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Remediation and Closure Report

Peridot 13 State #002H
API# 30-015-40777
Talon Project # 700794.282.01 *2RP-5340

Prepared For:

Devon Energy Production Company
6488 Seven Rivers Highway
Artesia, NM 88210

Prepared By:

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

February 25, 2020

Mr. Mike Bratcher
NMOCD District 2
811 S. 1st Street
Artesia, NM 88210

Subject: **Remediation and Closure Report**
Peridot 13 State #002H
API# 30-015-40777 *2RP-5340

Dear Mr. Bratcher,

Devon Energy Production Company (Devon Energy) contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above-referenced location. The incident descriptions, soil sampling results, remedial actions, and closure requests are presented herein.

Site Information

The Peridot 13 State #002H is located approximately twenty-seven (27) miles southeast of Artesia, New Mexico. The legal location for this release is Unit Letter K, Section 12, Township 19 South and Range 29 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.6739807 North and -104.0319901 West. A site map is presented in [Appendix I](#).

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service, the soil in this area is made up of Tonuco loamy fine sand, 0 to 3 percent slopes. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology is Holocene to middle Pleistocene in age and is comprised of eolian and piedmont deposits. Drainage courses in this area are excessively drained.

Ground Water and Site Assessment

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater is 195-feet below ground surface (BGS). See [Appendix II](#) for the referenced groundwater depth. This site is located within a low potential Karst area.

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

Approximate Depth to Groundwater **195 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 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 fresh water well or spring
- ☐ Yes ☒ No Within incorporated municipal boundaries or within a defined Municipal fresh water 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

Table I Closure Criteria for Soils Impacted by a Release			
Minimum depth below any point within the horizontal boundary of the release to ground water less than 10,000 mg/l TDS	Constituent	Method*	Limit**
>100 feet	Total Chlorides***	EPA 300.0 or SM4500 Cl B	20,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene		10 mg/kg

Incident Description

On December 4, 2018, an underground flow line ruptured releasing 30 barrels (bbls) of crude oil and 69 bbls of produced water onto the location. The flow line was taken out of service and subsequently repaired. Vac trucks were dispatched and were able to recover 6 bbls of total fluids.

On April 4, 2019, Talon mobilized personnel to begin the site assessment and soil sampling activities for the construction of the approved work plan. Grab soil samples were collected utilizing a hand auger. Results from our initial sampling event are presented in the following data table.

Soil Samples

4-4-19 Soil Samples

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	CI mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO combined = 1000 mg/kg			2500 mg/kg	10,000 mg/kg
S-1	4/4/2019	0	ND	ND	ND	ND	ND	ND	130
		1	ND	ND	ND	ND	ND	ND	130
		2	ND	ND	ND	ND	ND	ND	120
		3	ND	ND	ND	ND	ND	ND	160
		4	ND	ND	ND	ND	ND	ND	130
S-2	4/4/2019	0	ND	ND	ND	ND	ND	ND	290
		1	ND	ND	ND	ND	ND	ND	500
		2	ND	ND	ND	ND	ND	ND	430
S-3	4/4/2019	0	ND	ND	ND	ND	ND	ND	320
		1	ND	ND	ND	ND	ND	ND	240
S-4	4/4/2019	0	ND	ND	ND	ND	ND	ND	130
		1	ND	ND	ND	ND	ND	ND	280
		2	ND	ND	ND	ND	ND	ND	340
		3	ND	ND	ND	ND	ND	ND	330
S-5	4/4/2019	0	423.1	4.1	2800	19000	7500	29300	680
		1	124.93	0.93	870	7400	2300	10570	170
		2	ND	ND	ND	ND	ND	ND	140
		3	ND	ND	ND	ND	ND	ND	82
		4	ND	ND	ND	ND	ND	ND	ND
S-6	4/4/2019	0	237.4	3.4	1500	12000	4700	18200	3300
		1	14.4	ND	120	1500	750	2370	4900
		2	ND	6.29	60	1100	600	1760	1500
S-7	4/4/2019	0	ND	0.276	ND	1100	900	2000	3000
		1	ND	ND	ND	ND	ND	0	960
		2	ND	ND	ND	16	ND	16	450
S-8	4/4/2019	0	134.2	1.2	850	10000	4000	14850	6400
		1	ND	ND	ND	41	ND	41	4500
		2	ND	ND	ND	15	ND	15	180
		3	ND	ND	ND	ND	ND	ND	270
		4	ND	ND	ND	20	ND	20	540
S-9	4/4/2019	0	17.547	0.03	160	6700	2700	9560	950
		1	ND	ND	ND	15	ND	15	400
		2	ND	ND	ND	ND	ND	ND	170
		3	ND	ND	ND	ND	ND	ND	160
		4	ND	ND	ND	ND	ND	ND	90
S-10	4/4/2019	0	ND	ND	ND	430	220	650	7500
S-11	4/4/2019	0	0.84	ND	13	220	210	443	4600
		1	ND	ND	ND	16	ND	16	750

ND-No Analyte Detected

On August 16, 2019, Talon mobilized personnel and equipment to the site and began remediation activities. The impacted area was excavated utilizing a backhoe.

On August 22, 2019, Talon personnel returned to the site to obtain composite confirmation sidewall samples to ensure that the horizontal extent of the contamination had been removed. Results from the sampling event are presented in the following data table.

8-22-19 Composite Confirmation Samples

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
NMOCD Table 1 Closure Criteria 19.15.29 NMAC			50 mg/kg	10 mg/kg	DRO + GRO combined = 1000 mg/kg			2500 mg/kg
N. Sidewall 1' Excavation	8/22/2019	Composite	ND	ND	ND	208	45.6	208
N. Sidewall 2' Excavation	8/22/2019	Composite	ND	ND	ND	ND	ND	ND
S. Sidewall 1' Excavation	8/22/2019	Composite	ND	ND	ND	ND	ND	ND
E. Sidewall 2' Excavation	8/22/2019	Composite	ND	ND	ND	ND	ND	ND
W. Sidewall 1' Excavation	8/22/2019	Composite	ND	ND	ND	54.7	13.4	68.1
W. Sidewall 2' Excavation	8/22/2019	Composite	ND	ND	ND	ND	ND	ND

ND-No Analyte Detected

A complete laboratory report can be found in [Appendix V](#).

Remedial Actions

- The impacted area in the vicinity of S-5 and S-6 was excavated to a depth of 2.0-foot below ground surface (BGS). Laboratory analytical results from composite confirmation sidewall soil samples indicated that the TPH and BTEX concentrations were below NMOCD Closure Criteria 19.15.29.12 D NMAC.
- The impacted areas in the vicinity of S-7, S-8, and S-9 were excavated to a depth of 1.0-feet BGS. Composite confirmation sidewall samples were collected and analyzed for TPH and BTEX. A complete laboratory report can be found in [Appendix V](#).
- The impacted surface in the vicinity of S-10 and S-11 was surface scraped to remove the staining.
- All contaminated soil was transported to Lea Land, LLC, an NMOCD approved soil waste disposal facility.
- The excavated areas were backfilled with clean caliche, machine compacted and contoured to match the surrounding location.
- A Final C-141 is appended hereto in [Appendix III](#).

Closure

Based on this site characterization and analytical results, we request that no further actions are required and that closure with regard to the attached incident be granted.

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

Respectfully submitted,

TALON/LPE



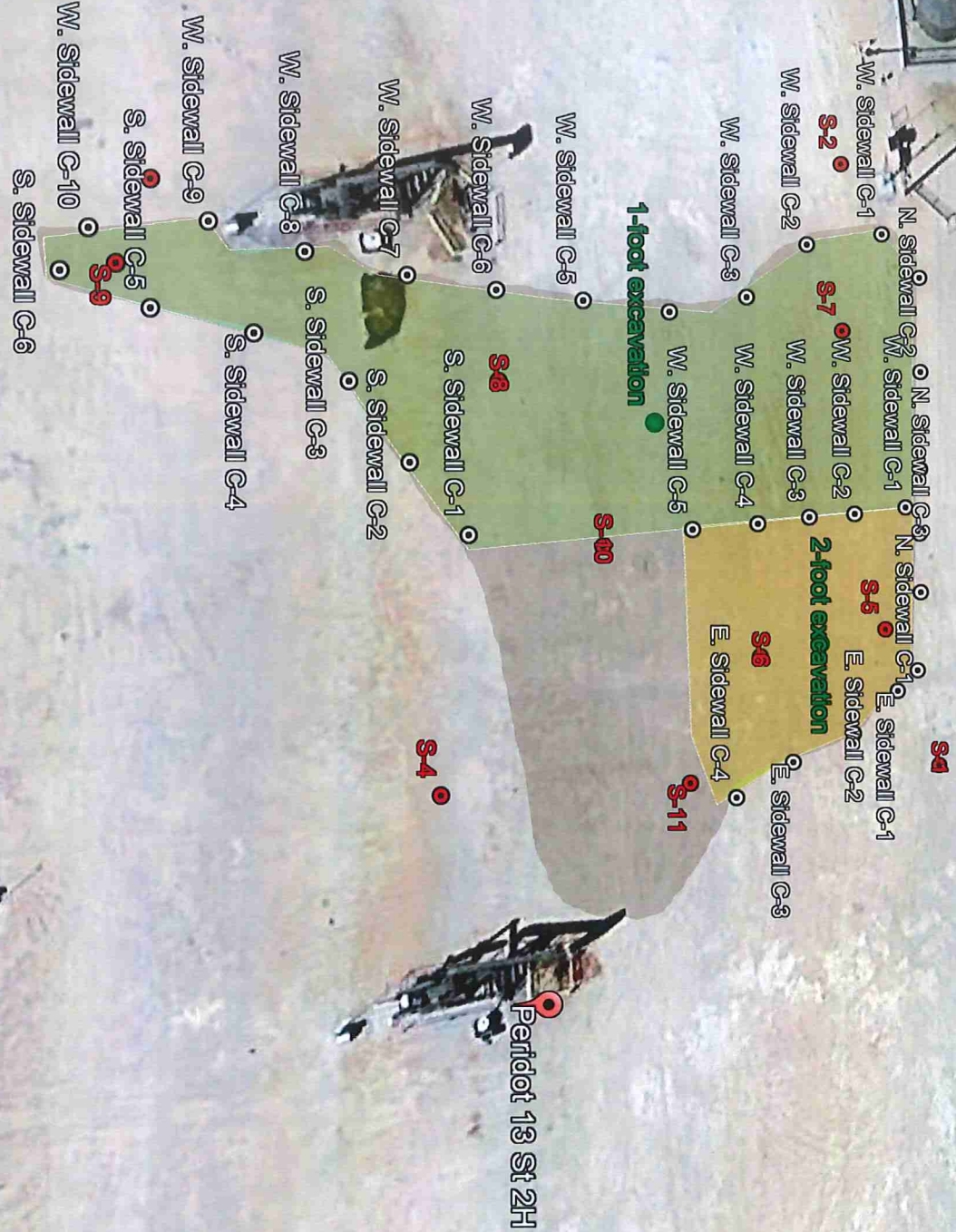
Chris Jones
Project Manager

Attachments:

- Appendix I Site Map, Karst Map, TOPO Map, & Locator Map
- Appendix II Soil Survey, Groundwater Data & FEMA Flood Map
- Appendix III Initial & Final C-141
- Appendix IV Photographic Documentation
- Appendix V Laboratory Data

Peridot 13 State #2H

Devon Energy Corporation
Eddy County, NM
API 30-015-40777
Site Map



Legend

- Composite Confirmation Samples
- Excavation Depths
- Impact Area
- Initial Soil Samples

Peridot 13 State #2H

Devon Energy Corporation
Eddy County, NM
API 30-015-40777
Karst Map

Legend

High

Low

Medium

Peridot 13 St 2H
W. Sidewall C-5
S. Sidewall C-5 S. Sidewall C-6

Google Earth

Peridot 13 State #002H

Devon Energy Corporation
Eddy County, NM
API # 30-015-40777
Topographic Map

Peridot 13 St 2H

Devon Energy Corporation
Eddy County, NM
API # 30-015-40777
Locator Map

Devon Energy Corporation
Eddy County, NM
API # 30-015-40777
Locator Map

Devon Energy Corporation
Eddy County, NM
API # 30-015-40777
Locator Map

Devon Energy Corporation
Eddy County, NM
API # 30-015-40777
Locator Map

Bermuda Rd

Hwy 82 Maljamar

249

Peridot 13 St 2H

Bluestem Rd

Google Earth

© 2018 Google

1630-1780 / Copernicus

360

31

176

243

M. Caispaad-Hwy

10 mi

Received by OGD: 4/8/2020 11:58:45 AM



APPENDIX II

SOIL SURVEY

GROUNDWATER DATA

FEMA FLOOD ZONE

Eddy Area, New Mexico

TF—Tonuco loamy fine sand, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w61
Elevation: 3,000 to 4,100 feet
Mean annual precipitation: 10 to 14 inches
Mean annual air temperature: 60 to 64 degrees F
Frost-free period: 200 to 217 days
Farmland classification: Not prime farmland

Map Unit Composition

Tonuco and similar soils: 100 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Tonuco

Setting

Landform: Alluvial fans, plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear, convex
Across-slope shape: Linear
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 5 inches: loamy fine sand
H2 - 5 to 15 inches: loamy fine sand
H3 - 15 to 19 inches: indurated

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 6 to 20 inches to petrocalcic
Natural drainage class: Excessively drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Salinity, maximum in profile: Nonsaline (0.0 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 1.0
Available water storage in profile: Very low (about 1.3 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: D
Ecological site: Sandy (R042XC004NM)
Hydric soil rating: No

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

Minor Components

Dune land

Percent of map unit:
Hydric soil rating: No

Tonuco

Percent of map unit:
Ecological site: Sandy (R042XC004NM)
Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 14, Sep 12, 2018



New Mexico Office of the State Engineer Water Column/Average Depth to Water

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

(R=POD has been replaced,
O=orphaned,

C=the file is closed)

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

(NAD83 UTM in meters)

(In feet)

POD Number	Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 00820 POD1	CP	LE		2	4	13	19S	29E		591713	3613870*	2171	120		
CP 00823 POD1	CP	LE		1	3	17	19S	30E		593715	3613885*	3064	120		
CP 00824 POD1	CP	LE		4	1	20	19S	30E		594129	3612680*	4242	70		
CP 00626 POD2	CP	ED		3	2	1	03	19S	29E	587660	3617880	4288	240	195	45
CP 00819 POD1	CP	LE		2	4	32	18S	30E		594878	3618720*	4292	150		
CP 00626 POD1	CP	ED		2	3	1	03	19S	29E	587360	3617575	4446	286	247	39

Average Depth to Water: 221 feet

Minimum Depth: 195 feet

Maximum Depth: 247 feet

Record Count:6

UTMNAD83 Radius Search (in meters):

Easting (X): 591530.5

Northing (Y): 3616033.54

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.

4/2/19 3:54 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

National Flood Hazard Layer FIRMette



32°40'41.47"N



USGS The National Map: Orthoimagery. Data refreshed October, 2017.



32°40'11.19"N

104°1'36.44"W

Legend

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

Without Base Flood Elevation (BFE)
Zone A, V, A99

With BFE or Depth Zone AE, AO, AH, VE, AR

Regulatory Floodway

0.2% Annual Chance Flood Hazard. Area of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile (Zone Y)

Future Conditions 1% Annual Chance Flood Hazard (Zone X)

Area with Reduced Flood Risk due to Levee. See Notes, Zone X

Area with Flood Risk due to Levee (Zone D)

NO SCREEN

Area of Minimal Flood Hazard (Zone X)

Effective LOMRs

Area of Undetermined Flood Hazard (Zone X)

Channel, Culvert, or Storm Sewer

Levee, Dike, or Floodwall

Cross Sections with 1% Annual Chance Water Surface Elevation

Coastal Transect

Base Flood Elevation Line (BFE)

Limit of Study

Jurisdiction Boundary

Coastal Transect Baseline

Profile Baseline

Hydrographic Feature

Digital Data Available

No Digital Data Available

Unmapped

SPECIAL FLOOD HAZARD AREAS

OTHER AREAS OF FLOOD HAZARD

OTHER AREAS

GENERAL STRUCTURES

OTHER FEATURES

MAP PANELS

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/9/2019 at 11:45:24 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



APPENDIX III

INITIAL & FINAL C-141

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Devon Energy Production Company	OGRID 6137
Contact Name Amanda T. Davis	Contact Telephone 575-748-0176
Contact email amanda.davis@dvn.com	Incident # (assigned by OCD)
Contact mailing address 6488 Seven Rivers Hwy	

Location of Release Source

Latitude 32.6739807 Longitude -104.0319901
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Peridot 13 State #002H	Site Type Oil
Date Release Discovered 12/4/2018	API# (if applicable) 3001540777

Unit Letter	Section	Township	Range	County
K	12	19	29E	Eddy

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

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 30	Volume Recovered (bbls) 6
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 69	Volume Recovered (bbls) 6
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input 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 An underground flow line ruptured. Spill area 50' x 90' x 1/4"

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? This spill is considered a major release because it is over 25 BBLS.
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>Kendra DeHoyos</u>	Title: <u>EHS Associate</u>
Signature: _____	Date: <u>12/11/2018</u>
email: <u>kendra.dehoyos@dvn.com</u>	Telephone: <u>575-748-3371</u>
<u>OCD Only</u>	
Received by: _____	Date: _____

Incident ID	NAB1909829288
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	Depth to water not accepted	195 (ft bgs)
Did this release impact groundwater or surface water?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	NAB1909829288
District RP	
Facility ID	
Application ID	

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

Printed Name: Chris Jones

Title: Project Manager

Signature: _____

Date: 2-25-20email: cjones@talonlpe.com

Telephone: 575-748-8768

OCD OnlyReceived by: Cristina EadsDate: 04/08/2020

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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

Printed Name: Chris Jones

Title: Project Manager

Signature: 

Date: 2-25-20

email: cjones@talonlpe.com

Telephone: 575-748-8768

OCD Only

Received by: _____ Date: _____

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

Signature: _____

Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NAB1909829288
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: Chris Jones

Title: Project Manager

Signature: 

Date: 2-25-20

email: cjones@talonlpe.com

Telephone: 575-748-8768

OCD Only

Received by: Cristina Eads

Date: 04/08/2020

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: D e n i e d Date: 05/12/2020

Printed Name: Cristina Eads

Title: Environmental Specialist



APPENDIX IV

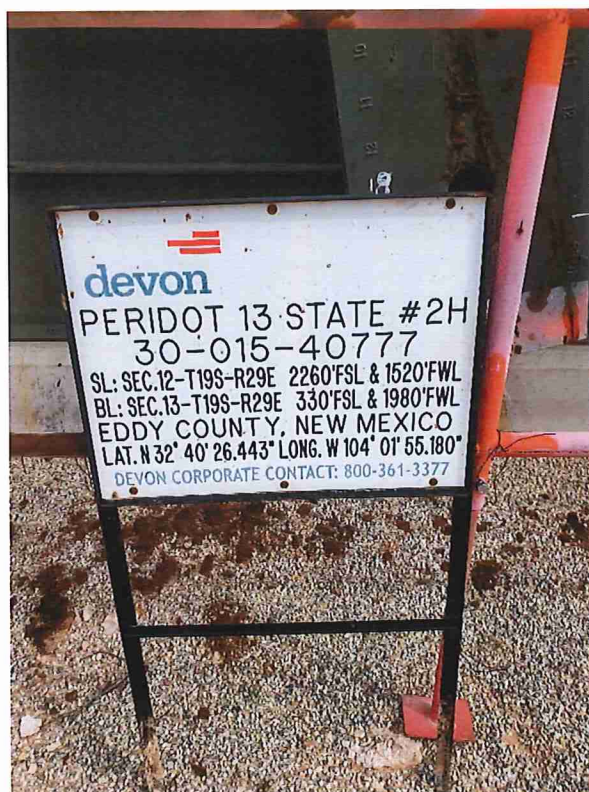
PHOTOGRAPHIC DOCUMENTATION

Spill Area





Completed Photos









APPENDIX V

LABORATORY DATA



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

April 17, 2019

David Adkins
Talon Artesia
408 West Texas Ave
Artesia, NM 88210
TEL:
FAX

RE: Devon Peridot 13 St 2H

OrderNo.: 1904472

Dear David Adkins:

Hall Environmental Analysis Laboratory received 38 sample(s) on 4/9/2019 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 1904472

Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-1 0'

Project: Devon Peridot 13 St 2H

Collection Date: 4/4/2019 8:50:00 AM

Lab ID: 1904472-001

Matrix: SOIL

Received Date: 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	130	60		mg/Kg	20	4/11/2019 9:07:05 PM	44301
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/15/2019 8:11:16 PM	44226
Surr: BFB	102	70-130		%Rec	1	4/15/2019 8:11:16 PM	44226
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: lrm
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/11/2019 9:40:46 PM	44241
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/11/2019 9:40:46 PM	44241
Surr: DNOP	147	70-130	S	%Rec	1	4/11/2019 9:40:46 PM	44241
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	4/15/2019 8:11:16 PM	44226
Toluene	ND	0.048		mg/Kg	1	4/15/2019 8:11:16 PM	44226
Ethylbenzene	ND	0.048		mg/Kg	1	4/15/2019 8:11:16 PM	44226
Xylenes, Total	ND	0.096		mg/Kg	1	4/15/2019 8:11:16 PM	44226
Surr: 1,2-Dichloroethane-d4	108	70-130		%Rec	1	4/15/2019 8:11:16 PM	44226
Surr: 4-Bromofluorobenzene	97.6	70-130		%Rec	1	4/15/2019 8:11:16 PM	44226
Surr: Dibromofluoromethane	108	70-130		%Rec	1	4/15/2019 8:11:16 PM	44226
Surr: Toluene-d8	100	70-130		%Rec	1	4/15/2019 8:11:16 PM	44226

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Analytical Report

Lab Order 1904472

Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-1 1'

Project: Devon Peridot 13 St 2H

Collection Date: 4/4/2019 8:55:00 AM

Lab ID: 1904472-002

Matrix: SOIL

Received Date: 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	130	60		mg/Kg	20	4/11/2019 9:44:20 PM	44301
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/15/2019 8:39:49 PM	44226
Surr: BFB	100	70-130		%Rec	1	4/15/2019 8:39:49 PM	44226
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: lrm
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/11/2019 10:02:39 PM	44241
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/11/2019 10:02:39 PM	44241
Surr: DNOP	145	70-130	S	%Rec	1	4/11/2019 10:02:39 PM	44241
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	4/15/2019 8:39:49 PM	44226
Toluene	ND	0.048		mg/Kg	1	4/15/2019 8:39:49 PM	44226
Ethylbenzene	ND	0.048		mg/Kg	1	4/15/2019 8:39:49 PM	44226
Xylenes, Total	ND	0.096		mg/Kg	1	4/15/2019 8:39:49 PM	44226
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	1	4/15/2019 8:39:49 PM	44226
Surr: 4-Bromofluorobenzene	94.0	70-130		%Rec	1	4/15/2019 8:39:49 PM	44226
Surr: Dibromofluoromethane	107	70-130		%Rec	1	4/15/2019 8:39:49 PM	44226
Surr: Toluene-d8	99.5	70-130		%Rec	1	4/15/2019 8:39:49 PM	44226

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Analytical Report

Lab Order 1904472

Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-1 2'

Project: Devon Peridot 13 St 2H

Collection Date: 4/4/2019 9:00:00 AM

Lab ID: 1904472-003

Matrix: SOIL

Received Date: 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	120	60		mg/Kg	20	4/11/2019 9:56:45 PM	44301
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/15/2019 9:08:16 PM	44226
Surr: BFB	103	70-130		%Rec	1	4/15/2019 9:08:16 PM	44226
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: lrm
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/11/2019 10:24:42 PM	44241
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/11/2019 10:24:42 PM	44241
Surr: DNOP	155	70-130	S	%Rec	1	4/11/2019 10:24:42 PM	44241
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	4/15/2019 9:08:16 PM	44226
Toluene	ND	0.050		mg/Kg	1	4/15/2019 9:08:16 PM	44226
Ethylbenzene	ND	0.050		mg/Kg	1	4/15/2019 9:08:16 PM	44226
Xylenes, Total	ND	0.10		mg/Kg	1	4/15/2019 9:08:16 PM	44226
Surr: 1,2-Dichloroethane-d4	109	70-130		%Rec	1	4/15/2019 9:08:16 PM	44226
Surr: 4-Bromofluorobenzene	96.9	70-130		%Rec	1	4/15/2019 9:08:16 PM	44226
Surr: Dibromofluoromethane	109	70-130		%Rec	1	4/15/2019 9:08:16 PM	44226
Surr: Toluene-d8	99.8	70-130		%Rec	1	4/15/2019 9:08:16 PM	44226

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Analytical Report

Lab Order 1904472

Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-1 3'

Project: Devon Peridot 13 St 2H

Collection Date: 4/4/2019 9:05:00 AM

Lab ID: 1904472-004

Matrix: SOIL

Received Date: 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	160	60		mg/Kg	20	4/11/2019 10:09:09 PM	44301
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/15/2019 9:36:55 PM	44226
Surr: BFB	101	70-130		%Rec	1	4/15/2019 9:36:55 PM	44226
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: lrm
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/11/2019 10:46:37 PM	44241
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/11/2019 10:46:37 PM	44241
Surr: DNOP	113	70-130		%Rec	1	4/11/2019 10:46:37 PM	44241
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	4/15/2019 9:36:55 PM	44226
Toluene	ND	0.049		mg/Kg	1	4/15/2019 9:36:55 PM	44226
Ethylbenzene	ND	0.049		mg/Kg	1	4/15/2019 9:36:55 PM	44226
Xylenes, Total	ND	0.098		mg/Kg	1	4/15/2019 9:36:55 PM	44226
Surr: 1,2-Dichloroethane-d4	105	70-130		%Rec	1	4/15/2019 9:36:55 PM	44226
Surr: 4-Bromofluorobenzene	97.5	70-130		%Rec	1	4/15/2019 9:36:55 PM	44226
Surr: Dibromofluoromethane	107	70-130		%Rec	1	4/15/2019 9:36:55 PM	44226
Surr: Toluene-d8	98.1	70-130		%Rec	1	4/15/2019 9:36:55 PM	44226

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Analytical Report

Lab Order 1904472

Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-1 4'

Project: Devon Peridot 13 St 2H

Collection Date: 4/4/2019 9:10:00 AM

Lab ID: 1904472-005

Matrix: SOIL

Received Date: 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	130	60		mg/Kg	20	4/11/2019 11:11:13 PM	44301
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/15/2019 10:05:29 PM	44226
Surr: BFB	102	70-130		%Rec	1	4/15/2019 10:05:29 PM	44226
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/16/2019 9:02:39 AM	44344
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/16/2019 9:02:39 AM	44344
Surr: DNOP	145	70-130	S	%Rec	1	4/16/2019 9:02:39 AM	44344
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	4/15/2019 10:05:29 PM	44226
Toluene	ND	0.048		mg/Kg	1	4/15/2019 10:05:29 PM	44226
Ethylbenzene	ND	0.048		mg/Kg	1	4/15/2019 10:05:29 PM	44226
Xylenes, Total	ND	0.095		mg/Kg	1	4/15/2019 10:05:29 PM	44226
Surr: 1,2-Dichloroethane-d4	108	70-130		%Rec	1	4/15/2019 10:05:29 PM	44226
Surr: 4-Bromofluorobenzene	96.7	70-130		%Rec	1	4/15/2019 10:05:29 PM	44226
Surr: Dibromofluoromethane	110	70-130		%Rec	1	4/15/2019 10:05:29 PM	44226
Surr: Toluene-d8	99.6	70-130		%Rec	1	4/15/2019 10:05:29 PM	44226

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Analytical Report

Lab Order 1904472

Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-2 0'

Project: Devon Peridot 13 St 2H

Collection Date: 4/4/2019 9:20:00 AM

Lab ID: 1904472-006

Matrix: SOIL

Received Date: 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	290	60		mg/Kg	20	4/11/2019 11:23:37 PM	44301
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/15/2019 10:33:56 PM	44226
Surr: BFB	102	70-130		%Rec	1	4/15/2019 10:33:56 PM	44226
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: lrm
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/11/2019 11:30:19 PM	44241
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/11/2019 11:30:19 PM	44241
Surr: DNOP	75.8	70-130		%Rec	1	4/11/2019 11:30:19 PM	44241
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	4/15/2019 10:33:56 PM	44226
Toluene	ND	0.048		mg/Kg	1	4/15/2019 10:33:56 PM	44226
Ethylbenzene	ND	0.048		mg/Kg	1	4/15/2019 10:33:56 PM	44226
Xylenes, Total	ND	0.096		mg/Kg	1	4/15/2019 10:33:56 PM	44226
Surr: 1,2-Dichloroethane-d4	109	70-130		%Rec	1	4/15/2019 10:33:56 PM	44226
Surr: 4-Bromofluorobenzene	97.2	70-130		%Rec	1	4/15/2019 10:33:56 PM	44226
Surr: Dibromofluoromethane	109	70-130		%Rec	1	4/15/2019 10:33:56 PM	44226
Surr: Toluene-d8	97.5	70-130		%Rec	1	4/15/2019 10:33:56 PM	44226

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Analytical Report

Lab Order 1904472

Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-2 1'

Project: Devon Peridot 13 St 2H

Collection Date: 4/4/2019 9:25:00 AM

Lab ID: 1904472-007

Matrix: SOIL

Received Date: 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	500	60		mg/Kg	20	4/11/2019 11:36:02 PM	44301
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/15/2019 11:02:31 PM	44226
Surr: BFB	102	70-130		%Rec	1	4/15/2019 11:02:31 PM	44226
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: lrm
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/11/2019 11:52:12 PM	44241
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/11/2019 11:52:12 PM	44241
Surr: DNOP	79.3	70-130		%Rec	1	4/11/2019 11:52:12 PM	44241
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	4/15/2019 11:02:31 PM	44226
Toluene	ND	0.048		mg/Kg	1	4/15/2019 11:02:31 PM	44226
Ethylbenzene	ND	0.048		mg/Kg	1	4/15/2019 11:02:31 PM	44226
Xylenes, Total	ND	0.096		mg/Kg	1	4/15/2019 11:02:31 PM	44226
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	1	4/15/2019 11:02:31 PM	44226
Surr: 4-Bromofluorobenzene	96.4	70-130		%Rec	1	4/15/2019 11:02:31 PM	44226
Surr: Dibromofluoromethane	108	70-130		%Rec	1	4/15/2019 11:02:31 PM	44226
Surr: Toluene-d8	98.8	70-130		%Rec	1	4/15/2019 11:02:31 PM	44226

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Analytical Report

Lab Order 1904472

Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-2 2'

Project: Devon Peridot 13 St 2H

Collection Date: 4/4/2019 9:30:00 AM

Lab ID: 1904472-008

Matrix: SOIL

Received Date: 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	430	60		mg/Kg	20	4/12/2019 11:00:43 AM	44309
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/15/2019 11:31:08 PM	44226
Surr: BFB	101	70-130		%Rec	1	4/15/2019 11:31:08 PM	44226
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: lrm
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	4/12/2019 12:14:01 AM	44241
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/12/2019 12:14:01 AM	44241
Surr: DNOP	85.9	70-130		%Rec	1	4/12/2019 12:14:01 AM	44241
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	4/15/2019 11:31:08 PM	44226
Toluene	ND	0.048		mg/Kg	1	4/15/2019 11:31:08 PM	44226
Ethylbenzene	ND	0.048		mg/Kg	1	4/15/2019 11:31:08 PM	44226
Xylenes, Total	ND	0.096		mg/Kg	1	4/15/2019 11:31:08 PM	44226
Surr: 1,2-Dichloroethane-d4	107	70-130		%Rec	1	4/15/2019 11:31:08 PM	44226
Surr: 4-Bromofluorobenzene	95.3	70-130		%Rec	1	4/15/2019 11:31:08 PM	44226
Surr: Dibromofluoromethane	107	70-130		%Rec	1	4/15/2019 11:31:08 PM	44226
Surr: Toluene-d8	98.8	70-130		%Rec	1	4/15/2019 11:31:08 PM	44226

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Analytical Report

Lab Order 1904472

Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-3 0'

Project: Devon Peridot 13 St 2H

Collection Date: 4/4/2019 9:40:00 AM

Lab ID: 1904472-009

Matrix: SOIL

Received Date: 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	320	60		mg/Kg	20	4/12/2019 11:13:07 AM	44309
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: lrm
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	4/12/2019 12:35:50 AM	44241
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	4/12/2019 12:35:50 AM	44241
Surr: DNOP	81.1	70-130		%Rec	1	4/12/2019 12:35:50 AM	44241
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/13/2019 12:59:50 AM	44238
Surr: BFB	92.4	73.8-119		%Rec	1	4/13/2019 12:59:50 AM	44238
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	4/13/2019 12:59:50 AM	44238
Toluene	ND	0.047		mg/Kg	1	4/13/2019 12:59:50 AM	44238
Ethylbenzene	ND	0.047		mg/Kg	1	4/13/2019 12:59:50 AM	44238
Xylenes, Total	ND	0.093		mg/Kg	1	4/13/2019 12:59:50 AM	44238
Surr: 4-Bromofluorobenzene	90.6	80-120		%Rec	1	4/13/2019 12:59:50 AM	44238

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Analytical Report

Lab Order 1904472

Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-3 1'

Project: Devon Peridot 13 St 2H

Collection Date: 4/4/2019 9:45:00 AM

Lab ID: 1904472-010

Matrix: SOIL

Received Date: 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	240	60		mg/Kg	20	4/12/2019 11:50:20 AM	44309
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: lrm
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/12/2019 12:57:47 AM	44241
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/12/2019 12:57:47 AM	44241
Surr: DNOP	91.4	70-130		%Rec	1	4/12/2019 12:57:47 AM	44241
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	4/13/2019 2:10:10 AM	44238
Surr: BFB	94.1	73.8-119		%Rec	1	4/13/2019 2:10:10 AM	44238
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	4/13/2019 2:10:10 AM	44238
Toluene	ND	0.046		mg/Kg	1	4/13/2019 2:10:10 AM	44238
Ethylbenzene	ND	0.046		mg/Kg	1	4/13/2019 2:10:10 AM	44238
Xylenes, Total	ND	0.093		mg/Kg	1	4/13/2019 2:10:10 AM	44238
Surr: 4-Bromofluorobenzene	93.0	80-120		%Rec	1	4/13/2019 2:10:10 AM	44238

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Analytical Report

Lab Order 1904472

Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-4 0'

Project: Devon Peridot 13 St 2H

Collection Date: 4/4/2019 10:00:00 AM

Lab ID: 1904472-011

Matrix: SOIL

Received Date: 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	130	60		mg/Kg	20	4/12/2019 12:27:33 PM	44309
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: lrm
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/12/2019 1:19:39 AM	44241
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/12/2019 1:19:39 AM	44241
Surr: DNOP	73.9	70-130		%Rec	1	4/12/2019 1:19:39 AM	44241
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	4/13/2019 3:20:46 AM	44238
Surr: BFB	96.5	73.8-119		%Rec	1	4/13/2019 3:20:46 AM	44238
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	4/13/2019 3:20:46 AM	44238
Toluene	ND	0.046		mg/Kg	1	4/13/2019 3:20:46 AM	44238
Ethylbenzene	ND	0.046		mg/Kg	1	4/13/2019 3:20:46 AM	44238
Xylenes, Total	ND	0.091		mg/Kg	1	4/13/2019 3:20:46 AM	44238
Surr: 4-Bromofluorobenzene	93.7	80-120		%Rec	1	4/13/2019 3:20:46 AM	44238

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Analytical Report

Lab Order 1904472

Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-4 1'

Project: Devon Peridot 13 St 2H

Collection Date: 4/4/2019 10:05:00 AM

Lab ID: 1904472-012

Matrix: SOIL

Received Date: 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	280	60		mg/Kg	20	4/12/2019 1:04:47 PM	44309
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: lrm
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/12/2019 1:41:24 AM	44241
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/12/2019 1:41:24 AM	44241
Surr: DNOP	86.6	70-130		%Rec	1	4/12/2019 1:41:24 AM	44241
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/13/2019 3:44:18 AM	44238
Surr: BFB	101	73.8-119		%Rec	1	4/13/2019 3:44:18 AM	44238
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	4/13/2019 3:44:18 AM	44238
Toluene	ND	0.049		mg/Kg	1	4/13/2019 3:44:18 AM	44238
Ethylbenzene	ND	0.049		mg/Kg	1	4/13/2019 3:44:18 AM	44238
Xylenes, Total	ND	0.099		mg/Kg	1	4/13/2019 3:44:18 AM	44238
Surr: 4-Bromofluorobenzene	101	80-120		%Rec	1	4/13/2019 3:44:18 AM	44238

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Analytical Report
 Lab Order 1904472
 Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia **Client Sample ID:** S-4 2'
Project: Devon Peridot 13 St 2H **Collection Date:** 4/4/2019 10:10:00 AM
Lab ID: 1904472-013 **Matrix:** SOIL **Received Date:** 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	340	60		mg/Kg	20	4/12/2019 1:17:12 PM	44309
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: lrm
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/12/2019 4:29:03 PM	44241
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/12/2019 4:29:03 PM	44241
Surr: DNOP	85.5	70-130		%Rec	1	4/12/2019 4:29:03 PM	44241
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/13/2019 4:07:45 AM	44238
Surr: BFB	89.5	73.8-119		%Rec	1	4/13/2019 4:07:45 AM	44238
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/13/2019 4:07:45 AM	44238
Toluene	ND	0.047		mg/Kg	1	4/13/2019 4:07:45 AM	44238
Ethylbenzene	ND	0.047		mg/Kg	1	4/13/2019 4:07:45 AM	44238
Xylenes, Total	ND	0.094		mg/Kg	1	4/13/2019 4:07:45 AM	44238
Surr: 4-Bromofluorobenzene	87.6	80-120		%Rec	1	4/13/2019 4:07:45 AM	44238

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Analytical Report

Lab Order 1904472

Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-4 3'

Project: Devon Peridot 13 St 2H

Collection Date: 4/4/2019 10:15:00 AM

Lab ID: 1904472-014

Matrix: SOIL

Received Date: 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	330	60		mg/Kg	20	4/12/2019 1:29:36 PM	44309
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/16/2019 9:26:37 AM	44344
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/16/2019 9:26:37 AM	44344
Surr: DNOP	144	70-130	S	%Rec	1	4/16/2019 9:26:37 AM	44344
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/13/2019 4:31:15 AM	44238
Surr: BFB	92.5	73.8-119		%Rec	1	4/13/2019 4:31:15 AM	44238
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	4/13/2019 4:31:15 AM	44238
Toluene	ND	0.050		mg/Kg	1	4/13/2019 4:31:15 AM	44238
Ethylbenzene	ND	0.050		mg/Kg	1	4/13/2019 4:31:15 AM	44238
Xylenes, Total	ND	0.099		mg/Kg	1	4/13/2019 4:31:15 AM	44238
Surr: 4-Bromofluorobenzene	91.1	80-120		%Rec	1	4/13/2019 4:31:15 AM	44238

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Analytical Report

Lab Order 1904472

Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-5 0'

Project: Devon Peridot 13 St 2H

Collection Date: 4/4/2019 10:25:00 AM

Lab ID: 1904472-015

Matrix: SOIL

Received Date: 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	680	60		mg/Kg	20	4/12/2019 1:42:01 PM	44309
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: lrm
Diesel Range Organics (DRO)	19000	960		mg/Kg	100	4/12/2019 5:13:12 PM	44241
Motor Oil Range Organics (MRO)	7500	4800		mg/Kg	100	4/12/2019 5:13:12 PM	44241
Surr: DNOP	0	70-130	S	%Rec	100	4/12/2019 5:13:12 PM	44241
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	2800	240		mg/Kg	50	4/13/2019 7:47:13 AM	44238
Surr: BFB	353	73.8-119	S	%Rec	50	4/13/2019 7:47:13 AM	44238
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	4.1	1.2		mg/Kg	50	4/13/2019 7:47:13 AM	44238
Toluene	120	2.4		mg/Kg	50	4/13/2019 7:47:13 AM	44238
Ethylbenzene	89	2.4		mg/Kg	50	4/13/2019 7:47:13 AM	44238
Xylenes, Total	210	4.9		mg/Kg	50	4/13/2019 7:47:13 AM	44238
Surr: 4-Bromofluorobenzene	132	80-120	S	%Rec	50	4/13/2019 7:47:13 AM	44238

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Analytical Report

Lab Order 1904472

Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-5 1'

Project: Devon Peridot 13 St 2H

Collection Date: 4/4/2019 10:30:00 AM

Lab ID: 1904472-016

Matrix: SOIL

Received Date: 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	170	60		mg/Kg	20	4/12/2019 1:54:26 PM	44309
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: lrm
Diesel Range Organics (DRO)	7400	93		mg/Kg	10	4/12/2019 9:01:06 PM	44265
Motor Oil Range Organics (MRO)	2300	460		mg/Kg	10	4/12/2019 9:01:06 PM	44265
Surr: DNOP	0	70-130	S	%Rec	10	4/12/2019 9:01:06 PM	44265
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	870	92		mg/Kg	20	4/13/2019 8:10:41 AM	44238
Surr: BFB	340	73.8-119	S	%Rec	20	4/13/2019 8:10:41 AM	44238
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	0.93	0.46		mg/Kg	20	4/13/2019 8:10:41 AM	44238
Toluene	31	0.92		mg/Kg	20	4/13/2019 8:10:41 AM	44238
Ethylbenzene	27	0.92		mg/Kg	20	4/13/2019 8:10:41 AM	44238
Xylenes, Total	66	1.8		mg/Kg	20	4/13/2019 8:10:41 AM	44238
Surr: 4-Bromofluorobenzene	126	80-120	S	%Rec	20	4/13/2019 8:10:41 AM	44238

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Analytical Report

Lab Order 1904472

Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-5 2'

Project: Devon Peridot 13 St 2H

Collection Date: 4/4/2019 10:35:00 AM

Lab ID: 1904472-017

Matrix: SOIL

Received Date: 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	140	60		mg/Kg	20	4/12/2019 2:06:51 PM	44309
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: lrm
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/12/2019 9:49:16 PM	44265
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/12/2019 9:49:16 PM	44265
Surr: DNOP	101	70-130		%Rec	1	4/12/2019 9:49:16 PM	44265
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	4/13/2019 8:34:11 AM	44238
Surr: BFB	101	73.8-119		%Rec	1	4/13/2019 8:34:11 AM	44238
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	4/13/2019 8:34:11 AM	44238
Toluene	ND	0.046		mg/Kg	1	4/13/2019 8:34:11 AM	44238
Ethylbenzene	ND	0.046		mg/Kg	1	4/13/2019 8:34:11 AM	44238
Xylenes, Total	ND	0.093		mg/Kg	1	4/13/2019 8:34:11 AM	44238
Surr: 4-Bromofluorobenzene	94.8	80-120		%Rec	1	4/13/2019 8:34:11 AM	44238

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia **Client Sample ID:** S-5 3'
Project: Devon Peridot 13 St 2H **Collection Date:** 4/4/2019 10:40:00 AM
Lab ID: 1904472-018 **Matrix:** SOIL **Received Date:** 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	82	60		mg/Kg	20	4/12/2019 2:19:15 PM	44309
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: lrm
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	4/12/2019 10:13:17 PM	44265
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/12/2019 10:13:17 PM	44265
Surr: DNOP	98.7	70-130		%Rec	1	4/12/2019 10:13:17 PM	44265
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/13/2019 8:57:43 AM	44238
Surr: BFB	101	73.8-119		%Rec	1	4/13/2019 8:57:43 AM	44238
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/13/2019 8:57:43 AM	44238
Toluene	ND	0.047		mg/Kg	1	4/13/2019 8:57:43 AM	44238
Ethylbenzene	ND	0.047		mg/Kg	1	4/13/2019 8:57:43 AM	44238
Xylenes, Total	ND	0.095		mg/Kg	1	4/13/2019 8:57:43 AM	44238
Surr: 4-Bromofluorobenzene	99.9	80-120		%Rec	1	4/13/2019 8:57:43 AM	44238

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia **Client Sample ID:** S-5 4'
Project: Devon Peridot 13 St 2H **Collection Date:** 4/4/2019 10:45:00 AM
Lab ID: 1904472-019 **Matrix:** SOIL **Received Date:** 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	4/12/2019 2:56:29 PM	44309
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: lrm
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/12/2019 10:37:23 PM	44265
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/12/2019 10:37:23 PM	44265
Surr: DNOP	98.7	70-130		%Rec	1	4/12/2019 10:37:23 PM	44265
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/13/2019 9:20:59 AM	44238
Surr: BFB	90.7	73.8-119		%Rec	1	4/13/2019 9:20:59 AM	44238
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/13/2019 9:20:59 AM	44238
Toluene	ND	0.048		mg/Kg	1	4/13/2019 9:20:59 AM	44238
Ethylbenzene	ND	0.048		mg/Kg	1	4/13/2019 9:20:59 AM	44238
Xylenes, Total	ND	0.096		mg/Kg	1	4/13/2019 9:20:59 AM	44238
Surr: 4-Bromofluorobenzene	89.3	80-120		%Rec	1	4/13/2019 9:20:59 AM	44238

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Analytical Report
 Lab Order 1904472
 Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia **Client Sample ID:** S-6 0'
Project: Devon Peridot 13 St 2H **Collection Date:** 4/4/2019 10:55:00 AM
Lab ID: 1904472-020 **Matrix:** SOIL **Received Date:** 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	3300	150		mg/Kg	50	4/16/2019 10:17:13 AM	44309
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	12000	500		mg/Kg	50	4/11/2019 8:05:48 PM	44266
Motor Oil Range Organics (MRO)	4700	2500		mg/Kg	50	4/11/2019 8:05:48 PM	44266
Surr: DNOP	0	70-130	S	%Rec	50	4/11/2019 8:05:48 PM	44266
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	1500	250		mg/Kg	50	4/13/2019 9:44:26 AM	44238
Surr: BFB	239	73.8-119	S	%Rec	50	4/13/2019 9:44:26 AM	44238
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	3.4	1.2		mg/Kg	50	4/13/2019 9:44:26 AM	44238
Toluene	77	2.5		mg/Kg	50	4/13/2019 9:44:26 AM	44238
Ethylbenzene	47	2.5		mg/Kg	50	4/13/2019 9:44:26 AM	44238
Xylenes, Total	110	5.0		mg/Kg	50	4/13/2019 9:44:26 AM	44238
Surr: 4-Bromofluorobenzene	118	80-120		%Rec	50	4/13/2019 9:44:26 AM	44238

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Analytical Report

Lab Order 1904472

Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-6 1'

Project: Devon Peridot 13 St 2H

Collection Date: 4/4/2019 11:00:00 AM

Lab ID: 1904472-021

Matrix: SOIL

Received Date: 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	4900	150		mg/Kg	50	4/16/2019 10:29:38 AM	44309
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	1500	98		mg/Kg	10	4/11/2019 8:29:38 PM	44266
Motor Oil Range Organics (MRO)	750	490		mg/Kg	10	4/11/2019 8:29:38 PM	44266
Surr: DNOP	0	70-130	S	%Rec	10	4/11/2019 8:29:38 PM	44266
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	120	25		mg/Kg	5	4/14/2019 7:45:18 AM	44238
Surr: BFB	244	73.8-119	S	%Rec	5	4/14/2019 7:45:18 AM	44238
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	4/14/2019 7:45:18 AM	44238
Toluene	2.4	0.25		mg/Kg	5	4/14/2019 7:45:18 AM	44238
Ethylbenzene	3.3	0.25		mg/Kg	5	4/14/2019 7:45:18 AM	44238
Xylenes, Total	8.7	0.50		mg/Kg	5	4/14/2019 7:45:18 AM	44238
Surr: 4-Bromofluorobenzene	110	80-120		%Rec	5	4/14/2019 7:45:18 AM	44238

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Analytical Report

Lab Order 1904472

Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-6 2'

Project: Devon Peridot 13 St 2H

Collection Date: 4/4/2019 11:05:00 AM

Lab ID: 1904472-022

Matrix: SOIL

Received Date: 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	1500	59		mg/Kg	20	4/12/2019 3:46:08 PM	44309
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	1100	96		mg/Kg	10	4/11/2019 4:53:12 PM	44266
Motor Oil Range Organics (MRO)	600	480		mg/Kg	10	4/11/2019 4:53:12 PM	44266
Surr: DNOP	0	70-130	S	%Rec	10	4/11/2019 4:53:12 PM	44266
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	60	4.9		mg/Kg	1	4/13/2019 10:31:34 AM	44238
Surr: BFB	522	73.8-119	S	%Rec	1	4/13/2019 10:31:34 AM	44238
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	4/13/2019 10:31:34 AM	44238
Toluene	0.89	0.049		mg/Kg	1	4/13/2019 10:31:34 AM	44238
Ethylbenzene	1.4	0.049		mg/Kg	1	4/13/2019 10:31:34 AM	44238
Xylenes, Total	4.0	0.098		mg/Kg	1	4/13/2019 10:31:34 AM	44238
Surr: 4-Bromofluorobenzene	149	80-120	S	%Rec	1	4/13/2019 10:31:34 AM	44238

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Analytical Report

Lab Order 1904472

Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-7 0'

Project: Devon Peridot 13 St 2H

Collection Date: 4/4/2019 11:15:00 AM

Lab ID: 1904472-023

Matrix: SOIL

Received Date: 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	3000	150		mg/Kg	50	4/16/2019 10:42:03 AM	44309
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	1100	97		mg/Kg	10	4/11/2019 5:41:37 PM	44266
Motor Oil Range Organics (MRO)	900	490		mg/Kg	10	4/11/2019 5:41:37 PM	44266
Surr: DNOP	0	70-130	S	%Rec	10	4/11/2019 5:41:37 PM	44266
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/13/2019 10:55:03 AM	44238
Surr: BFB	97.7	73.8-119		%Rec	1	4/13/2019 10:55:03 AM	44238
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	4/13/2019 10:55:03 AM	44238
Toluene	0.081	0.050		mg/Kg	1	4/13/2019 10:55:03 AM	44238
Ethylbenzene	0.055	0.050		mg/Kg	1	4/13/2019 10:55:03 AM	44238
Xylenes, Total	0.14	0.10		mg/Kg	1	4/13/2019 10:55:03 AM	44238
Surr: 4-Bromofluorobenzene	92.0	80-120		%Rec	1	4/13/2019 10:55:03 AM	44238

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Analytical Report

Lab Order 1904472

Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-7 1'

Project: Devon Peridot 13 St 2H

Collection Date: 4/4/2019 11:20:00 AM

Lab ID: 1904472-024

Matrix: SOIL

Received Date: 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	960	60		mg/Kg	20	4/12/2019 4:10:58 PM	44309
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/11/2019 8:53:53 AM	44266
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/11/2019 8:53:53 AM	44266
Surr: DNOP	129	70-130		%Rec	1	4/11/2019 8:53:53 AM	44266
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/13/2019 2:50:38 PM	44253
Surr: BFB	99.5	73.8-119		%Rec	1	4/13/2019 2:50:38 PM	44253
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	4/13/2019 2:50:38 PM	44253
Toluene	ND	0.047		mg/Kg	1	4/13/2019 2:50:38 PM	44253
Ethylbenzene	ND	0.047		mg/Kg	1	4/13/2019 2:50:38 PM	44253
Xylenes, Total	ND	0.094		mg/Kg	1	4/13/2019 2:50:38 PM	44253
Surr: 4-Bromofluorobenzene	97.3	80-120		%Rec	1	4/13/2019 2:50:38 PM	44253

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Analytical Report

Lab Order 1904472

Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-7 2'

Project: Devon Peridot 13 St 2H

Collection Date: 4/4/2019 11:25:00 AM

Lab ID: 1904472-025

Matrix: SOIL

Received Date: 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	450	60		mg/Kg	20	4/12/2019 4:23:22 PM	44309
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	16	9.9		mg/Kg	1	4/11/2019 9:17:43 AM	44266
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/11/2019 9:17:43 AM	44266
Surr: DNOP	128	70-130		%Rec	1	4/11/2019 9:17:43 AM	44266
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	4/13/2019 4:01:06 PM	44253
Surr: BFB	96.6	73.8-119		%Rec	1	4/13/2019 4:01:06 PM	44253
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	4/13/2019 4:01:06 PM	44253
Toluene	ND	0.046		mg/Kg	1	4/13/2019 4:01:06 PM	44253
Ethylbenzene	ND	0.046		mg/Kg	1	4/13/2019 4:01:06 PM	44253
Xylenes, Total	ND	0.093		mg/Kg	1	4/13/2019 4:01:06 PM	44253
Surr: 4-Bromofluorobenzene	92.3	80-120		%Rec	1	4/13/2019 4:01:06 PM	44253

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Analytical Report

Lab Order 1904472

Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-8 0'

Project: Devon Peridot 13 St 2H

Collection Date: 4/4/2019 11:40:00 AM

Lab ID: 1904472-026

Matrix: SOIL

Received Date: 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	6400	300		mg/Kg	100	4/16/2019 10:54:28 AM	44309
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	10000	480		mg/Kg	50	4/12/2019 2:22:13 PM	44266
Motor Oil Range Organics (MRO)	4000	2400		mg/Kg	50	4/12/2019 2:22:13 PM	44266
Surr: DNOP	0	70-130	S	%Rec	50	4/12/2019 2:22:13 PM	44266
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	850	96		mg/Kg	20	4/13/2019 4:24:36 PM	44253
Surr: BFB	319	73.8-119	S	%Rec	20	4/13/2019 4:24:36 PM	44253
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	1.2	0.48		mg/Kg	20	4/13/2019 4:24:36 PM	44253
Toluene	38	0.96		mg/Kg	20	4/13/2019 4:24:36 PM	44253
Ethylbenzene	28	0.96		mg/Kg	20	4/13/2019 4:24:36 PM	44253
Xylenes, Total	67	1.9		mg/Kg	20	4/13/2019 4:24:36 PM	44253
Surr: 4-Bromofluorobenzene	128	80-120	S	%Rec	20	4/13/2019 4:24:36 PM	44253

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Analytical Report

Lab Order 1904472

Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-8 1'

Project: Devon Peridot 13 St 2H

Collection Date: 4/4/2019 11:45:00 AM

Lab ID: 1904472-027

Matrix: SOIL

Received Date: 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: smb
Chloride	4500	150		mg/Kg	50	4/15/2019 4:42:17 PM	44331
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	41	9.8		mg/Kg	1	4/11/2019 9:41:33 AM	44266
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/11/2019 9:41:33 AM	44266
Surr: DNOP	122	70-130		%Rec	1	4/11/2019 9:41:33 AM	44266
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/13/2019 4:48:10 PM	44253
Surr: BFB	96.6	73.8-119		%Rec	1	4/13/2019 4:48:10 PM	44253
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/13/2019 4:48:10 PM	44253
Toluene	ND	0.048		mg/Kg	1	4/13/2019 4:48:10 PM	44253
Ethylbenzene	ND	0.048		mg/Kg	1	4/13/2019 4:48:10 PM	44253
Xylenes, Total	ND	0.097		mg/Kg	1	4/13/2019 4:48:10 PM	44253
Surr: 4-Bromofluorobenzene	91.3	80-120		%Rec	1	4/13/2019 4:48:10 PM	44253

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Analytical Report
 Lab Order 1904472
 Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia **Client Sample ID:** S-8 2'
Project: Devon Peridot 13 St 2H **Collection Date:** 4/4/2019 11:50:00 AM
Lab ID: 1904472-028 **Matrix:** SOIL **Received Date:** 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: smb
Chloride	180	60		mg/Kg	20	4/15/2019 11:32:02 AM	44331
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	15	9.1		mg/Kg	1	4/16/2019 9:50:42 AM	44344
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/16/2019 9:50:42 AM	44344
Surr: DNOP	123	70-130		%Rec	1	4/16/2019 9:50:42 AM	44344
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/13/2019 5:11:42 PM	44253
Surr: BFB	92.5	73.8-119		%Rec	1	4/13/2019 5:11:42 PM	44253
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/13/2019 5:11:42 PM	44253
Toluene	ND	0.048		mg/Kg	1	4/13/2019 5:11:42 PM	44253
Ethylbenzene	ND	0.048		mg/Kg	1	4/13/2019 5:11:42 PM	44253
Xylenes, Total	ND	0.096		mg/Kg	1	4/13/2019 5:11:42 PM	44253
Surr: 4-Bromofluorobenzene	91.8	80-120		%Rec	1	4/13/2019 5:11:42 PM	44253

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Analytical Report

Lab Order 1904472

Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-8 3'

Project: Devon Peridot 13 St 2H

Collection Date: 4/4/2019 11:55:00 AM

Lab ID: 1904472-029

Matrix: SOIL

Received Date: 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: smb
Chloride	270	60		mg/Kg	20	4/15/2019 11:44:27 AM	44331
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/11/2019 10:29:19 AM	44266
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/11/2019 10:29:19 AM	44266
Surr: DNOP	127	70-130		%Rec	1	4/11/2019 10:29:19 AM	44266
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/13/2019 5:35:13 PM	44253
Surr: BFB	91.0	73.8-119		%Rec	1	4/13/2019 5:35:13 PM	44253
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/13/2019 5:35:13 PM	44253
Toluene	ND	0.047		mg/Kg	1	4/13/2019 5:35:13 PM	44253
Ethylbenzene	ND	0.047		mg/Kg	1	4/13/2019 5:35:13 PM	44253
Xylenes, Total	ND	0.094		mg/Kg	1	4/13/2019 5:35:13 PM	44253
Surr: 4-Bromofluorobenzene	90.9	80-120		%Rec	1	4/13/2019 5:35:13 PM	44253

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Analytical Report

Lab Order 1904472

Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-8 4'

Project: Devon Peridot 13 St 2H

Collection Date: 4/4/2019 12:00:00 PM

Lab ID: 1904472-030

Matrix: SOIL

Received Date: 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: smb
Chloride	540	60		mg/Kg	20	4/15/2019 11:56:52 AM	44331
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	20	9.8		mg/Kg	1	4/11/2019 10:53:14 AM	44266
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/11/2019 10:53:14 AM	44266
Surr: DNOP	103	70-130		%Rec	1	4/11/2019 10:53:14 AM	44266
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/13/2019 5:58:41 PM	44253
Surr: BFB	89.7	73.8-119		%Rec	1	4/13/2019 5:58:41 PM	44253
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	4/13/2019 5:58:41 PM	44253
Toluene	ND	0.049		mg/Kg	1	4/13/2019 5:58:41 PM	44253
Ethylbenzene	ND	0.049		mg/Kg	1	4/13/2019 5:58:41 PM	44253
Xylenes, Total	ND	0.098		mg/Kg	1	4/13/2019 5:58:41 PM	44253
Surr: 4-Bromofluorobenzene	89.3	80-120		%Rec	1	4/13/2019 5:58:41 PM	44253

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Analytical Report

Lab Order 1904472

Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-9 0'

Project: Devon Peridot 13 St 2H

Collection Date: 4/4/2019 12:45:00 PM

Lab ID: 1904472-031

Matrix: SOIL

Received Date: 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: smb
Chloride	950	60		mg/Kg	20	4/15/2019 12:09:16 PM	44331
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	6700	98		mg/Kg	10	4/11/2019 7:17:59 PM	44266
Motor Oil Range Organics (MRO)	2700	490		mg/Kg	10	4/11/2019 7:17:59 PM	44266
Surr: DNOP	0	70-130	S	%Rec	10	4/11/2019 7:17:59 PM	44266
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	160	4.7		mg/Kg	1	4/13/2019 6:21:56 PM	44253
Surr: BFB	1480	73.8-119	S	%Rec	1	4/13/2019 6:21:56 PM	44253
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	0.037	0.023		mg/Kg	1	4/13/2019 6:21:56 PM	44253
Toluene	0.91	0.047		mg/Kg	1	4/13/2019 6:21:56 PM	44253
Ethylbenzene	3.6	0.047		mg/Kg	1	4/13/2019 6:21:56 PM	44253
Xylenes, Total	13	0.093		mg/Kg	1	4/13/2019 6:21:56 PM	44253
Surr: 4-Bromofluorobenzene	366	80-120	S	%Rec	1	4/13/2019 6:21:56 PM	44253

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Analytical Report

Lab Order 1904472

Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-9 1'

Project: Devon Peridot 13 St 2H

Collection Date: 4/4/2019 12:50:00 PM

Lab ID: 1904472-032

Matrix: SOIL

Received Date: 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: smb
Chloride	400	60		mg/Kg	20	4/15/2019 12:21:41 PM	44331
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	15	9.8		mg/Kg	1	4/11/2019 11:17:05 AM	44266
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/11/2019 11:17:05 AM	44266
Surr: DNOP	111	70-130		%Rec	1	4/11/2019 11:17:05 AM	44266
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/14/2019 8:32:10 AM	44253
Surr: BFB	89.8	73.8-119		%Rec	1	4/14/2019 8:32:10 AM	44253
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	4/14/2019 8:32:10 AM	44253
Toluene	ND	0.049		mg/Kg	1	4/14/2019 8:32:10 AM	44253
Ethylbenzene	ND	0.049		mg/Kg	1	4/14/2019 8:32:10 AM	44253
Xylenes, Total	ND	0.098		mg/Kg	1	4/14/2019 8:32:10 AM	44253
Surr: 4-Bromofluorobenzene	88.9	80-120		%Rec	1	4/14/2019 8:32:10 AM	44253

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Analytical Report

Lab Order 1904472

Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-9 2'

Project: Devon Peridot 13 St 2H

Collection Date: 4/4/2019 12:55:00 PM

Lab ID: 1904472-033

Matrix: SOIL

Received Date: 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: smb
Chloride	170	60		mg/Kg	20	4/15/2019 12:58:54 PM	44331
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	4/11/2019 11:41:00 AM	44266
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/11/2019 11:41:00 AM	44266
Surr: DNOP	132	70-130	S	%Rec	1	4/11/2019 11:41:00 AM	44266
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	4/13/2019 7:08:52 PM	44253
Surr: BFB	94.2	73.8-119		%Rec	1	4/13/2019 7:08:52 PM	44253
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/13/2019 7:08:52 PM	44253
Toluene	ND	0.049		mg/Kg	1	4/13/2019 7:08:52 PM	44253
Ethylbenzene	ND	0.049		mg/Kg	1	4/13/2019 7:08:52 PM	44253
Xylenes, Total	ND	0.098		mg/Kg	1	4/13/2019 7:08:52 PM	44253
Surr: 4-Bromofluorobenzene	92.2	80-120		%Rec	1	4/13/2019 7:08:52 PM	44253

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Analytical Report
 Lab Order 1904472
 Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia **Client Sample ID:** S-9 3'
Project: Devon Peridot 13 St 2H **Collection Date:** 4/4/2019 1:00:00 PM
Lab ID: 1904472-034 **Matrix:** SOIL **Received Date:** 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: smb
Chloride	160	60		mg/Kg	20	4/15/2019 1:11:19 PM	44331
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	4/11/2019 12:04:54 PM	44266
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/11/2019 12:04:54 PM	44266
Surr: DNOP	154	70-130	S	%Rec	1	4/11/2019 12:04:54 PM	44266
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/13/2019 8:19:10 PM	44253
Surr: BFB	94.3	73.8-119		%Rec	1	4/13/2019 8:19:10 PM	44253
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/13/2019 8:19:10 PM	44253
Toluene	ND	0.047		mg/Kg	1	4/13/2019 8:19:10 PM	44253
Ethylbenzene	ND	0.047		mg/Kg	1	4/13/2019 8:19:10 PM	44253
Xylenes, Total	ND	0.095		mg/Kg	1	4/13/2019 8:19:10 PM	44253
Surr: 4-Bromofluorobenzene	93.9	80-120		%Rec	1	4/13/2019 8:19:10 PM	44253

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia **Client Sample ID:** S-9 4'
Project: Devon Peridot 13 St 2H **Collection Date:** 4/4/2019 1:05:00 PM
Lab ID: 1904472-035 **Matrix:** SOIL **Received Date:** 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: smb
Chloride	90	60		mg/Kg	20	4/15/2019 1:23:43 PM	44331
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/11/2019 12:28:49 PM	44266
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/11/2019 12:28:49 PM	44266
Surr: DNOP	143	70-130	S	%Rec	1	4/11/2019 12:28:49 PM	44266
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	4/13/2019 8:42:40 PM	44253
Surr: BFB	92.6	73.8-119		%Rec	1	4/13/2019 8:42:40 PM	44253
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/13/2019 8:42:40 PM	44253
Toluene	ND	0.047		mg/Kg	1	4/13/2019 8:42:40 PM	44253
Ethylbenzene	ND	0.047		mg/Kg	1	4/13/2019 8:42:40 PM	44253
Xylenes, Total	ND	0.094		mg/Kg	1	4/13/2019 8:42:40 PM	44253
Surr: 4-Bromofluorobenzene	92.0	80-120		%Rec	1	4/13/2019 8:42:40 PM	44253

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Analytical Report

Lab Order 1904472

Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-10 0'

Project: Devon Peridot 13 St 2H

Collection Date: 4/4/2019 1:15:00 PM

Lab ID: 1904472-036

Matrix: SOIL

Received Date: 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: smb
Chloride	7500	300		mg/Kg	100	4/15/2019 4:54:42 PM	44331
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	430	9.7		mg/Kg	1	4/11/2019 12:53:02 PM	44266
Motor Oil Range Organics (MRO)	220	49		mg/Kg	1	4/11/2019 12:53:02 PM	44266
Surr: DNOP	124	70-130		%Rec	1	4/11/2019 12:53:02 PM	44266
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	4/13/2019 9:05:56 PM	44253
Surr: BFB	91.3	73.8-119		%Rec	1	4/13/2019 9:05:56 PM	44253
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/13/2019 9:05:56 PM	44253
Toluene	ND	0.048		mg/Kg	1	4/13/2019 9:05:56 PM	44253
Ethylbenzene	ND	0.048		mg/Kg	1	4/13/2019 9:05:56 PM	44253
Xylenes, Total	ND	0.097		mg/Kg	1	4/13/2019 9:05:56 PM	44253
Surr: 4-Bromofluorobenzene	90.3	80-120		%Rec	1	4/13/2019 9:05:56 PM	44253

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Analytical Report

Lab Order 1904472

Date Reported: 4/17/2019

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-11 0'

Project: Devon Peridot 13 St 2H

Collection Date: 4/4/2019 1:25:00 PM

Lab ID: 1904472-037

Matrix: SOIL

Received Date: 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: smb
Chloride	4600	150		mg/Kg	50	4/15/2019 5:07:06 PM	44331
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	220	9.9		mg/Kg	1	4/11/2019 1:41:10 PM	44266
Motor Oil Range Organics (MRO)	210	50		mg/Kg	1	4/11/2019 1:41:10 PM	44266
Surr: DNOP	131	70-130	S	%Rec	1	4/11/2019 1:41:10 PM	44266
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	13	4.8		mg/Kg	1	4/13/2019 9:29:22 PM	44253
Surr: BFB	188	73.8-119	S	%Rec	1	4/13/2019 9:29:22 PM	44253
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	4/13/2019 9:29:22 PM	44253
Toluene	0.11	0.048		mg/Kg	1	4/13/2019 9:29:22 PM	44253
Ethylbenzene	0.13	0.048		mg/Kg	1	4/13/2019 9:29:22 PM	44253
Xylenes, Total	0.60	0.096		mg/Kg	1	4/13/2019 9:29:22 PM	44253
Surr: 4-Bromofluorobenzene	103	80-120		%Rec	1	4/13/2019 9:29:22 PM	44253

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia **Client Sample ID:** S-11 1'
Project: Devon Peridot 13 St 2H **Collection Date:** 4/4/2019 1:30:00 PM
Lab ID: 1904472-038 **Matrix:** SOIL **Received Date:** 4/9/2019 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: smb
Chloride	750	60		mg/Kg	20	4/15/2019 2:00:57 PM	44331
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	16	9.9		mg/Kg	1	4/11/2019 2:29:20 PM	44266
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/11/2019 2:29:20 PM	44266
Surr: DNOP	114	70-130		%Rec	1	4/11/2019 2:29:20 PM	44266
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	4/13/2019 9:52:48 PM	44253
Surr: BFB	99.8	73.8-119		%Rec	1	4/13/2019 9:52:48 PM	44253
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	4/13/2019 9:52:48 PM	44253
Toluene	ND	0.050		mg/Kg	1	4/13/2019 9:52:48 PM	44253
Ethylbenzene	ND	0.050		mg/Kg	1	4/13/2019 9:52:48 PM	44253
Xylenes, Total	ND	0.10		mg/Kg	1	4/13/2019 9:52:48 PM	44253
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	4/13/2019 9:52:48 PM	44253

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

Qualifiers:	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
	RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
	W	Sample container temperature is out of limit as specified at testcode		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1904472

17-Apr-19

Client: Talon Artesia
Project: Devon Peridot 13 St 2H

Sample ID: MB-44301		SampType: mblk		TestCode: EPA Method 300.0: Anions						
Client ID: PBS		Batch ID: 44301		RunNo: 59095						
Prep Date: 4/11/2019		Analysis Date: 4/11/2019		SeqNo: 1989164			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-44301		SampType: lcs		TestCode: EPA Method 300.0: Anions						
Client ID: LCSS		Batch ID: 44301		RunNo: 59095						
Prep Date: 4/11/2019		Analysis Date: 4/11/2019		SeqNo: 1989165		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.4	90	110			

Sample ID: MB-44309	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 44309	RunNo: 59101								
Prep Date: 4/12/2019	Analysis Date: 4/12/2019	SeqNo: 1990468 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-44309	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 44309	RunNo: 59101								
Prep Date: 4/12/2019	Analysis Date: 4/12/2019	SeqNo: 1990469 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.1	90	110			

Sample ID: MB-44331	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 44331	RunNo: 59168								
Prep Date: 4/15/2019	Analysis Date: 4/15/2019	SeqNo: 1992101 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-44331		SampType: LCS		TestCode: EPA Method 300.0: Anions						
Client ID: LCSS		Batch ID: 44331		RunNo: 59168						
Prep Date: 4/15/2019		Analysis Date: 4/15/2019		SeqNo: 1992102			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.7	90	110			

Qualifiers:

E Value above quantitation range
 ND Not Detected at the Reporting Limit
 RL Reporting Detection Limit
 W Sample container temperature is out of limit as specified at testcode

H Holding times for preparation or analysis exceeded
 PQL Practical Quantitative Limit
 S % Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1904472

17-Apr-19

Client: Talon Artesia

Project: Devon Peridot 13 St 2H

Sample ID: MB-44276	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 44276	RunNo: 59065								
Prep Date: 4/10/2019	Analysis Date: 4/11/2019	SeqNo: 1988005 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		109	70	130			

Sample ID: LCS-44276	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 44276	RunNo: 59065								
Prep Date: 4/10/2019	Analysis Date: 4/11/2019	SeqNo: 1988539 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.7		5.000		94.5	70	130			

Sample ID: LCS-44265	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 44265	RunNo: 59065								
Prep Date: 4/10/2019	Analysis Date: 4/11/2019	SeqNo: 1988542 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	87.7	63.9	124			
Surr: DNOP	4.6		5.000		91.2	70	130			

Sample ID: MB-44265	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 44265	RunNo: 59065								
Prep Date: 4/10/2019	Analysis Date: 4/11/2019	SeqNo: 1988543 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	9.6		10.00		95.5	70	130			

Sample ID: MB-44266	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 44266	RunNo: 59043								
Prep Date: 4/10/2019	Analysis Date: 4/11/2019	SeqNo: 1989013 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		106	70	130			

Sample ID: LCS-44266	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 44266	RunNo: 59043								
Prep Date: 4/10/2019	Analysis Date: 4/11/2019	SeqNo: 1989014 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

E Value above quantitation range
 ND Not Detected at the Reporting Limit
 RL Reporting Detection Limit
 W Sample container temperature is out of limit as specified at testcode

H Holding times for preparation or analysis exceeded
 PQL Practical Quantitative Limit
 S % Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1904472

17-Apr-19

Client: Talon Artesia

Project: Devon Peridot 13 St 2H

Sample ID: LCS-44266	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 44266	RunNo: 59043								
Prep Date: 4/10/2019	Analysis Date: 4/11/2019	SeqNo: 1989014 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.2	63.9	124			
Surr: DNOP	4.7		5.000		94.0	70	130			

Sample ID: LCS-44241	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 44241	RunNo: 59076								
Prep Date: 4/9/2019	Analysis Date: 4/11/2019	SeqNo: 1989722 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	104	63.9	124			
Surr: DNOP	4.5		5.000		90.3	70	130			

Sample ID: MB-44241	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 44241	RunNo: 59076								
Prep Date: 4/9/2019	Analysis Date: 4/11/2019	SeqNo: 1989723 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	9.6		10.00		96.3	70	130			

Sample ID: MB-44344	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 44344	RunNo: 59163								
Prep Date: 4/15/2019	Analysis Date: 4/16/2019	SeqNo: 1992029 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		110	70	130			

Sample ID: LCS-44344	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 44344	RunNo: 59163								
Prep Date: 4/15/2019	Analysis Date: 4/16/2019	SeqNo: 1992030 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	99.6	63.9	124			
Surr: DNOP	5.1		5.000		101	70	130			

Qualifiers:

E Value above quantitation range
 ND Not Detected at the Reporting Limit
 RL Reporting Detection Limit
 W Sample container temperature is out of limit as specified at testcode

H Holding times for preparation or analysis exceeded
 PQL Practical Quantitative Limit
 S % Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1904472

17-Apr-19

Client: Talon Artesia
Project: Devon Peridot 13 St 2H

Sample ID: MB-44238	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 44238	RunNo: 59088								
Prep Date: 4/9/2019	Analysis Date: 4/11/2019	SeqNo: 1988836 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	860		1000		85.9	73.8	119			

Sample ID: LCS-44238	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 44238	RunNo: 59088								
Prep Date: 4/9/2019	Analysis Date: 4/11/2019	SeqNo: 1988837 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	82.1	80.1	123			
Surr: BFB	990		1000		98.9	73.8	119			

Sample ID: 1904472-009AMS	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S-3 0'	Batch ID: 44238	RunNo: 59110								
Prep Date: 4/9/2019	Analysis Date: 4/13/2019	SeqNo: 1990126 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.8	23.85	0	97.3	69.1	142			
Surr: BFB	990		954.2		104	73.8	119			

Sample ID: 1904472-009AMSD	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S-3 0'	Batch ID: 44238	RunNo: 59110								
Prep Date: 4/9/2019	Analysis Date: 4/13/2019	SeqNo: 1990127 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.9	24.58	0	95.0	69.1	142	0.632	20	
Surr: BFB	1100		983.3		107	73.8	119	0	0	

Sample ID: MB-44253	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 44253	RunNo: 59130								
Prep Date: 4/10/2019	Analysis Date: 4/13/2019	SeqNo: 1990394 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	910		1000		90.5	73.8	119			

Sample ID: LCS-44253	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 44253	RunNo: 59130								
Prep Date: 4/10/2019	Analysis Date: 4/13/2019	SeqNo: 1990395 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	PQL	Practical Quantitative Limit
RL	Reporting Detection Limit	S	% Recovery outside of range due to dilution or matrix
W	Sample container temperature is out of limit as specified at testcode		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1904472

17-Apr-19

Client: Talon Artesia
Project: Devon Peridot 13 St 2H

Sample ID: LCS-44253	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 44253	RunNo: 59130								
Prep Date: 4/10/2019	Analysis Date: 4/13/2019	SeqNo: 1990395 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	104	80.1	123			
Surr: BFB	1000		1000		103	73.8	119			

Sample ID: 1904472-024AMS	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S-7 1'	Batch ID: 44253	RunNo: 59130								
Prep Date: 4/10/2019	Analysis Date: 4/13/2019	SeqNo: 1990397 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	24.75	0	98.0	69.1	142			
Surr: BFB	1000		990.1		103	73.8	119			

Sample ID: 1904472-024AMSD	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: S-7 1'	Batch ID: 44253	RunNo: 59130								
Prep Date: 4/10/2019	Analysis Date: 4/13/2019	SeqNo: 1990398 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.9	24.34	0	97.5	69.1	142	2.16	20	
Surr: BFB	1000		973.7		104	73.8	119	0	0	

Sample ID: MB-44270	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 44270	RunNo: 59130								
Prep Date: 4/10/2019	Analysis Date: 4/13/2019	SeqNo: 1990417 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	880		1000		87.7	73.8	119			

Sample ID: LCS-44270	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 44270	RunNo: 59130								
Prep Date: 4/10/2019	Analysis Date: 4/14/2019	SeqNo: 1990418 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	980		1000		97.7	73.8	119			

Qualifiers:

E Value above quantitation range
 ND Not Detected at the Reporting Limit
 RL Reporting Detection Limit
 W Sample container temperature is out of limit as specified at testcode

H Holding times for preparation or analysis exceeded
 PQL Practical Quantitative Limit
 S % Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1904472

17-Apr-19

Client: Talon Artesia

Project: Devon Peridot 13 St 2H

Sample ID: MB-44238	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 44238	RunNo: 59110								
Prep Date: 4/9/2019	Analysis Date: 4/13/2019	SeqNo: 1990164 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	0.92		1.000		91.9	80	120			

Sample ID: LCS-44238	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 44238	RunNo: 59110								
Prep Date: 4/9/2019	Analysis Date: 4/13/2019	SeqNo: 1990165 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.4	80	120			
Toluene	0.98	0.050	1.000	0	98.1	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.4	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.5	80	120			
Surr: 4-Bromofluorobenzene	0.94		1.000		94.2	80	120			

Sample ID: 1904472-010AMS	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-3 1'	Batch ID: 44238	RunNo: 59110								
Prep Date: 4/9/2019	Analysis Date: 4/13/2019	SeqNo: 1990168 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.024	0.9728	0	87.6	63.9	127			
Toluene	0.90	0.049	0.9728	0.01495	90.8	69.9	131			
Ethylbenzene	0.90	0.049	0.9728	0.01012	91.5	71	132			
Xylenes, Total	2.7	0.097	2.918	0.02470	92.5	71.8	131			
Surr: 4-Bromofluorobenzene	0.89		0.9728		92.0	80	120			

Sample ID: 1904472-010AMSD	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: S-3 1'	Batch ID: 44238	RunNo: 59110								
Prep Date: 4/9/2019	Analysis Date: 4/13/2019	SeqNo: 1990169 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.82	0.025	0.9970	0	82.7	63.9	127	3.33	20	
Toluene	0.89	0.050	0.9970	0.01495	88.0	69.9	131	0.661	20	
Ethylbenzene	0.90	0.050	0.9970	0.01012	88.8	71	132	0.511	20	
Xylenes, Total	2.7	0.10	2.991	0.02470	89.5	71.8	131	0.812	20	
Surr: 4-Bromofluorobenzene	0.92		0.9970		92.2	80	120	0	0	

Qualifiers:

E Value above quantitation range
 ND Not Detected at the Reporting Limit
 RL Reporting Detection Limit
 W Sample container temperature is out of limit as specified at testcode

H Holding times for preparation or analysis exceeded
 PQL Practical Quantitative Limit
 S % Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1904472

17-Apr-19

Client: Talon Artesia

Project: Devon Peridot 13 St 2H

Sample ID: MB-44253	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 44253	RunNo: 59130								
Prep Date: 4/10/2019	Analysis Date: 4/13/2019	SeqNo: 1990440 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		90.4	80	120			

Sample ID: LCS-44253	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 44253	RunNo: 59130								
Prep Date: 4/10/2019	Analysis Date: 4/13/2019	SeqNo: 1990441 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	92.8	80	120			
Toluene	0.97	0.050	1.000	0	97.1	80	120			
Ethylbenzene	0.96	0.050	1.000	0	96.5	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.6	80	120			
Surr: 4-Bromofluorobenzene	0.96		1.000		95.5	80	120			

Sample ID: MB-44270	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 44270	RunNo: 59130								
Prep Date: 4/10/2019	Analysis Date: 4/13/2019	SeqNo: 1990477 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.89		1.000		88.6	80	120			

Sample ID: LCS-44270	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 44270	RunNo: 59130								
Prep Date: 4/10/2019	Analysis Date: 4/14/2019	SeqNo: 1990499 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.91		1.000		90.7	80	120			

Qualifiers:

E Value above quantitation range
 ND Not Detected at the Reporting Limit
 RL Reporting Detection Limit
 W Sample container temperature is out of limit as specified at testcode

H Holding times for preparation or analysis exceeded
 PQL Practical Quantitative Limit
 S % Recovery outside of range due to dilution or matrix

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1904472

17-Apr-19

Client: Talon Artesia

Project: Devon Peridot 13 St 2H

Sample ID: lcs-44226	SampType: LCS	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: LCSS	Batch ID: 44226	RunNo: 59108								
Prep Date: 4/9/2019	Analysis Date: 4/11/2019	SeqNo: 1989810 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.80	0.025	1.000	0	80.2	70	130			
Toluene	0.97	0.050	1.000	0	96.9	70	130			
Ethylbenzene	0.98	0.050	1.000	0	97.9	70	130			
Xylenes, Total	2.9	0.10	3.000	0	98.2	70	130			
Surr: 1,2-Dichloroethane-d4	0.42		0.5000		83.3	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		97.8	70	130			
Surr: Dibromofluoromethane	0.45		0.5000		89.9	70	130			
Surr: Toluene-d8	0.46		0.5000		92.9	70	130			

Sample ID: mb-44226	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: 44226	RunNo: 59108								
Prep Date: 4/9/2019	Analysis Date: 4/11/2019	SeqNo: 1989811 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.42		0.5000		83.9	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		97.9	70	130			
Surr: Dibromofluoromethane	0.45		0.5000		90.5	70	130			
Surr: Toluene-d8	0.47		0.5000		94.7	70	130			

Qualifiers:

E Value above quantitation range
 ND Not Detected at the Reporting Limit
 RL Reporting Detection Limit
 W Sample container temperature is out of limit as specified at testcode

H Holding times for preparation or analysis exceeded
 PQL Practical Quantitative Limit
 S % Recovery outside of range due to dilution or matrix

Page 46 of 47

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1904472
17-Apr-19

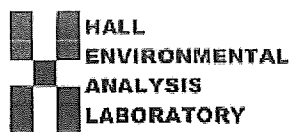
Client: Talon Artesia
Project: Devon Peridot 13 St 2H

Sample ID: lcs-44226	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: LCSS	Batch ID: 44226	RunNo: 59108								
Prep Date: 4/9/2019	Analysis Date: 4/11/2019	SeqNo: 1989690			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	101	70	130			
Surr: BFB	520		500.0		103	70	130			

Sample ID: mb-44226	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: PBS	Batch ID: 44226	RunNo: 59108								
Prep Date: 4/9/2019	Analysis Date: 4/11/2019	SeqNo: 1989692			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	500		500.0		100	70	130			

Qualifiers:

- | | | | |
|----|---|-----|---|
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit | PQL | Practical Quantitative Limit |
| RL | Reporting Detection Limit | S | % Recovery outside of range due to dilution or matrix |
| W | Sample container temperature is out of limit as specified at testcode | | |



Hall Environmental Analysis Laboratory
 1901 Hawkins NE
 Albuquerque, NM 87109
 TEL: 505-345-3975 FAX: 505-345-4107
 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: TALON ARTESIA

Work Order Number: 1904472

ReptNo: 1

Received By: Desiree Dominguez

4/9/2019 9:15:00 AM

Completed By: Leah Baca

4/9/2019 9:20:39 AM

Reviewed By:

YG 4/9/19
 Labeled by DAD 4/9/19

Chain of Custody

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

Log In

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

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by DAD 4/9/19

Special Handling (if applicable)

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

Person Notified:

Date

By Whom:

Via:

☐ eMail

☐ Phone

☐ Fax

☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.4	Good	Yes			
2	2.2	Good	Yes			

Chain-of-Custody Record

Client: Talona / LPEMailing Address: 408 W Texas AveArtesia, NM 87210Phone #: 575-246-8768

email or Fax#:

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation

☐ NELAP ☐ Other☐ EDD (Type)Turn-Around Time: 5 days☒ Standard ☒ Rush

Project Name:

Devon Peridot 13 St 2H

Project #:

700794, 282, 01

Project Manager:

David AdkinsSampler: Brandon SinclairOn Ice: ☒ Yes ☐ NoSample Temperature: 5.4°C, 2.2°C

Date

Time

Matrix

Sample Request ID

Container Type and #

Preservative Type

HEAL No.

1904472

BTEX + MTBE + TMBs (8021)

BTEX + MTBE + TPH (Gas only)

TPH 8016B (GRO / DRO / MICRO)

TPH (Method 118.1)

EDB (Method 504.1)

PAHs (8310 or 8270 SIMS)

RCRA 9 Metals

Anions (F, Cl, NO₃, NO₂, PO₄, SO₄)

8081 Pesticides / 8082 PCBs

8260B (VOA)

8270 (Semi-VOA)

Total Chlorides

Air Bubbles (Y or N)

Date: 4/8/19Time: 0830Relinquished by: David Sinclair

Re-inquired by:

Date: 4/8/19Time: 1900

Received by:

Date: 4/8/19Time: 0830

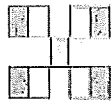
Received by:

Date: 4/9/19Time: 9:15

Remarks:

8270

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This service is subject to the availability of this possibility. Any sub-contracted data will be clearly marked on the analytical report.

HALL ENVIRONMENTAL
ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel: 505-345-3975 Fax: 505-345-4107

Analysis Request

Chain-of-Custody Record

Client: Talon / LPE

Turn-Around Time: 5 day Rush

☒ Standard ☒ Rush

Project Name: Devon Peridot 13 St 2H

Mailing Address: 408 W Texas Ave

Project #: 700794, 282, 01

Artesia, NM 88210

Phone #: 575-746-8768

Project Manager: David Adkins

email or Fax#: _____

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

☒ Standard ☐ Other _____

Accreditation ☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Sample Temperature: 5.4°C, 2.2°C

Container Type and # _____

Preservative Type _____

HEAL No. 1904472

On Ice: ☒ Yes ☐ No

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.
4/4/19	1125	Soil	5-7 2'	402 jar	ice	-025
	1140		5-8 0'			-076
	1145		5-8 1'			-072
	1150		5-8 2'			-078
	1155		5-8 3'			-029
	1200		5-8 4'			-030
	1245		5-9 0'			-031
	1250		5-9 1'			-032
	1255		5-9 2'			-033
	1300		5-9 3'			-034
	1305		5-9 4'			-035
	1315		5-10 0'			-036

Date: 4/8/19 Time: 0830

Date: 4/8/19 Time: 1900

Relinquished by: Yan Su

Relinquished by: 2/2/19

Received by: ASH

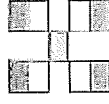
Received by: BB Courier

Date: 4/9/19 Time: 9:15

Remarks:

P-304Y

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



**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 + TMB's (8021)	<input type="checkbox"/> TPH 8015B (GRO / DRO / MRO)	<input type="checkbox"/> TPH (Method 418.1)	<input type="checkbox"/> EDB (Method 504.1)	<input type="checkbox"/> PAH's (8310 or 8270 SIMS)	<input type="checkbox"/> RCRA 8 Metals	<input type="checkbox"/> Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)	<input type="checkbox"/> 8081 Pesticides / 8082 PCB's	<input type="checkbox"/> 8260B (VOA)	<input type="checkbox"/> 8270 (Semi-VOA)	<input checked="" type="checkbox"/> Total Chlorides	<input type="checkbox"/> Air Bubbles (Y or N)
--	--	---	---	--	--	---	---	--------------------------------------	--	---	---

Chain-of-Custody Record

Client:

Talon / LPE

Mailing Address:

408 W Texas Ave

Artesia, NM 88210

Phone #: 575-746-8768

email or Fax#:

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

Accreditation

☐ NELAP ☐ Other☐ EDD (Type)

Turn-Around Time:

5 day Rush

☒ Standard ☒ Rush

Project Name:

Devon Peridot 13 St 2 H

Project #:

700794.282.01

Project Manager:

David Adkins

Sampler: Brandon Sinclair

On Ice: ☒ Yes ☐ No

Sample Temperature: 5.4°C, 2.3°C

Date

Time

Matrix

Sample Request ID

Container Type and #

Preservative Type

HEAL No.

4/4/19 1325 soil 5-11 0'

4/4/19 1330 soil 5-11 1'

402 jar ice

402 jar ice

1904472

-032

-038

Analysis Request

BTEX + MTBE + TMB's (8021)

BTEX + MTBE + TPH (Gas only)

IPH 8015B (GRO / DRO / MRO)

TPH (Method 418.1)

EDB (Method 504.1)

PAH's (8310 or 8270 SIMS)

RCRA 8 Metals

Anions (F, Cl, NO₃, NO₂, PO₄, SO₄)

8081 Pesticides / 8082 PCB's

8260B (VOA)

8270 (Seml-VOA)

Total Chlorides

Air Bubbles (Y or N)

Date:

Time:

Relinquished by:

4/8/19 0830

Date:

Time:

Relinquished by:

4/8/19 1900

Received by:

4/8/19 0830

Received by:

4/8/19 9:15

Remarks:

P. 4 of 4

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



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

August 27, 2019

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: PERIDOT 13 STATE 2H

Enclosed are the results of analyses for samples received by the laboratory on 08/26/19 13:15.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	08/26/2019	Sampling Date:	08/22/2019
Reported:	08/27/2019	Sampling Type:	Soil
Project Name:	PERIDOT 13 STATE 2H	Sampling Condition:	Cool & Intact
Project Number:	700794.282.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: NORTH SIDEWALL 1' (H902931-01)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2019	ND	1.69	84.7	2.00	0.243	
Toluene*	<0.050	0.050	08/27/2019	ND	1.90	94.9	2.00	0.313	
Ethylbenzene*	<0.050	0.050	08/27/2019	ND	2.03	101	2.00	1.70	
Total Xylenes*	<0.150	0.150	08/27/2019	ND	6.22	104	6.00	2.17	
Total BTX	<0.300	0.300	08/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 89.3 % 73.3-129

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2019	ND	207	103	200	2.02	
DRO >C10-C28*	208	10.0	08/27/2019	ND	203	101	200	2.56	
EXT DRO >C28-C36	45.6	10.0	08/27/2019	ND					

Surrogate: 1-Chlorooctane 110 % 41-142

Surrogate: 1-Chlorooctadecane 139 % 37.6-147

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2019
Reported: 08/27/2019
Project Name: PERIDOT 13 STATE 2H
Project Number: 700794.282.01
Project Location: DEVON ENERGY - EDDY CO NM

Sampling Date: 08/22/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: NORTH SIDEWALL 2' (H902931-02)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2019	ND	1.69	84.7	2.00	0.243	
Toluene*	<0.050	0.050	08/27/2019	ND	1.90	94.9	2.00	0.313	
Ethylbenzene*	<0.050	0.050	08/27/2019	ND	2.03	101	2.00	1.70	
Total Xylenes*	<0.150	0.150	08/27/2019	ND	6.22	104	6.00	2.17	
Total BTX	<0.300	0.300	08/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 91.4 % 73.3-129

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2019	ND	207	103	200	2.02	
DRO >C10-C28*	<10.0	10.0	08/27/2019	ND	203	101	200	2.56	
EXT DRO >C28-C36	<10.0	10.0	08/27/2019	ND					

Surrogate: 1-Chlorooctane 116 % 41-142

Surrogate: 1-Chlorooctadecane 125 % 37.6-147

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Analytical Results For:

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

Received:	08/26/2019	Sampling Date:	08/22/2019
Reported:	08/27/2019	Sampling Type:	Soil
Project Name:	PERIDOT 13 STATE 2H	Sampling Condition:	Cool & Intact
Project Number:	700794.282.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON ENERGY - EDDY CO NM		

Sample ID: SOUTH SIDEWALL 1' (H902931-03)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2019	ND	1.69	84.7	2.00	0.243	
Toluene*	<0.050	0.050	08/27/2019	ND	1.90	94.9	2.00	0.313	
Ethylbenzene*	<0.050	0.050	08/27/2019	ND	2.03	101	2.00	1.70	
Total Xylenes*	<0.150	0.150	08/27/2019	ND	6.22	104	6.00	2.17	
Total BTX	<0.300	0.300	08/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 93.7 % 73.3-129

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2019	ND	207	103	200	2.02	
DRO >C10-C28*	<10.0	10.0	08/27/2019	ND	203	101	200	2.56	
EXT DRO >C28-C36	<10.0	10.0	08/27/2019	ND					

Surrogate: 1-Chlorooctane 109 % 41-142

Surrogate: 1-Chlorooctadecane 115 % 37.6-147

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2019
Reported: 08/27/2019
Project Name: PERIDOT 13 STATE 2H
Project Number: 700794.282.01
Project Location: DEVON ENERGY - EDDY CO NM

Sampling Date: 08/22/2019
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: EAST SIDEWALL 2' (H902931-04)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2019	ND	1.69	84.7	2.00	0.243	
Toluene*	<0.050	0.050	08/27/2019	ND	1.90	94.9	2.00	0.313	
Ethylbenzene*	<0.050	0.050	08/27/2019	ND	2.03	101	2.00	1.70	
Total Xylenes*	<0.150	0.150	08/27/2019	ND	6.22	104	6.00	2.17	
Total BTX	<0.300	0.300	08/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 89.2 % 73.3-129

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2019	ND	207	103	200	2.02	
DRO >C10-C28*	<10.0	10.0	08/27/2019	ND	203	101	200	2.56	
EXT DRO >C28-C36	<10.0	10.0	08/27/2019	ND					

Surrogate: 1-Chlorooctane 111 % 41-142

Surrogate: 1-Chlorooctadecane 118 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2019
 Reported: 08/27/2019
 Project Name: PERIDOT 13 STATE 2H
 Project Number: 700794.282.01
 Project Location: DEVON ENERGY - EDDY CO NM

Sampling Date: 08/22/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WEST SIDEWALL 1' (H902931-05)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2019	ND	1.69	84.7	2.00	0.243	
Toluene*	<0.050	0.050	08/27/2019	ND	1.90	94.9	2.00	0.313	
Ethylbenzene*	<0.050	0.050	08/27/2019	ND	2.03	101	2.00	1.70	
Total Xylenes*	<0.150	0.150	08/27/2019	ND	6.22	104	6.00	2.17	
Total BTX	<0.300	0.300	08/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 92.0 % 73.3-129

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2019	ND	207	103	200	2.02	
DRO >C10-C28*	54.7	10.0	08/27/2019	ND	203	101	200	2.56	
EXT DRO >C28-C36	13.4	10.0	08/27/2019	ND					

Surrogate: 1-Chlorooctane 113 % 41-142

Surrogate: 1-Chlorooctadecane 127 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/26/2019
 Reported: 08/27/2019
 Project Name: PERIDOT 13 STATE 2H
 Project Number: 700794.282.01
 Project Location: DEVON ENERGY - EDDY CO NM

Sampling Date: 08/22/2019
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WEST SIDEWALL 2' (H902931-06)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/27/2019	ND	1.69	84.7	2.00	0.243	
Toluene*	<0.050	0.050	08/27/2019	ND	1.90	94.9	2.00	0.313	
Ethylbenzene*	<0.050	0.050	08/27/2019	ND	2.03	101	2.00	1.70	
Total Xylenes*	<0.150	0.150	08/27/2019	ND	6.22	104	6.00	2.17	
Total BTEX	<0.300	0.300	08/27/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 91.1 % 73.3-129

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2019	ND	207	103	200	2.02	
DRO >C10-C28*	<10.0	10.0	08/27/2019	ND	203	101	200	2.56	
EXT DRO >C28-C36	<10.0	10.0	08/27/2019	ND					

Surrogate: 1-Chlorooctane 116 % 41-142

Surrogate: 1-Chlorooctadecane 125 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

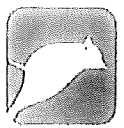
Cardinal Laboratories

*=Accredited Analyte

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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon LPE		P.O. #: 700794.282.01	
Project Manager: David Adkins		Company: Talon LPE	
Address: 408 W Texas Ave		Attn: David Adkins	
City: Artesia		Address:	
State: NM Zip: 88210		City:	
Phone #: 575-746-8768 Fax #:		State: Zip:	
Project #: 700794.282.01 Project Owner: Davon		Phone #:	
Project Name: Peridot 13 St 2H		Fax #:	
Project Location: Eddy County		ANALYSIS REQUEST	
Sampler Name: Michael Collier			
FOR LAB USE ONLY			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS
		GROUNDWATER	
		WASTEWATER	
		SOIL	
		OIL	
		SLUDGE	
		OTHER:	
		ACID/BASE:	
		ICE / COOL	
		OTHER:	
		DATE	TIME
H962931	North Sidewall 1'	8/22/19	1400
	2 North Sidewall 2'		1405
	3 South Sidewall 1'		1410
	4 East Sidewall 2'		1415
	5 West Sidewall 1'		1420
	6 West Sidewall 2'		1425
PLEASE NOTE: Liability and Damages: Cardinal's liability and damages are limited to the amount paid by the client for the analysis. All claims including those for negligence and any other claims whatsoever shall be deemed waived unless made in writing and accepted by Cardinal within 90 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, loss of use, or loss of profits, income, or data, or any other damages, whether direct or indirect, arising out of or related to the performance of services provided by Cardinal, regardless of whether or not such claim is based upon any of the above stated types of damages or otherwise.		REMARKS:	
Relinquished By:	Date: 8/26/19	Received By:	Brando Olathe
Relinquished By:	Time: 12:00	Received By:	Brando Olathe
Delivered By: (Circle One)	Date: 8-26-19	Time: 13:15	Brando Olathe
Sampler - I/Ps - Bus - Other:	3.88	#47	Sample Condition
	Estimated 3.32	Yes <input type="checkbox"/> No <input type="checkbox"/>	Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>
		Checked By: (Initials)	7.5

Rush