19/2021 11:26:57 PM	63340
Toluene	ND	0.048		mg/Kg	1	10/19/2021 11:26:57 PM	63340
Ethylbenzene	ND	0.048		mg/Kg	1	10/19/2021 11:26:57 PM	63340
Xylenes, Total	ND	0.096		mg/Kg	1	10/19/2021 11:26:57 PM	63340
Surr: 4-Bromofluorobenzene	93.7	70-130		%Rec	1	10/19/2021 11:26:57 PM	63340

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 **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-14A 5'

Project: Red Hat SW01

Collection Date: 10/13/2021 10:12:00 AM

Lab ID: 2110729-014

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	120	60		mg/Kg	20	10/19/2021 5:11:26 PM	63387
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/20/2021 1:30:37 PM	63359
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/20/2021 1:30:37 PM	63359
Surr: DNOP	118	70-130		%Rec	1	10/20/2021 1:30:37 PM	63359
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/19/2021 11:50:19 PM	63340
Surr: BFB	112	70-130		%Rec	1	10/19/2021 11:50:19 PM	63340
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/19/2021 11:50:19 PM	63340
Toluene	ND	0.050		mg/Kg	1	10/19/2021 11:50:19 PM	63340
Ethylbenzene	ND	0.050		mg/Kg	1	10/19/2021 11:50:19 PM	63340
Xylenes, Total	ND	0.099		mg/Kg	1	10/19/2021 11:50:19 PM	63340
Surr: 4-Bromofluorobenzene	95.3	70-130		%Rec	1	10/19/2021 11:50:19 PM	63340

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 **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-15A 5'

Project: Red Hat SW01

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

Lab ID: 2110729-015

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	130	60		mg/Kg	20	10/19/2021 5:23:51 PM	63387
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/20/2021 11:03:05 AM	63359
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/20/2021 11:03:05 AM	63359
Surr: DNOP	71.8	70-130		%Rec	1	10/20/2021 11:03:05 AM	63359
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/20/2021 12:13:46 AM	63340
Surr: BFB	113	70-130		%Rec	1	10/20/2021 12:13:46 AM	63340
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/20/2021 12:13:46 AM	63340
Toluene	ND	0.048		mg/Kg	1	10/20/2021 12:13:46 AM	63340
Ethylbenzene	ND	0.048		mg/Kg	1	10/20/2021 12:13:46 AM	63340
Xylenes, Total	ND	0.097		mg/Kg	1	10/20/2021 12:13:46 AM	63340
Surr: 4-Bromofluorobenzene	96.5	70-130		%Rec	1	10/20/2021 12:13:46 AM	63340

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 **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-16A 6'

Project: Red Hat SW01

Collection Date: 10/13/2021 10:18:00 AM

Lab ID: 2110729-016

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	140	60		mg/Kg	20	10/19/2021 5:36:15 PM	63387
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/20/2021 11:27:01 AM	63359
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/20/2021 11:27:01 AM	63359
Surr: DNOP	63.5	70-130	S	%Rec	1	10/20/2021 11:27:01 AM	63359
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/20/2021 12:37:15 AM	63340
Surr: BFB	112	70-130		%Rec	1	10/20/2021 12:37:15 AM	63340
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/20/2021 12:37:15 AM	63340
Toluene	ND	0.049		mg/Kg	1	10/20/2021 12:37:15 AM	63340
Ethylbenzene	ND	0.049		mg/Kg	1	10/20/2021 12:37:15 AM	63340
Xylenes, Total	ND	0.097		mg/Kg	1	10/20/2021 12:37:15 AM	63340
Surr: 4-Bromofluorobenzene	94.7	70-130		%Rec	1	10/20/2021 12:37:15 AM	63340

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 **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-17A 6'

Project: Red Hat SW01

Collection Date: 10/13/2021 10:21:00 AM

Lab ID: 2110729-017

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	92	61		mg/Kg	20	10/19/2021 5:48:40 PM	63387
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/20/2021 11:51:07 AM	63359
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/20/2021 11:51:07 AM	63359
Surr: DNOP	108	70-130		%Rec	1	10/20/2021 11:51:07 AM	63359
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	10/20/2021 1:00:41 AM	63340
Surr: BFB	109	70-130		%Rec	5	10/20/2021 1:00:41 AM	63340
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	10/20/2021 1:00:41 AM	63340
Toluene	ND	0.25		mg/Kg	5	10/20/2021 1:00:41 AM	63340
Ethylbenzene	ND	0.25		mg/Kg	5	10/20/2021 1:00:41 AM	63340
Xylenes, Total	ND	0.50		mg/Kg	5	10/20/2021 1:00:41 AM	63340
Surr: 4-Bromofluorobenzene	92.4	70-130		%Rec	5	10/20/2021 1:00:41 AM	63340

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 **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-18A 6'

Project: Red Hat SW01

Collection Date: 10/13/2021 10:24:00 AM

Lab ID: 2110729-018

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	98	61		mg/Kg	20	10/19/2021 6:01:04 PM	63387
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/20/2021 12:15:10 PM	63359
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/20/2021 12:15:10 PM	63359
Surr: DNOP	82.4	70-130		%Rec	1	10/20/2021 12:15:10 PM	63359
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/20/2021 1:24:06 AM	63340
Surr: BFB	105	70-130		%Rec	1	10/20/2021 1:24:06 AM	63340
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/20/2021 1:24:06 AM	63340
Toluene	ND	0.050		mg/Kg	1	10/20/2021 1:24:06 AM	63340
Ethylbenzene	ND	0.050		mg/Kg	1	10/20/2021 1:24:06 AM	63340
Xylenes, Total	ND	0.10		mg/Kg	1	10/20/2021 1:24:06 AM	63340
Surr: 4-Bromofluorobenzene	88.0	70-130		%Rec	1	10/20/2021 1:24:06 AM	63340

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 **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-19A 6'

Project: Red Hat SW01

Collection Date: 10/13/2021 11:00:00 AM

Lab ID: 2110729-019

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	85	60		mg/Kg	20	10/19/2021 6:13:29 PM	63387
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/20/2021 12:39:22 PM	63359
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/20/2021 12:39:22 PM	63359
Surr: DNOP	81.8	70-130		%Rec	1	10/20/2021 12:39:22 PM	63359
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/20/2021 1:47:30 AM	63340
Surr: BFB	108	70-130		%Rec	1	10/20/2021 1:47:30 AM	63340
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/20/2021 1:47:30 AM	63340
Toluene	ND	0.050		mg/Kg	1	10/20/2021 1:47:30 AM	63340
Ethylbenzene	ND	0.050		mg/Kg	1	10/20/2021 1:47:30 AM	63340
Xylenes, Total	ND	0.099		mg/Kg	1	10/20/2021 1:47:30 AM	63340
Surr: 4-Bromofluorobenzene	91.5	70-130		%Rec	1	10/20/2021 1:47:30 AM	63340

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 **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-20A 6'

Project: Red Hat SW01

Collection Date: 10/13/2021 11:03:00 AM

Lab ID: 2110729-020

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	93	60		mg/Kg	20	10/19/2021 6:25:54 PM	63387
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/20/2021 1:03:28 PM	63359
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/20/2021 1:03:28 PM	63359
Surr: DNOP	79.0	70-130		%Rec	1	10/20/2021 1:03:28 PM	63359
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/20/2021 2:10:55 AM	63340
Surr: BFB	111	70-130		%Rec	1	10/20/2021 2:10:55 AM	63340
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/20/2021 2:10:55 AM	63340
Toluene	ND	0.049		mg/Kg	1	10/20/2021 2:10:55 AM	63340
Ethylbenzene	ND	0.049		mg/Kg	1	10/20/2021 2:10:55 AM	63340
Xylenes, Total	ND	0.099		mg/Kg	1	10/20/2021 2:10:55 AM	63340
Surr: 4-Bromofluorobenzene	94.0	70-130		%Rec	1	10/20/2021 2:10:55 AM	63340

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 **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-21A 6'

Project: Red Hat SW01

Collection Date: 10/13/2021 11:06:00 AM

Lab ID: 2110729-021

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	77	60		mg/Kg	20	10/19/2021 6:38:18 PM	63387
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/20/2021 2:02:40 PM	63362
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/20/2021 2:02:40 PM	63362
Surr: DNOP	76.5	70-130		%Rec	1	10/20/2021 2:02:40 PM	63362
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/20/2021 2:39:00 AM	63350
Surr: BFB	105	70-130		%Rec	1	10/20/2021 2:39:00 AM	63350
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	10/20/2021 2:39:00 AM	63350
Toluene	ND	0.048		mg/Kg	1	10/20/2021 2:39:00 AM	63350
Ethylbenzene	ND	0.048		mg/Kg	1	10/20/2021 2:39:00 AM	63350
Xylenes, Total	ND	0.097		mg/Kg	1	10/20/2021 2:39:00 AM	63350
Surr: 4-Bromofluorobenzene	90.0	70-130		%Rec	1	10/20/2021 2:39:00 AM	63350

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 **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-22A 6'

Project: Red Hat SW01

Collection Date: 10/13/2021 11:09:00 AM

Lab ID: 2110729-022

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	82	60		mg/Kg	20	10/19/2021 5:01:01 PM	63395
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/20/2021 2:16:26 PM	63362
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/20/2021 2:16:26 PM	63362
Surr: DNOP	122	70-130		%Rec	1	10/20/2021 2:16:26 PM	63362
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/20/2021 3:38:00 AM	63350
Surr: BFB	98.9	70-130		%Rec	1	10/20/2021 3:38:00 AM	63350
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	10/20/2021 3:38:00 AM	63350
Toluene	ND	0.048		mg/Kg	1	10/20/2021 3:38:00 AM	63350
Ethylbenzene	ND	0.048		mg/Kg	1	10/20/2021 3:38:00 AM	63350
Xylenes, Total	ND	0.096		mg/Kg	1	10/20/2021 3:38:00 AM	63350
Surr: 4-Bromofluorobenzene	90.1	70-130		%Rec	1	10/20/2021 3:38:00 AM	63350

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 **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-23A 6'

Project: Red Hat SW01

Collection Date: 10/13/2021 11:12:00 AM

Lab ID: 2110729-023

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	63	60		mg/Kg	20	10/19/2021 5:38:16 PM	63395
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/20/2021 2:29:26 PM	63362
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/20/2021 2:29:26 PM	63362
Surr: DNOP	113	70-130		%Rec	1	10/20/2021 2:29:26 PM	63362
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/20/2021 4:36:00 AM	63350
Surr: BFB	105	70-130		%Rec	1	10/20/2021 4:36:00 AM	63350
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	10/20/2021 4:36:00 AM	63350
Toluene	ND	0.050		mg/Kg	1	10/20/2021 4:36:00 AM	63350
Ethylbenzene	ND	0.050		mg/Kg	1	10/20/2021 4:36:00 AM	63350
Xylenes, Total	ND	0.099		mg/Kg	1	10/20/2021 4:36:00 AM	63350
Surr: 4-Bromofluorobenzene	89.4	70-130		%Rec	1	10/20/2021 4:36:00 AM	63350

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 **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-24A 6'

Project: Red Hat SW01

Collection Date: 10/13/2021 11:15:00 AM

Lab ID: 2110729-024

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	60	60		mg/Kg	20	10/19/2021 5:50:41 PM	63395
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/20/2021 1:48:56 PM	63362
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/20/2021 1:48:56 PM	63362
Surr: DNOP	83.9	70-130		%Rec	1	10/20/2021 1:48:56 PM	63362
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/20/2021 4:56:00 AM	63350
Surr: BFB	101	70-130		%Rec	1	10/20/2021 4:56:00 AM	63350
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	10/20/2021 4:56:00 AM	63350
Toluene	ND	0.046		mg/Kg	1	10/20/2021 4:56:00 AM	63350
Ethylbenzene	ND	0.046		mg/Kg	1	10/20/2021 4:56:00 AM	63350
Xylenes, Total	ND	0.092		mg/Kg	1	10/20/2021 4:56:00 AM	63350
Surr: 4-Bromofluorobenzene	86.9	70-130		%Rec	1	10/20/2021 4:56:00 AM	63350

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 **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: BG-3 2'

Project: Red Hat SW01

Collection Date: 10/13/2021 11:45:00 AM

Lab ID: 2110729-025

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	10/19/2021 6:03:06 PM	63395
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/20/2021 2:42:57 PM	63362
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/20/2021 2:42:57 PM	63362
Surr: DNOP	74.0	70-130		%Rec	1	10/20/2021 2:42:57 PM	63362
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/20/2021 5:16:00 AM	63350
Surr: BFB	99.2	70-130		%Rec	1	10/20/2021 5:16:00 AM	63350
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	10/20/2021 5:16:00 AM	63350
Toluene	ND	0.050		mg/Kg	1	10/20/2021 5:16:00 AM	63350
Ethylbenzene	ND	0.050		mg/Kg	1	10/20/2021 5:16:00 AM	63350
Xylenes, Total	ND	0.10		mg/Kg	1	10/20/2021 5:16:00 AM	63350
Surr: 4-Bromofluorobenzene	86.9	70-130		%Rec	1	10/20/2021 5:16:00 AM	63350

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 **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: BG-3A 0-1'

Project: Red Hat SW01

Collection Date: 10/13/2021 12:10:00 PM

Lab ID: 2110729-026

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	10/19/2021 6:15:30 PM	63395
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/20/2021 2:57:00 PM	63362
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/20/2021 2:57:00 PM	63362
Surr: DNOP	81.8	70-130		%Rec	1	10/20/2021 2:57:00 PM	63362
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/20/2021 5:35:00 AM	63350
Surr: BFB	103	70-130		%Rec	1	10/20/2021 5:35:00 AM	63350
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	10/20/2021 5:35:00 AM	63350
Toluene	ND	0.050		mg/Kg	1	10/20/2021 5:35:00 AM	63350
Ethylbenzene	ND	0.050		mg/Kg	1	10/20/2021 5:35:00 AM	63350
Xylenes, Total	ND	0.099		mg/Kg	1	10/20/2021 5:35:00 AM	63350
Surr: 4-Bromofluorobenzene	89.2	70-130		%Rec	1	10/20/2021 5:35:00 AM	63350

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 **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: N.SW-1 6'

Project: Red Hat SW01

Collection Date: 10/14/2021 10:30:00 AM

Lab ID: 2110729-027

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	10/19/2021 6:27:55 PM	63395
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	10/22/2021 4:15:07 PM	63472
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/22/2021 4:15:07 PM	63472
Surr: DNOP	89.0	70-130		%Rec	1	10/22/2021 4:15:07 PM	63472
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/20/2021 2:57:46 AM	63350
Surr: BFB	109	70-130		%Rec	1	10/20/2021 2:57:46 AM	63350
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/20/2021 2:57:46 AM	63350
Toluene	ND	0.049		mg/Kg	1	10/20/2021 2:57:46 AM	63350
Ethylbenzene	ND	0.049		mg/Kg	1	10/20/2021 2:57:46 AM	63350
Xylenes, Total	ND	0.099		mg/Kg	1	10/20/2021 2:57:46 AM	63350
Surr: 4-Bromofluorobenzene	92.3	70-130		%Rec	1	10/20/2021 2:57:46 AM	63350

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 **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: N.SW-2 6'

Project: Red Hat SW01

Collection Date: 10/14/2021 10:33:00 AM

Lab ID: 2110729-028

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	68	60		mg/Kg	20	10/19/2021 6:40:21 PM	63395
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/20/2021 3:23:30 PM	63362
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/20/2021 3:23:30 PM	63362
Surr: DNOP	71.3	70-130		%Rec	1	10/20/2021 3:23:30 PM	63362
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/20/2021 3:21:11 AM	63350
Surr: BFB	111	70-130		%Rec	1	10/20/2021 3:21:11 AM	63350
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/20/2021 3:21:11 AM	63350
Toluene	ND	0.049		mg/Kg	1	10/20/2021 3:21:11 AM	63350
Ethylbenzene	ND	0.049		mg/Kg	1	10/20/2021 3:21:11 AM	63350
Xylenes, Total	ND	0.097		mg/Kg	1	10/20/2021 3:21:11 AM	63350
Surr: 4-Bromofluorobenzene	94.7	70-130		%Rec	1	10/20/2021 3:21:11 AM	63350

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 **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: N.SW-3 5'

Project: Red Hat SW01

Collection Date: 10/14/2021 10:36:00 AM

Lab ID: 2110729-029

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	110	60		mg/Kg	20	10/19/2021 6:52:45 PM	63395
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/22/2021 4:39:12 PM	63472
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/22/2021 4:39:12 PM	63472
Surr: DNOP	86.4	70-130		%Rec	1	10/22/2021 4:39:12 PM	63472
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/20/2021 3:44:26 AM	63350
Surr: BFB	105	70-130		%Rec	1	10/20/2021 3:44:26 AM	63350
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/20/2021 3:44:26 AM	63350
Toluene	ND	0.050		mg/Kg	1	10/20/2021 3:44:26 AM	63350
Ethylbenzene	ND	0.050		mg/Kg	1	10/20/2021 3:44:26 AM	63350
Xylenes, Total	ND	0.10		mg/Kg	1	10/20/2021 3:44:26 AM	63350
Surr: 4-Bromofluorobenzene	89.8	70-130		%Rec	1	10/20/2021 3:44:26 AM	63350

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 **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: N.SW-4 3'

Project: Red Hat SW01

Collection Date: 10/14/2021 10:39:00 AM

Lab ID: 2110729-030

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	87	60		mg/Kg	20	10/19/2021 7:05:10 PM	63395
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	10/20/2021 11:10:23 AM	63362
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/20/2021 11:10:23 AM	63362
Surr: DNOP	83.7	70-130		%Rec	1	10/20/2021 11:10:23 AM	63362
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/20/2021 4:07:50 AM	63350
Surr: BFB	108	70-130		%Rec	1	10/20/2021 4:07:50 AM	63350
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/20/2021 4:07:50 AM	63350
Toluene	ND	0.049		mg/Kg	1	10/20/2021 4:07:50 AM	63350
Ethylbenzene	ND	0.049		mg/Kg	1	10/20/2021 4:07:50 AM	63350
Xylenes, Total	ND	0.098		mg/Kg	1	10/20/2021 4:07:50 AM	63350
Surr: 4-Bromofluorobenzene	91.5	70-130		%Rec	1	10/20/2021 4:07:50 AM	63350

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 **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S.SW-1 6'

Project: Red Hat SW01

Collection Date: 10/14/2021 11:15:00 AM

Lab ID: 2110729-031

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	10/19/2021 7:17:35 PM	63395
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/20/2021 11:34:17 AM	63362
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/20/2021 11:34:17 AM	63362
Surr: DNOP	130	70-130	S	%Rec	1	10/20/2021 11:34:17 AM	63362
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/20/2021 4:31:03 AM	63350
Surr: BFB	104	70-130		%Rec	1	10/20/2021 4:31:03 AM	63350
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/20/2021 4:31:03 AM	63350
Toluene	ND	0.050		mg/Kg	1	10/20/2021 4:31:03 AM	63350
Ethylbenzene	ND	0.050		mg/Kg	1	10/20/2021 4:31:03 AM	63350
Xylenes, Total	ND	0.10		mg/Kg	1	10/20/2021 4:31:03 AM	63350
Surr: 4-Bromofluorobenzene	88.2	70-130		%Rec	1	10/20/2021 4:31:03 AM	63350

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 **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S.SW-2 6'

Project: Red Hat SW01

Collection Date: 10/14/2021 11:18:00 AM

Lab ID: 2110729-032

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	73	60		mg/Kg	20	10/19/2021 7:30:00 PM	63395
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/20/2021 11:58:15 AM	63362
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/20/2021 11:58:15 AM	63362
Surr: DNOP	109	70-130		%Rec	1	10/20/2021 11:58:15 AM	63362
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/20/2021 4:54:16 AM	63350
Surr: BFB	105	70-130		%Rec	1	10/20/2021 4:54:16 AM	63350
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/20/2021 4:54:16 AM	63350
Toluene	ND	0.048		mg/Kg	1	10/20/2021 4:54:16 AM	63350
Ethylbenzene	ND	0.048		mg/Kg	1	10/20/2021 4:54:16 AM	63350
Xylenes, Total	ND	0.096		mg/Kg	1	10/20/2021 4:54:16 AM	63350
Surr: 4-Bromofluorobenzene	89.9	70-130		%Rec	1	10/20/2021 4:54:16 AM	63350

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 **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S.SW-3 5'

Project: Red Hat SW01

Collection Date: 10/14/2021 11:21:00 AM

Lab ID: 2110729-033

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	84	60		mg/Kg	20	10/19/2021 8:07:14 PM	63395
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/20/2021 12:22:18 PM	63362
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/20/2021 12:22:18 PM	63362
Surr: DNOP	97.9	70-130		%Rec	1	10/20/2021 12:22:18 PM	63362
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/20/2021 9:07:00 AM	63350
Surr: BFB	102	70-130		%Rec	1	10/20/2021 9:07:00 AM	63350
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	10/20/2021 9:07:00 AM	63350
Toluene	ND	0.049		mg/Kg	1	10/20/2021 9:07:00 AM	63350
Ethylbenzene	ND	0.049		mg/Kg	1	10/20/2021 9:07:00 AM	63350
Xylenes, Total	ND	0.098		mg/Kg	1	10/20/2021 9:07:00 AM	63350
Surr: 4-Bromofluorobenzene	86.7	70-130		%Rec	1	10/20/2021 9:07:00 AM	63350

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 **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S.SW-4 3'

Project: Red Hat SW01

Collection Date: 10/14/2021 11:24:00 AM

Lab ID: 2110729-034

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	61	60		mg/Kg	20	10/19/2021 8:19:39 PM	63395
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/20/2021 12:46:26 PM	63362
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/20/2021 12:46:26 PM	63362
Surr: DNOP	86.8	70-130		%Rec	1	10/20/2021 12:46:26 PM	63362
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/20/2021 9:26:00 AM	63350
Surr: BFB	103	70-130		%Rec	1	10/20/2021 9:26:00 AM	63350
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	10/20/2021 9:26:00 AM	63350
Toluene	ND	0.047		mg/Kg	1	10/20/2021 9:26:00 AM	63350
Ethylbenzene	ND	0.047		mg/Kg	1	10/20/2021 9:26:00 AM	63350
Xylenes, Total	ND	0.095		mg/Kg	1	10/20/2021 9:26:00 AM	63350
Surr: 4-Bromofluorobenzene	87.0	70-130		%Rec	1	10/20/2021 9:26:00 AM	63350

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 **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: E.SW 3'

Project: Red Hat SW01

Collection Date: 10/14/2021 10:42:00 AM

Lab ID: 2110729-035

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	89	60		mg/Kg	20	10/19/2021 8:32:04 PM	63395
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/20/2021 1:10:36 PM	63362
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/20/2021 1:10:36 PM	63362
Surr: DNOP	83.3	70-130		%Rec	1	10/20/2021 1:10:36 PM	63362
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/20/2021 9:46:00 AM	63350
Surr: BFB	106	70-130		%Rec	1	10/20/2021 9:46:00 AM	63350
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	10/20/2021 9:46:00 AM	63350
Toluene	ND	0.047		mg/Kg	1	10/20/2021 9:46:00 AM	63350
Ethylbenzene	ND	0.047		mg/Kg	1	10/20/2021 9:46:00 AM	63350
Xylenes, Total	ND	0.093		mg/Kg	1	10/20/2021 9:46:00 AM	63350
Surr: 4-Bromofluorobenzene	89.1	70-130		%Rec	1	10/20/2021 9:46:00 AM	63350

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 **2110729**

Date Reported: **10/26/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: W.SW 6'

Project: Red Hat SW01

Collection Date: 10/14/2021 11:27:00 AM

Lab ID: 2110729-036

Matrix: SOIL

Received Date: 10/15/2021 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	75	61		mg/Kg	20	10/19/2021 8:44:29 PM	63395
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/20/2021 1:34:51 PM	63362
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/20/2021 1:34:51 PM	63362
Surr: DNOP	108	70-130		%Rec	1	10/20/2021 1:34:51 PM	63362
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/20/2021 10:05:00 AM	63350
Surr: BFB	104	70-130		%Rec	1	10/20/2021 10:05:00 AM	63350
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	10/20/2021 10:05:00 AM	63350
Toluene	ND	0.049		mg/Kg	1	10/20/2021 10:05:00 AM	63350
Ethylbenzene	ND	0.049		mg/Kg	1	10/20/2021 10:05:00 AM	63350
Xylenes, Total	ND	0.097		mg/Kg	1	10/20/2021 10:05:00 AM	63350
Surr: 4-Bromofluorobenzene	90.5	70-130		%Rec	1	10/20/2021 10:05:00 AM	63350

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110729

26-Oct-21

Client: Talon Artesia
Project: Red Hat SW01

Sample ID: MB-63395	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 63395	RunNo: 82176								
Prep Date: 10/19/2021	Analysis Date: 10/19/2021	SeqNo: 2911610	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-63395	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 63395	RunNo: 82176								
Prep Date: 10/19/2021	Analysis Date: 10/19/2021	SeqNo: 2911611	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.3	90	110			

Sample ID: MB-63384	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 63384	RunNo: 82148								
Prep Date: 10/19/2021	Analysis Date: 10/19/2021	SeqNo: 2911697	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-63384	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 63384	RunNo: 82148								
Prep Date: 10/19/2021	Analysis Date: 10/19/2021	SeqNo: 2911698	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.8	90	110			

Sample ID: MB-63387	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 63387	RunNo: 82148								
Prep Date: 10/19/2021	Analysis Date: 10/19/2021	SeqNo: 2911727	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-63387	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 63387	RunNo: 82148								
Prep Date: 10/19/2021	Analysis Date: 10/19/2021	SeqNo: 2911728	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.1	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#: 2110729

26-Oct-21

Client: Talon Artesia
Project: Red Hat SW01

Sample ID: LCS-63359	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 63359	RunNo: 82184								
Prep Date: 10/18/2021	Analysis Date: 10/20/2021	SeqNo: 2913061	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	98.1	68.9	135			
Surr: DNOP	5.3		5.000		105	70	130			

Sample ID: MB-63359	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 63359	RunNo: 82184								
Prep Date: 10/18/2021	Analysis Date: 10/20/2021	SeqNo: 2913062	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		121	70	130			

Sample ID: LCS-63362	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 63362	RunNo: 82185								
Prep Date: 10/18/2021	Analysis Date: 10/20/2021	SeqNo: 2913259	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	10	50.00	0	110	68.9	135			
Surr: DNOP	5.4		5.000		109	70	130			

Sample ID: MB-63362	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 63362	RunNo: 82185								
Prep Date: 10/18/2021	Analysis Date: 10/20/2021	SeqNo: 2913260	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	9.5		10.00		94.6	70	130			

Sample ID: 2110729-021AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-21A 6'	Batch ID: 63362	RunNo: 82185								
Prep Date: 10/18/2021	Analysis Date: 10/20/2021	SeqNo: 2914660	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	9.9	49.70	0	80.0	39.3	155			
Surr: DNOP	3.7		4.970		75.3	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#: 2110729

26-Oct-21

Client: Talon Artesia
Project: Red Hat SW01

Sample ID: 2110729-021AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-21A 6'	Batch ID: 63362	RunNo: 82185								
Prep Date: 10/18/2021	Analysis Date: 10/20/2021	SeqNo: 2914661	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	95.2	39.3	155	18.0	23.4	
Surr: DNOP	4.8		5.000		96.1	70	130	0	0	

Sample ID: 2110729-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-1A 3'	Batch ID: 63359	RunNo: 82184								
Prep Date: 10/18/2021	Analysis Date: 10/20/2021	SeqNo: 2914670	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	30	9.9	49.31	0	61.6	39.3	155			
Surr: DNOP	2.4		4.931		48.5	70	130			S

Sample ID: 2110729-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: S-1A 3'	Batch ID: 63359	RunNo: 82184								
Prep Date: 10/18/2021	Analysis Date: 10/20/2021	SeqNo: 2914672	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	56	9.7	48.54	0	115	39.3	155	59.1	23.4	R
Surr: DNOP	4.7		4.854		96.3	70	130	0	0	

Sample ID: LCS-63449	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 63449	RunNo: 82184								
Prep Date: 10/20/2021	Analysis Date: 10/21/2021	SeqNo: 2916079	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.3		5.000		106	70	130			

Sample ID: MB-63449	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 63449	RunNo: 82184								
Prep Date: 10/20/2021	Analysis Date: 10/21/2021	SeqNo: 2916080	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		103	70	130			

Sample ID: MB-63472	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 63472	RunNo: 82268								
Prep Date: 10/21/2021	Analysis Date: 10/22/2021	SeqNo: 2916562	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								

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#: 2110729

26-Oct-21

Client: Talon Artesia
Project: Red Hat SW01

Sample ID: MB-63472	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 63472		RunNo: 82268							
Prep Date: 10/21/2021	Analysis Date: 10/22/2021		SeqNo: 2916562		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.3		10.00		93.5	70	130			

Sample ID: LCS-63472	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 63472		RunNo: 82268							
Prep Date: 10/21/2021	Analysis Date: 10/22/2021		SeqNo: 2916563		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.8	68.9	135			
Surr: DNOP	4.6		5.000		92.4	70	130			

Sample ID: MB-63472	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 63472		RunNo: 82270							
Prep Date: 10/21/2021	Analysis Date: 10/22/2021		SeqNo: 2916723		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	9.2		10.00		91.9	70	130			

Sample ID: MB-63472	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 63472		RunNo: 82269							
Prep Date: 10/21/2021	Analysis Date: 10/22/2021		SeqNo: 2918150		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	9.3		10.00		93.1	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110729

26-Oct-21

Client: Talon Artesia
Project: Red Hat SW01

Sample ID: mb-63340	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 63340	RunNo: 82157								
Prep Date: 10/15/2021	Analysis Date: 10/19/2021	SeqNo: 2911497	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		107	70	130			

Sample ID: ics-63340	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 63340	RunNo: 82157								
Prep Date: 10/15/2021	Analysis Date: 10/19/2021	SeqNo: 2911498	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	112	78.6	131			
Surr: BFB	1200		1000		124	70	130			

Sample ID: 2110729-001ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S-1A 3'	Batch ID: 63340	RunNo: 82157								
Prep Date: 10/15/2021	Analysis Date: 10/19/2021	SeqNo: 2911500	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	24.88	0	112	61.3	114			
Surr: BFB	1300		995.0		126	70	130			

Sample ID: 2110729-001amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S-1A 3'	Batch ID: 63340	RunNo: 82157								
Prep Date: 10/15/2021	Analysis Date: 10/19/2021	SeqNo: 2911501	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	4.9	24.56	0	110	61.3	114	2.83	20	
Surr: BFB	1200		982.3		123	70	130	0	0	

Sample ID: mb-63350	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 63350	RunNo: 82158								
Prep Date: 10/18/2021	Analysis Date: 10/20/2021	SeqNo: 2911926	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		104	70	130			

Sample ID: ics-63350	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 63350	RunNo: 82158								
Prep Date: 10/18/2021	Analysis Date: 10/20/2021	SeqNo: 2911928	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#: 2110729

26-Oct-21

Client: Talon Artesia
Project: Red Hat SW01

Sample ID: Ics-63350	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range									
Client ID: LCSS	Batch ID: 63350	RunNo: 82158									
Prep Date: 10/18/2021	Analysis Date: 10/20/2021	SeqNo: 2911928	Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	30	5.0	25.00	0	118	78.6	131				
Surr: BFB	1100		1000		114	70	130				

Sample ID: 2110729-021ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range									
Client ID: S-21A 6'	Batch ID: 63350	RunNo: 82158									
Prep Date: 10/18/2021	Analysis Date: 10/20/2021	SeqNo: 2911930	Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	32	4.6	22.98	0	137	61.3	114			S	
Surr: BFB	1200		919.1		126	70	130				

Sample ID: 2110729-021amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range									
Client ID: S-21A 6'	Batch ID: 63350	RunNo: 82158									
Prep Date: 10/18/2021	Analysis Date: 10/20/2021	SeqNo: 2911932	Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	32	4.7	23.43	0	135	61.3	114	0.687	20	S	
Surr: BFB	1100		937.2		123	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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110729

26-Oct-21

Client: Talon Artesia
Project: Red Hat SW01

Sample ID: mb-63340	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 63340	RunNo: 82157								
Prep Date: 10/15/2021	Analysis Date: 10/19/2021	SeqNo: 2911548	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	0.90		1.000		89.7	70	130			

Sample ID: LCS-63340	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 63340	RunNo: 82157								
Prep Date: 10/15/2021	Analysis Date: 10/19/2021	SeqNo: 2911549	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	92.0	80	120			
Toluene	0.95	0.050	1.000	0	94.6	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.1	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.4	80	120			
Surr: 4-Bromofluorobenzene	0.93		1.000		92.8	70	130			

Sample ID: 2110729-002ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-2A 3'	Batch ID: 63340	RunNo: 82157								
Prep Date: 10/15/2021	Analysis Date: 10/19/2021	SeqNo: 2911552	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.024	0.9728	0	93.5	80	120			
Toluene	0.96	0.049	0.9728	0	98.8	80	120			
Ethylbenzene	0.95	0.049	0.9728	0.01070	97.0	80	120			
Xylenes, Total	2.8	0.097	2.918	0	96.8	80	120			
Surr: 4-Bromofluorobenzene	0.95		0.9728		97.9	70	130			

Sample ID: 2110729-002amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-2A 3'	Batch ID: 63340	RunNo: 82157								
Prep Date: 10/15/2021	Analysis Date: 10/19/2021	SeqNo: 2911553	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.023	0.9346	0	90.5	80	120	7.26	20	
Toluene	0.88	0.047	0.9346	0	94.5	80	120	8.47	20	
Ethylbenzene	0.88	0.047	0.9346	0.01070	93.4	80	120	7.73	20	
Xylenes, Total	2.6	0.093	2.804	0	92.5	80	120	8.54	20	
Surr: 4-Bromofluorobenzene	0.88		0.9346		94.0	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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110729

26-Oct-21

Client: Talon Artesia
Project: Red Hat SW01

Sample ID: mb-63350	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 63350	RunNo: 82158								
Prep Date: 10/18/2021	Analysis Date: 10/20/2021	SeqNo: 2911966	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	0.90		1.000		89.8	70	130			

Sample ID: ics-63350	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 63350	RunNo: 82158								
Prep Date: 10/18/2021	Analysis Date: 10/20/2021	SeqNo: 2911968	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	94.2	80	120			
Toluene	0.93	0.050	1.000	0	93.0	80	120			
Ethylbenzene	0.96	0.050	1.000	0	95.7	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.5	80	120			
Surr: 4-Bromofluorobenzene	0.91		1.000		90.7	70	130			

Sample ID: 2110729-022ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-22A 6'	Batch ID: 63350	RunNo: 82158								
Prep Date: 10/18/2021	Analysis Date: 10/20/2021	SeqNo: 2911970	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.023	0.9328	0	104	80	120			
Toluene	0.99	0.047	0.9328	0	106	80	120			
Ethylbenzene	0.99	0.047	0.9328	0	107	80	120			
Xylenes, Total	3.0	0.093	2.799	0	108	80	120			
Surr: 4-Bromofluorobenzene	0.80		0.9328		86.2	70	130			

Sample ID: 2110729-022amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-22A 6'	Batch ID: 63350	RunNo: 82158								
Prep Date: 10/18/2021	Analysis Date: 10/20/2021	SeqNo: 2911972	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.024	0.9794	0	97.8	80	120	0.933	20	
Toluene	1.0	0.049	0.9794	0	104	80	120	2.90	20	
Ethylbenzene	1.0	0.049	0.9794	0	105	80	120	3.14	20	
Xylenes, Total	3.2	0.098	2.938	0	108	80	120	4.87	20	
Surr: 4-Bromofluorobenzene	0.85		0.9794		87.2	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



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: 2110729 RcptNo: 1

Received By: Cheyenne Cason 10/15/2021 7:20:00 AM

Completed By: Sean Livingston 10/15/2021 8:23:18 AM

Reviewed By: jn10/15/21

Handwritten signatures: Cason, Sean Livingston

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

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

of preserved bottles checked for pH: (<2 or >12 unless noted) Adjusted? Checked by: jn 10-15-21

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified: Date: By Whom: Via: [] eMail [] Phone [] Fax [] In Person Regarding: Client Instructions:

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Rows 1 and 2.

Chain-of-Custody Record

Client: Talon LPE

Mailing Address: On file

Phone #: _____

email or Fax#: _____

QA/QC Package: Standard Level 4 (Full Validation)

Accreditation: Az Compliance NELAC Other

EDD (Type) _____

Turn-Around Time: 4 Days

Standard Rush 10/20/21

Project Name: Red Hat SWDI (Red Hat)

Project #: 700438,267,01

Project Manager: R. Pons

Sampler: J. Larn

On Ice: Yes No

of Coolers: 2 1.6 - 0 = 1.6

Cooler Temp (including CF): 5.6 - 0 = 5.6 (°C)



www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

<input checked="" type="checkbox"/> BTEX / MTBE / TMB's (8021)	<input checked="" type="checkbox"/>
TPH:8015D(GRO / DRO / MRO)	<input checked="" type="checkbox"/>
8081 Pesticides/8082 PCB's	<input type="checkbox"/>
EDB (Method 504.1)	<input type="checkbox"/>
PAHs by 8310 or 8270SIMS	<input type="checkbox"/>
RCRA 8 Metals	<input type="checkbox"/>
Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	<input checked="" type="checkbox"/>
8260 (VOA)	<input type="checkbox"/>
8270 (Semi-VOA)	<input type="checkbox"/>
Total Coliform (Present/Absent)	<input type="checkbox"/>

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
10-13-21	9:00	Soil	S-1A 3'	Glass Jar	ICE/COOL	7110729 001
	9:03		S-2A 3'			002
	9:06		S-3A 3'			003
	9:09		S-4A 3'			004
	9:10		S-5A 3'			005
	9:15		S-6A 3'			006
	9:18		S-7A 3'			007
	9:21		S-8A 3'			008
	9:24		S-9A 3'			009
	10:00		S-10A 5'			010
	10:03		S-11A 5'			011
	10:06		S-12A 5'			012

Remarks: Page 1 of 3
B:11 direct to EDG

Received by: [Signature] Date: 10/14/21 1330

Relinquished by: [Signature] Date: _____

Date: 10/14/21 Time: 1400

Received by: CRC courier Date: 10/15/21 0720

Chain-of-Custody Record

Client: Tolan LPE

Mailing Address: on file

Phone #: _____

email or Fax#: _____

QA/QC Package: Standard Level 4 (Full Validation)

Accreditation: Az Compliance NELAC Other

EDD (Type) _____

Turn-Around Time: Standard Rush 10/20/21

Project Name: Red Hat SWD (Red Hat)

Project #: 700438262.01

Project Manager: R Pons

Sampler: J. Carnes

On Ice: Yes No

of Coolers: 2 1.6-0=1.4

Cooler Temp (including Cooler): 5.6-0=5.6 (°C)

Container Type and # Glass Jar

Preservative Type Ice/Cool

HEAL No. 013

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
10-17-21	10:09	Sols	5-13A 5'			013
	10:12		5-14A 5'			014
	10:15		5-15A 5'			015
	10:18		5-16A 6'			016
	10:21		5-17A 6'			017
	10:24		5-18A 6'			018
	11:00		5-19A 6'			019
	11:03		5-20A 6'			020
	11:06		5-21A 6'			021
	11:09		5-22A 6'			022
	11:12		5-23A 6'			023
	11:15		5-24A 6'			024

Relinquished by: [Signature]

Relinquished by: [Signature]

Date: 10/17/21 1900

Date: 10/15/21 0720

Received by: [Signature] Date: 10/15/21 1330

Received by: [Signature] Date: _____



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

<input checked="" type="checkbox"/> BTEX / MTBE / TMBs (8021)	<input checked="" type="checkbox"/> TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCBs	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
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Remarks: Page 2 of 3
Bill direct to EDG

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 61099

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 61099
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

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