<u>District I</u> 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 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	NAB1433855615
District RP	2RP-2642
Facility ID	30-015-25901
Application ID	

Release Notification

			Resp	ponsi	ble Party	y		
Responsible Party: Devon Energy				OGRID: 3	OGRID: 328947			
Contact Name: Lupe Carrasco				Contact Telephone: 580-748-0765				
Contact ema	il: Lupe .Caı	rrasco@dvn.com			Incident # (assigned by OCD): NAB1914957336			
Contact mail	ing address:	PO Box 250 Arte	sia, NM 88211		•			
			Location	of R	Release So	ource		
Latitude 32.7	5989	Longitude -	-103.90954 (NAD 8	83 in deci	imal degrees to	5 decimal places)		
Site Name: S	and 7 Federa	al 1			Site Type:	Oil Production		
Date Release	Discovered:	: 12/03/2014			API# (if app	plicable) 30-015-25901		
Unit Letter	Section	Township	Range		County			
K	07	18S	31E	Edd				
	Materia		Nature and	d Vo	lume of I	c justification for the volumes provided below)		
Crude Oil		Volume Release				Volume Recovered (bbls)		
	Water	Volume Release				Volume Recovered (bbls) 2		
		Is the concentrate produced water	tion of dissolved o >10,000 mg/l?	chloride	e in the	he Yes No		
Condensa	ite	Volume Release	ed (bbls)			Volume Recovered (bbls)		
Natural Gas Volume Released (Mcf)				Volume Recovered (Mcf)				
Other (describe) Volume/Weight Released (provide units))	Volume/Weight Recovered (provide units)				
union was lea	erator was in aking and ha tified the ass	d released approxisistant production	imately 7 bbls of	oil into	the pasture a	ump at the Sand 7 Fed1. He discovered that the hammer area. The lease operator shut down the recirculation co's trucking was dispatched and recovered		

Page 2 of 104

Incident ID	NAB1433855615
District RP	2RP-2642
Facility ID	30-015-25901
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the respo	nsible party consider this a major release?
19.15.29.7(A) NMAC?	The volume of felease was in excess of 50	2015.
⊠ Yes □ No		
Immediate notice was giv		nom? When and by what means (phone, email, etc)? oduction foreman. Notice was provided to Mike Bratcher with the
	Initial R	esponse
The responsible p	party must undertake the following actions immediate	ly unless they could create a safety hazard that would result in injury
The source of the rele	ease has been stopped.	
The impacted area ha	as been secured to protect human health and	the environment.
Released materials ha	ave been contained via the use of berms or	likes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed an	d managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain	why:
Dom 10 15 20 9 R (A) NM	IAC the responsible party may commence t	emediation 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 blease attach all information needed for closure evaluation.
regulations all operators are	required to report and/or file certain release not	best of my knowledge and understand that pursuant to OCD rules and fications and perform corrective actions for releases which may endanger
		OCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In
		responsibility for compliance with any other federal, state, or local laws
	cca Pons Title: Project Manager	
Signature: Rebecca P	Digitally signed by Reduces Ports ONS Oscillatory Osci	Date:12/31/2020
email: Rpons@tal	lonlpe.com	Telephone: <u>575-441-0980</u>
OCD Only		
Received by:		Date:

Page 3 of 104

Incident ID	NAB1433855615
District RP	2RP-2642
Facility ID	30-015-25901
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>80</u> (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ 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)?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ 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?	☐ Yes ⊠ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ⊠ No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	rtical extents of soil
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 well 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 	ls.

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.

Received by OCD: 1/8/2021 10:36:07 AM Form C-141 State of New Mexico Oil Conservation Division Page 4

Received by:

Page 4 of 1	<i>04</i>
NAB1433855615	

Incident ID	NAB1433855615
District RP	2RP-2642
Facility ID	30-015-25901
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. Title: Senior Project Manager Rebecca Pons Printed Name: polity signed by Profesce a Priori confidence and Priori, in-Plaining F.C. confidence and Priori, in-Plaining F.C. confidence and Priori in-Plaining F.C. confidence and Prior Rebecca Pons Signature: Rpons@talonlpe.com Telephone: 575-441-0980 email: **OCD Only**

Date:

Page 5 of 104

Incident ID	NAB1433855615
District RP	2RP-2642
Facility ID	30-015-25901
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 it	tems 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	C District office must be notified 2 days prior to final sampling)						
Description of remediation activities							
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rendaman health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the confaccordance with 19.15.29.13 NMAC including notification to the Operinted Name: Lupe Carrasco	tions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in CD when reclamation and re-vegetation are complete. Title:Environmental Professional						
Signature: Lups Carrasco	Date:12/31/2020						
email: Lupe.Carrasco@dvn.com	Telephone: 575748-0765						
OCD Only							
Received by:	Date:						
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.						
Closure Approved by: Wall	Date: 1/24/2023						
Printed Name: Brittany Hall	Title: Environmental Specialist						







talonlpe.com • 866.742.0742



Remediation and Closure Report

Sand 7 Fed 1 Eddy County, New Mexico 30-015-25901 Incident #Nab1433855615

Prepared For:

Devon Energy Production 6488 Seven Rivers Hwy Artesia, NM 88220

Prepared By:

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

December 29, 2020

Mike Bratcher **NMOCD** 811 S. 1st Street Artesia, NM 88210 Jim Amos **BLM**620 E. Greene St.
Carlsbad. NM 88220

Subject: Remediation and Closure Report

Sand 7 Fed1 Eddy County, NM API 30-015-25901

Incident #Nab1433855615

Dear Mr. Bratcher,

Devon Energy has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above-referenced location. The incident description, soil sampling results, remedial actions, and closure request is presented herein.

Site Information

The Sand 7 Fed 1 is located approximately thirty eight (38) miles southeast of Artesia, New Mexico. The legal location for this release is Unit Letter K, Section 7, Township 18 South and Range 31 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.75989 North and -103.90954 West. A Site Map is presented in Appendix I.

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services, the soil in this area is made up of Kermit-Berino fine sands with 0 to 3 percent slopes. The reference soil data is presented in Appendix II. 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 mixed alluvium and.or eolian sands. Drainage courses in this area are very well drained.

Ground Water and Site Characterization

The New Mexico Office of the State Engineer Database indicates the nearest reported depth to groundwater is 80-feet below ground surface (BGS). The referenced groundwater data has drill data that is dated 03/19/2013. See Appendix II for the referenced groundwater depth. This site is not situated in a 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	80 Feet/BGS
□Yes ⊠No	Within 300 feet of any continuously flowing wat any other significant watercourse	ercourse or
□Yes ⊠No	Within 200 feet of any lakebed, sinkhole or a pl	aya lake
□Yes ⊠No	Within 300 feet from an occupied permanent reschool, hospital, institution or church	esidence,
□Yes ⊠No	Within 500 feet of a spring or a private, domest well used by less than five households for dom watering purposes	
□Yes ⊠No	Within 1000 feet of any freshwater well or sprin	g
□Yes ⊠No	Within incorporated municipal boundaries or wimunicipal freshwater well field covered under a ordinance adopted pursuant to Section 3-2703	municipal
□Yes ⊠No	Within 300 feet of a wetland	
□Yes ⊠No	Within the area overlying a subsurface mine	
□Yes ⊠No	Within an unstable area	
□Yes ⊠No	Within a 100-year floodplain	

Incident Description

On December 03, 2014 the hammer union on the recirculation pump malfunctioned, causing a release of approximately 7 bbls of mixed fluids. The well was immediately shut-in and the pump replaced. A vac truck was dispatched to the location and recovered 2 bbls of fluid. The affected area was on location surrounding the transfer pump with a flow path that traversed north along the lease road and west into the pasture area. The site map is presented in Appendix I.

Site Assessment

On December 05, 2014, Talon mobilized personnel to the site and conducted the initial site assessment. Soil samples were grabbed from the footprint of the spill area in order to construct a work plan. Grab soil samples were collected utilizing a hand auger to depths of 2' bgs. (below ground surface). The C-141 can be referenced in Appendix III.

On January 09, 2015, Talon LPE submitted a work plan to the NMOCD for review. The work plan was approved on January 13, 2015, and can be referenced in Appendix IV.

On September 29, 2020, Talon personnel mobilized to the Sand 7 Fed 1 location in order to conduct a follow-up assessment and site remediation. The impacted area was scraped to depths of .05' to 1' bgs. Sample positions were situated in the same areas as had been previously sampled. All soil samples were properly packaged, preserved, and transported to Cardinal Laboratories via chain of custody for analysis of Total Chlorides (Method SM4500CL-B), TPH (EPA Method 8015M), and BTEX (EPA Method 8021B). Sample locations are shown on the attached site plan and the results of our sampling event are presented in the following data table. See Appendix VI for the complete report of laboratory results.

11-4-2020 Soil Sample Laboratory Results

Sample ID	Sample Date	Depth ft.(BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
NMOCD Table 1 Closure Criteria 19.15.29 NMAC *		50 mg/kg	10 mg/kg	DRO + GRO combined = 100 mg/kg			5,000 mg/kg	1,000 mg/kg	
S-1	9/29/2020	0-1' R	ND	ND	ND	240	115	355	80
S-2	9/29/2020	0-1'	ND	ND	ND	ND	ND	0	32
3-2	9/29/2020	2' R	ND	ND	ND	ND	ND	0	16
S-3	9/29/2020	0-1'	ND	ND	ND	95.9	83.8	179.7	80
3-3	9/29/2020	1.5' R	ND	ND	ND	23.7	14.5	38.2	32
S-4	9/29/2020	0-1' R	ND	ND	ND	ND	ND	0	112
S-5	9/29/2020	0-1' R	ND	ND	ND	ND	ND	0	16
S-6	9/29/2020	0' R	ND	ND	ND	38.3	23.2	61.5	ND
S-7	9/29/2020	0-1'R	ND	ND	ND	ND	ND	0	ND
BG-1	9/29/2020	0'	ND	ND	ND	ND	ND	0	11600
BG-2	9/29/2020	0'	ND	ND	ND	ND	ND	0	ND
BG-3	9/29/2020	0'	ND	ND	ND	ND	ND	0	ND
BG-4	9/29/2020	0'	ND	ND	ND	45.8	33.3	79.1	48

ND-Analyte Not Detected *Closure criteria per approved work plan.

On November 13, 2020, Talon personnel mobilized to the location in order to hand excavate the areas around S1 and S-3. Composite soil samples were retrieved, properly contained, preserved, and transported to Hall Laboratories for analyses. The results area tabled below, and complete laboratory reports are appended in Appendix VI.

11-20-2020 Soil Sample Laboratory Results

Sample ID	Sample Date	Depth ft.(BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
	NMOCD Table 1 Closure Criteria 19.15.29 NMAC *			10 mg/kg		F GRO ined = ng/kg		5,000 mg/kg	1,000 mg/kg
S-1	11/13/2020	.5′	ND	ND	ND	340	860	1200	99
S-3	11/13/2020	.5′	ND	ND	ND	160	660	820	250
BG-1	11/13/2020	.5′	ND	ND	ND	210	300	410	1000

ND-Analyte Not Detected

On December 08, 2020, Talon equipment and personnel returned to the location in oder to advance the southern sidewall of the spill footprint at sample position BG-1. This area was excavated to 1' bgs. and the sidewall advanced to the extent that field titrations for chlorides were below the Recommended Remediation Action Levels (RRAL). A composite soil sample was taken, properly contained, preserved, and transported to Hall Laboratories for analysis. The results are tabled below. A full laboratory report can be viewed in Appendix VI.

Sample ID	Sample Date	Depth ft.(BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
	NMOCD Table 1 Closure Criteria 19.15.29 NMAC *		50 mg/kg	10 mg/kg	comb	F GRO ined = ng/kg		5,000 mg/kg	1,000 mg/kg
SSW-BG-1	12/08/2020	1'	ND	ND	ND	ND	ND	-	240

ND-Analyte Not Detected

Remedial Actions

- Site was remediatied in accordance with approved work plan.
- Confirmation soil samples were collected and verified analyte levels were below NMOCD and BLM remediation guidelines.
- Fresh caliche, similar in grade was used to backfill the location. The pad area was packed and restored to surrounding grade as can be seen in photo documentation Appendix V.

Closure

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

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

Respectfully submitted,

TALON/LPE

Rebecca Digitally signed by Rebecca Pons DN: cn=Rebecca Pons CPC and CPC Cn=Rebecca Pons, o=Talon CPC, ou=Artesia, enable-ponsipationipe.com, c=US Date: 2021.01.08 09:29:11-07:00'

Rebecca Pons Project Manager David J. Digitally signed by David J. Adkin.
Disc. on-David J. Adkins. on-Talent
Dec. on-Regional Manager.
Dec. on-Regiona

David J. Adkins Regional Manager

Attachments:

Appendix I Site Maps, Karst Map, TOPO Map Appendix II Groundwater Data, Soil Survey

Appendix III Initial and Final C-141's
Appendix IV Approved Work Plan
Appendix V Photo Documentation
Appendix VI Laboratory Analytical Data



APPENDIX I

SITE MAPS









become superseded by new data over time. HAZARD AREAS OTHER AREAS OF FLOOD HAZARD OTHER AREAS MAP PANELS SPECIAL FLOOD Data refreshed April 2020 National Flood Hazard Layer FIRMette AREA OF MINIMAL FLOOD HAZARD 35015 00425D eff. 6/4/2010

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT Without Base Flood Elevation (BFE) AM 2018 A. V. A999

Cone A. V. ARS
With BFE or Depth Zone AE, AO, AH, VE, AR, OC
Regulatory Floodway

0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drain areas of less than one square mile zone.

Future Conditions 1% Annual
Chance Flood Hazard Zone X
Area with Reduced Flood Risk due to 20
Levee. See Notes. Zone X Area with Flood Risk due to Levee Zones

NO SCREEN Area of Minimal Flood Hazard **Effective LOMRs**

Area of Undetermined Flood Hazard Zone D

Channel, Culvert, or Storm Sewer

STRUCTURES 1111111 Levee, Dike, or Floodwall

Cross Sections with 1% Annual Chance Water Surface Elevation (B) 20.2

Base Flood Elevation Line (BFE) Coastal Transect Limit of Study more 513 more

Coastal Transect Baseline **Jurisdiction Boundary**

Hydrographic Feature

OTHER **FEATURES** Digital Data Available

No Digital Data Available

Unmapped

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

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

authoritative NFHL web services provided by FEMA. This map reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or The flood hazard information is derived directly from the was exported on 9/17/2020 at 3:39 PM and does not The basemap shown complies with FEMA's basemap accuracy standards

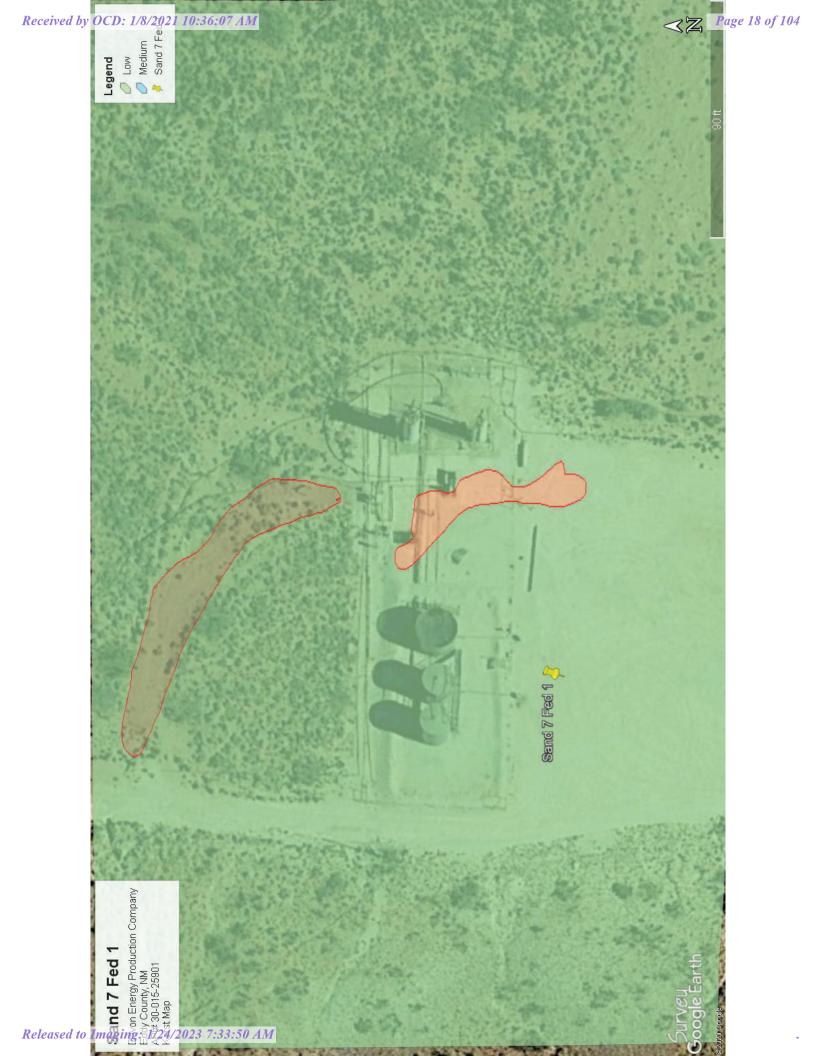
This map image is void if the one or more of the following map be elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for of unmapped and unmodernized areas cannot be used for regulatory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

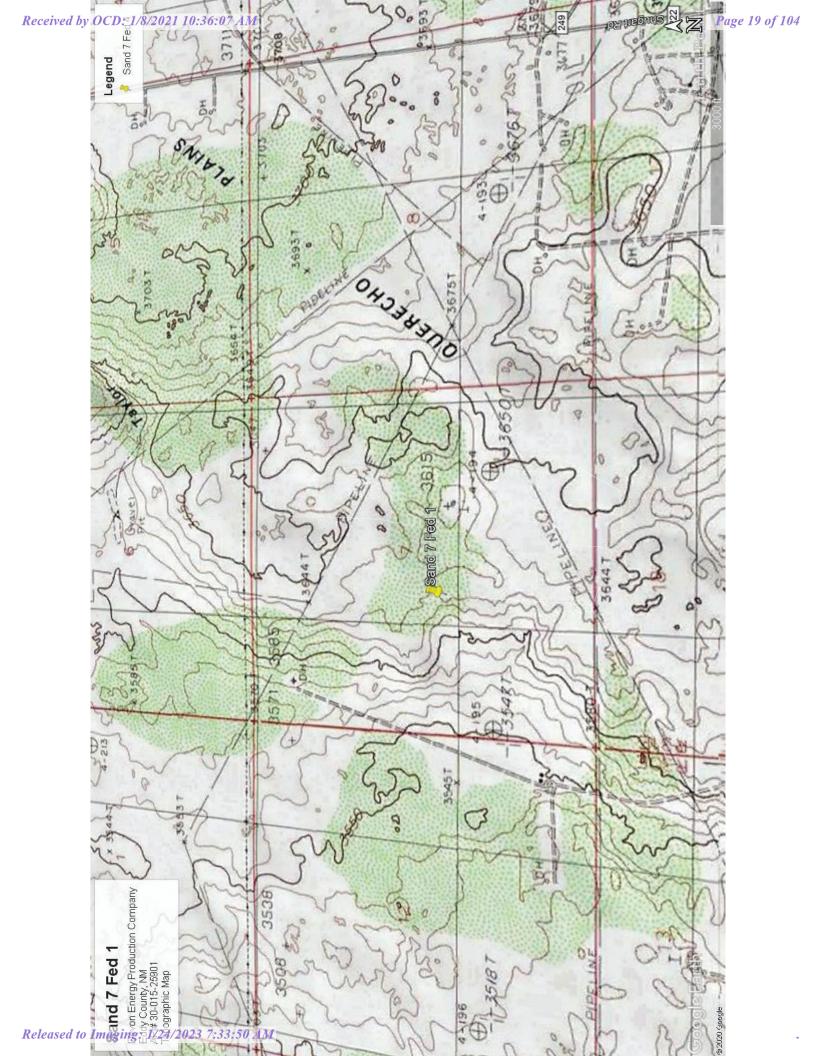
1,500

1,000

500

250







APPENDIX II

SOIL SURVEY, GROUNDWATER DATA

Eddy Area, New Mexico

KM—Kermit-Berino fine sands, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w4q Elevation: 3,100 to 4,200 feet

Mean annual precipitation: 10 to 14 inches
Mean annual air temperature: 60 to 64 degrees F

Frost-free period: 190 to 230 days

Farmland classification: Not prime farmland

Map Unit Composition

Kermit and similar soils: 50 percent Berino and similar soils: 35 percent Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

Description of Kermit

Setting

Landform: Alluvial fans, plains

Landform position (three-dimensional): Rise, talf

Down-slope shape: Linear, convex

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 7 inches: fine sand H2 - 7 to 60 inches: fine sand

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Excessively drained

Runoff class: Negligible

Capacity of the most limiting layer to transmit water (Ksat): Very

high (20.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water capacity: Low (about 3.1 inches)

Interpretive groups

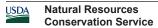
Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: A

Ecological site: R042XC005NM - Deep Sand

Hydric soil rating: No



Description of Berino

Setting

Landform: Fan piedmonts, plains

Landform position (three-dimensional): Riser

Down-slope shape: Convex Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 17 inches: fine sand

H2 - 17 to 50 inches: fine sandy loam H3 - 50 to 58 inches: loamy sand

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 40 percent

Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0

mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water capacity: Moderate (about 7.2 inches)

Interpretive groups

Land capability classification (irrigated): 4e Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: B

Ecological site: R042XC003NM - Loamy Sand

Hydric soil rating: No

Minor Components

Active dune land

Percent of map unit: 15 percent

Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico Survey Area Data: Version 16, Jun 8, 2020



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													
		Sub-		Q	Q	Q								Water	
POD Number	Code	basin	County	64	16	4	Sec	Tws	Rng	X	\mathbf{Y}	DistanceDep	thWellDer	pthWater Column	
RA 11590 POD1		RA	ED	2	1	3	32	17S	31E	603315	3628545	3517	158		
RA 11590 POD4		RA	ED	4	1	1	32	17S	31E	603308	3629253	4186	55		
RA 11590 POD3		RA	ED	3	1	2	32	17S	31E	603932	3629260 🌍	4413	60		
<u>CP 00767 POD1</u>		CP	ED		3	2	35	18S	30E	599300	3619158* 🌍	6699	500		
CP 00853 POD1	O	CP	ED		2	4	28	18S	30E	596472	3620340*	7462	350		
RA 11914 POD1		RA	ED	2	4	2	20	17S	30E	594801	3632002 🌑	9941	85	80 5	0

Average Depth to Water:

80 feet

Minimum Depth:

80 feet

Maximum Depth:

80 feet

Record Count: 6

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Easting (X): 602095.22

Northing (Y): 3625246.54

Radius: 10000

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.

11/13/20 11:35 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER

^{*}UTM location was derived from PLSS - see Help



APPENDIX III

C-141 Forms

Form C-141

Revised August 8, 2011

<u>District I</u> 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

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

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

			Rele	ease Notific	cation	and Co	orrective A	ction				
						OPERATOR Initial Report Final Report					Final Report	
Name of Co							udy Zuniga, Pro		n Foremar	1		
		Rivers Hwy	Artesia, l	NM 88220			No. 575-390-54	35				
Facility Na	me Sand 7	Fed 1				Facility Ty	pe Oil					
Surface Ov	vner Feder	al		Mineral	Owner	Federal			API No	. 30-015-	25901	
				LOCA	ATIO	N OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the	I	South Line	Feet from the	1	Vest Line	County		
K	7	18S	31E	1980'		FSL	2121'	F	WL	Eddy		
	•		Lat	itude: 32.7598	39	Loi	ngitude: -103.9	00954				
T. AD.	G 111			NAT	URE	OF REL			***			
Type of Rele		mer union on	rocircula	tion numn			Release 7bbls Hour of Occurre	nco		Recovered : Hour of D		ME7
Source of Ke	elease nann	mer umon on	recircuia	mon pump			3, 2014 10:30 A			r 3, 2014 1		
Was Immed	iate Notice		Yes [No Not R	equired	If YES, To Jeff Rober	o Whom? ctson, BLM & M	ike Bra	tcher, OC	D		
		ga, Productio	n Forema	ın		Date and Hour December 3, 2014 11:20 AM						
Was a Wate	rcourse Re		Yes 🗵] No		If YES, Volume Impacting the Watercourse N/A						
If a Waterco												
		olem and Ren							° 1.5.5			
							circulation pump scovered the leak					
		Assistant Pro			Lease	Operator dis	covered the leak	inc iiiiii	iculately s	nut uown t	ne reei	i culation
		and Cleanu										
		proximately 2 m the spill by			North o	f the Sand 7	Fed 1. Franco's	Trucki	ng was cor	itacted and	were	able to
I hereby certi	ify that the i	nformation g	iven above	e is true and comp	lete to tl	he best of my	knowledge and u	nderstar	nd that purs	suant to NM	OCD r	rules and
regulations a	ll operators	are required t	o report ar	nd/or file certain i	elease n	otifications a	nd perform correc	tive acti	ons for rele	eases which	may e	ndanger
							arked as "Final R					
							on that pose a three the operator of					
		ws and/or regi		runce of a C 111	report d	rt does not relieve the operator of responsibility for compliance with any other						y other
						OIL CONSERVATION DIVISION						
Signature: Si	heila Fi	sher										
Printed Name	e: Sheila Fi	sher				Approved by	Environmental S	pecialist	:			
Title: Field A	Admin Sup _l	port				Approval Da	te:]	Expiration	xpiration Date:		
E-mail Addre	ess: Sheila.l	Fisher@dvn.	com			Conditions of	f Approval:			Attached	ı 🗆	
Date:		Phone:	575.748.1	829								

^{*} Attach Additional Sheets If Necessary

<u>District I</u> 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 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	NAB143385565
District RP	2RP-2642
Facility ID	30-015-25901
Application ID	

Release Notification

			Res	ponsi	ble Party	y				
Responsible	Party: Devo	on Energy			OGRID: 3	28947				
Contact Nan	ne: Lupe Ca	rrasco			Contact Telephone: 580-748-0765					
Contact ema	il: Lupe .Ca	rrasco@dvn.com			Incident #	(assigned by OCD)	: NAB1914957336			
Contact mai	ling address:	PO Box 250 Arte	sia, NM 88211							
			Location	ı of R	Release So	ource				
Latitude 32.7	75989	Longitude -	103.90954 (NAD	83 in dec	imal degrees to .	5 decimal places)				
Site Name: S	and 7 Federa	al 1			Site Type:	Oil Production				
Date Release	Discovered	: 12/03/2014			API# (if app	licable) 30-015-259	001			
Unit Letter	Section	Township	Range		Coun	ty				
K	07	18S	31E	Edd	у					
Surface Owne		⊠ Federal □ Tı	Nature an	d Vo	lume of I)			
Crude Oi		l(s) Released (Select al Volume Release		h calculat	tions or specific	ns or specific justification for the volumes provided below) Volume Recovered (bbls)				
Produced	Water	Volume Release	d (bbls) 7 bbl			Volume Recovered (bbls) 2				
		Is the concentrate produced water	ion of dissolved of 10,000 mg/l?	chloride	e in the	he Yes No				
Condensa	ate	Volume Release				Volume Reco	vered (bbls)			
☐ Natural Gas Volume Released (Mcf)						Volume Recovered (Mcf)				
Other (de	Other (describe) Volume/Weight Released (provide units) Volume/Weight Recovered (provide units)									
union was le	erator was in aking and ha stified the ass	d released approximation	imately 7 bbls of	oil into	the pasture a	area. The lease of	7 Fed1. He discovered that the hammer operator shut down the recirculation s dispatched and recovered			

Page 27 of 104

Incident ID	NAB143385565
District RP	2RP-2642
Facility ID	30-015-25901
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the responsible The volume of release was in excess of 5b					
19.15.29.7(A) NMAC?						
⊠ Yes □ No						
Immediate notice was giv		nom? When and by what means (phone, email, etc)? Induction foreman. Notice was provided to Mike Bratcher with the				
	Initial R	esponse				
The responsible p	party must undertake the following actions immediated	y unless they could create a safety hazard that would result in injury				
The source of the rele	ease has been stopped.					
☐ The impacted area has	s been secured to protect human health and	the environment.				
Released materials ha	we been contained via the use of berms or o	ikes, absorbent pads, or other containment devices.				
All free liquids and re	ecoverable materials have been removed an	d managed appropriately.				
If all the actions described	d above have <u>not</u> been undertaken, explain	why:				
has begun, please attach a	a narrative of actions to date. If remedial	emediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred clease attach all information needed for closure evaluation.				
regulations all operators are public health or the environm failed to adequately investiga	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					
Printed Name: Rebec	cca Pons Title: Project Manager					
Signature: Rebecc	Spally quantial places a train.	Date: <u>12/31/2020</u>				
email: Rpons@tale	onlpe.com	Telephone: <u>575-441-0980</u>				
OCD Only						
·						
Received by:		Date:				

of New Mexico

Incident ID	NAB143385565
District RP	2RP-2642
Facility ID	30-015-25901
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?	_80(ft bgs)				
Did this release impact groundwater or surface water?	☐ Yes ⊠ No				
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ 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)? ☐ Yes ☐ No					
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ 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?	☐ Yes ⊠ No				
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No				
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No				
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No				
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No				
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No				
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No				
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ⊠ No				
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil				
Characterization Report Checklist: Each of the following items must be included in the report.					
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 ⅓-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.

Received by OCD: 1/8/2021 10:36:07 AM Form C-141 State of New Mexico Page 4 Oil Conservation Division

Received by:

OCD Only

	Page	<i>29</i>	of.	<i>104</i>
1/3385	565			1

Incident ID	NAB143385565
District RP	2RP-2642
Facility ID	30-015-25901
Application ID	

Date: _____

Page 30 of 104

Incident ID	NAB1433855615
District RP	2RP-2642
Facility ID	30-015-25901
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 it	ems must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC
□ Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC	District office must be notified 2 days prior to final sampling)
□ Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of	tions. The responsible party acknowledges they must substantially additions that existed prior to the release or their final land use in
Printed Name:Lupe Carrasco	Title: Environmental Professional
Signature: Lupa Carrasco	Date:12/31/2020
email:Lupe.Carrasco@dvn.com	Telephone: 575748-0765
OCD Only	
Received by:	Date:
remediate contamination that poses a threat to groundwater, surface venture of compliance with any other federal, state, or local laws and/o	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by: Luttan Hall	Date: 1/24/2023
Printed Name: Brittany Hall	Title: Environmental Specialist



APPENDIX IV

Work Plan



December 18, 2014

Mr. Mike Bratcher **NMOCD District 2**

921 North Bivins Amarillo, Texas 79107 Phone 806.467.0607

Fax 806.467.0622

ARTESIA

AMARILLO 811 S. 1st Street Artesia, NM 88210

Subject:

Soil Assessment and Remediation Work Plan

Devon Energy Corporation

Sand 7 Federal #1

API # 30-015-25901 - 2RP-2642

408 West Texas Ave. Artesia, New Mexico 88210 Phone 575.746.8768

Fax 575.746.8905 Dear Mr. Bratcher

HOBBS 318 East Taylor Street Hobbs, New Mexico 88240 Phone 575.393.4261 Fax 575.393.4658

Devon Energy Corporation (Devon) has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The results of our soil assessment and proposed remediation activities consist of the following.

Incident Date

MIDLAND 2901 State Hwy 349 Midland, Texas 79706 Phone 432.522.2133

December 3, 2014

Fax 432.522.2180 Background Information

OKLAHOMA CITY 7700 North Hudson Avenue Suite 10 Oklahoma City, Oklahoma 73116 Phone 405,486,7030

The Sand 7 Federal #1 is located approximately thirty-eight (38) miles southeast of Artesia, New Mexico. The legal location for the site is Unit letter K of Section 7, Township 18S, Range 31E in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.75989 North and -103.90954 West. See Fax 806.467.0622 site plan in Appendix I.

SAN ANTONIO 13111 Lookout Way San Antonio, Texas 78233 Phone 210.265.8025 Fax 210.568.2191

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 Kermit-Berino fine sands with 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 sands. Drainage courses in this area are normally dry. Ground water in the project vicinity is greater than 100-feet below ground surface (bgs), according to the New Mexico Office of the State Engineer. See Appendix II for the referenced groundwater data.

The ranking for this site is **0** based on the following:

Depth to ground water Wellhead protection area >100'

ENVIRONMENTAL CONSULTING ENGINEERING

>1000°

DRILLING

CONSTRUCTION SPILL MANAGEMENT >1000°

GENERAL CONTRACTING

Distance to surface water body

Page 1 of 3

Toll Free: 866.742.0742 www.talonlpe.com Released to Imaging: 1/24/2023 7:33:50 AM

Incident Description

On December 3, 2014 the hammer union on the recirculation pump malfunctioned causing a release of 7 barrels of mix fluids. The well was shut-in and the pump replaced. A vac truck was called to the location and recovered 2 barrels of fluid. The area affected was on location surrounding the transfer pump with a flow path that moved north along the lease road and west into the pasture. See site plan in Appendix I.

Actions Taken

On December 5, 2014 Talon mobilized personnel to begin the site assessment and soil sampling activities for the construction of a work plan. Grab soil samples were collected utilizing a hand auger to a depth of 2-feet below ground surface. See Table 1.

All soil samples were collected by Talon personnel wearing clean nitrile gloves. The soil samples were placed in laboratory provided sample containers, iced and transported to Cardinal Laboratories in Hobbs, New Mexico for analysis. The samples were tested for TPH (Total Petroleum Hydrocarbons) using EPA Method 8015M, and volatile organics (BTEX) using EPA Method 8021B. The chloride samples were analyzed per Method SM4500Cl-B.

Laboratory Results

See Appendix III for complete report of laboratory results.

December 15, 2014

			9		
- 7	0	h	0	1	

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-1	0'	2780	<16	15100	30100
Refusal	0.5'	14.6	<16	87.5	336
S-2	0'	2270	<16	10600	22800
	0.5'	147	<16	892	2700
S-3	0'	67.5	240	680	2990
	1'	0.419	<16	<10	<10
S-4	0'	1510	270	8470	16100
	1'	62.1	<16	287	762
	2'	35.3	<16	320	1140
S-5	0'	1710	<16	10900	20700
17年到1000年代	1'	22.6	<16	278	893
Refusal	2'	1.41	<16	<10	170
S-6	0'	1900	<16	11100	20400
1'	1'	2.28	<16	<10	164
	2'	0.395	<16	<10	67.6
S-7	0'	2420	<16	13700	28900
	1'	169	<16	703	1840
	2'	1.67	<16	<10	100

Page 2 of 3

Based upon the site ranking of 0, NMOCD Recommended Remedial Action Levels (RRAL) are 50 mg/kg for BTEX, 10 mg/kg for Benzene, 5,000 mg/kg for TPH. The chloride standard is considered to be 1,000 mg/kg.

Proposed Remedial Actions

- The impacted area in the vicinity of sample points S-1, S-3, S-5, S-6 and S-7 will be excavated to a depth of 0.5-feet deep. The impacted area in the vicinity of sample point S-2 will be excavated to depth of 1-feet deep. Field PID readings will be used to guide the excavation. Once field results indicate that the impacted soil is below NMOCD Recommended Remedial Action Level's (RRAL's), a confirmation soil sample will be taken to insure all of the impacted material was removed.
- The impacted area in the vicinity of sample points S-4 and S-7 will be excavated to a depth of 1.5-feet deep.
- All the contaminated soil will be transported to Lea Land, LLC, an approved disposal facility.
- The excavated areas will be backfilled with new/clean caliche and topsoil from Lea Land. The excavation will be re-contoured to match the surrounding location. The areas in the pasture will be seeded using the BLM LPC seed mix.
- A final closure report documenting all remedial actions and analytical results will be provided to the NMOCD Artesia Office along with a Final C-141 Form.

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

M. Wilson

Respectfully submitted,

Kimberly M. Wilson

Project Manager

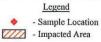
David J. Adkins

District Manager

APPENDIX I

SITE MAP







Date: 12/11/2014

Scale: NTS

Drawn By: NTS

Sand 7 Fed #1 Devon Energy Corporation Eddy County, New Mexico Figure 1 - Site Plan

Released to Imaging: 1/24/2023 7:33:50 AM

APPENDIX II GROUNDWATER DATA INITIAL C-141



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 Sub-

QQQ

Depth Depth Water Distance Well Water Column

POD Number RA 11590 POD1

Code basin County 64 16 4 Sec Tws Rng 2 1 3 32 17S 31E

603315 3628545

3954

Average Depth to Water:

Minimum Depth:

Maximum Depth:

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 601760

Northing (Y): 3624909

Radius: 4000

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.

District 1
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

NM OIL CONSERVATION
ARTESIA DISTRICT Rev

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Salfalia Octop 2014 ppropriate District Office in accordance with 19.15.29 NMAC.

RECEIVED

			Rele	ase Notific	atior	and Co	rrective A	ction	(10. <u>- 13. (10.) - 3.</u> 10. <u>- 3. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10</u>		Old and description of the second	
NAB	14338	556/	5			OPERA	FOR			l Report		Final Report
Name of Co	mpany D	evon Energy	Product				udy Zuniga, Pro		Foreman			
Address 643			Artesia, 1	M 88220			No. 575-390-54	35				
Facility Na	me Sand /	red 1				Facility Typ	oe Oil					
Surface Ow	ner Feder	al		Mineral ()wner	Federal			API No	. 30-015-	25901	
				LOCA	TION	OF REI	LEASE					
Unit Letter	Section	Township	Range	Feet from the		South Line	Feet from the		est Line	County		
K	7	18S	31E	1980'		FSL	2121'	F	WL	Eddy		
			Lat	itude: 32.7598	9	Lor	gitude: -103.9	0954				
				NAT	URE	OF RELI	EASE					
Type of Rele							Release 7bbls		Volume F	Recovered 2	2bbls	
Source of Re	lease hamr	ner union on	recircula	tion pump			Hour of Occurred 3, 2014 10:30 AM			Hour of D		
Was Immedi	ate Notice	Given?				If YES, To		VI	December	r 3, 2014 10	0:30 AI	VI.
		\boxtimes	Yes	No 🗌 Not Re	quired		tson, BLM & M	ike Brat	cher, OCI)		
By Whom? F			n Forema	n			Iour December :					
Was a Water	course Re		Yes 🗵	No		If YES, Vo	lume Impacting	the Wa	tercourse			
If a Waterco	urse was Iı	npacted, Des	cribe Ful	y.* N/A		1						
Describe Cau On Decembe hammer unic pump and no	r 3, 2014 a on leaking	t 10:30am Le releasing 7bb	ase Oper ols of oil in	ator was transfer pasture. When	ring oil Lease (with the rec Operator dis	irculation pump covered the leak	at the S he imm	and 7 Fed ediately sl	1 when he nut down t	discov he reci	vered the rculation
Describe Are The area affe recover 2bbls	ected is app	roximately 2	'x10' in t	he pasture area N	lorth o	f the Sand 7	Fed 1. Franco's	Truckir	ng was con	tacted and	were a	able to
regulations al public health should their o	l operators or the envir perations homent. In a	are required to conment. The ave failed to a ddition, NMO	report ar acceptanc dequately CD accep	is true and compled/or file certain release of a C-141 repoinvestigate and relations of a C-141 relations.	lease no t by the mediate	otifications are NMOCD made contamination	nd perform correct arked as "Final Roon that pose a three	tive action eport" do eat to gro	ons for rele oes not reli- ound water	ases which eve the ope surface wa	may er rator of ater, hu	danger liability man health
Signature: SV	oila Fi	ther					OIL CONS	SERV	ATION	DIVISIO	<u>N</u>	
Printed Name					\dashv	Approved by	Signed By Environmental Si	Mi)		POSICE L		
Title: Field A						Approval Dat	10111	.1	xpiration I	Date:	A	
E-mail Addre	ss: Sheila.I	isher@dvn.c	om			Conditions of	Approval:			Attached	П	
Date:		Phone	575.748.1	820	F	Remediatio	on per O.C.D.	Rules	& Guide	lines		
Attach Addit	ional Shee			UM/		SUBIVITY RI	HOITAIDSWE	PROP	OSAL N	3	n	3
			,		ŧ	ATER THA	N: 1141	15			4	P-2642

APPENDIX III LABORATORY RESULTS



December 15, 2014

KIMBERLY WILSON

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: SAND 7 FED. NO. 1

Enclosed are the results of analyses for samples received by the laboratory on 12/08/14 12:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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 accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keene

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



Analytical Results For:

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

Received: Reported: 12/08/2014

12/15/2014

Project Name:

SAND 7 FED. NO. 1

Project Number: Project Location: 700794.010.01 SEC.7 - T18S - R31E Sampling Date:

12/05/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S-1 0' (H403734-01)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	319	10.0	12/11/2014	ND	2.06	103	2.00	0.335	
Toluene*	1260	10.0	12/11/2014	ND	2.03	101	2.00	0.553	
Ethylbenzene*	504	10.0	12/11/2014	ND	1.91	95.7	2.00	1.50	
Total Xylenes*	702	30.0	12/11/2014	ND	5.75	95.9	6.00	1.57	
Total BTEX	2780	60.0	12/11/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	106 9	61-154							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/09/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	15100	100	12/09/2014	ND	205	102	200	0.0332	
DRO >C10-C28	30100	100	12/09/2014	ND	214	107	200	2.07	
Surrogate: 1-Chlorooctane	450 5	% 47.2-15°	7						
Surrogate: 1-Chlorooctadecane	768	52.1-170	6						

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Page 2 of 22



Analytical Results For:

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

Received: Reported: 12/08/2014

12/15/2014

Project Name: Project Number: SAND 7 FED. NO. 1 700794.010.01

Project Location:

SEC.7 - T18S - R31E

Sampling Date:

12/05/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S-1 0.5' REFUSAL (H403734-02)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.478	0.050	12/11/2014	ND	2.06	103	2.00	0.335	
Toluene*	2.76	0.050	12/11/2014	ND	2.03	101	2.00	0.553	
Ethylbenzene*	3.97	0.050	12/11/2014	ND	1.91	95.7	2.00	1.50	
Total Xylenes*	7.39	0.150	12/11/2014	ND	5.75	95.9	6.00	1.57	
Total BTEX	14.6	0.300	12/11/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	131	% 61-154	(
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/09/2014	ND	400	100	400	0.00	
TPH 8015M	mg,	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	87.5	10.0	12/09/2014	ND	205	102	200	0.0332	
DRO >C10-C28	336	10.0	12/09/2014	ND	214	107	200	2.07	
Surrogate: 1-Chlorooctane	125	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	146	% 52.1-17	6						

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Analytical Results For:

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

Received: Reported: 12/08/2014

12/15/2014

Project Name: Project Number: SAND 7 FED. NO. 1 700794.010.01

Project Location:

SEC.7 - T18S - R31E

Sampling Date:

12/05/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S-2 0' (H403734-03)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	182	10.0	12/11/2014	ND	2.06	103	2.00	0.335	
Toluene*	1040	10.0	12/11/2014	ND	2.03	101	2.00	0.553	
Ethylbenzene*	439	10.0	12/11/2014	ND	1.91	95.7	2.00	1.50	
Total Xylenes*	611	30.0	12/11/2014	ND	5.75	95.9	6.00	1.57	
Total BTEX	2270	60.0	12/11/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	108 9	6 61-154							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/09/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	10600	200	12/09/2014	ND	205	102	200	0.0332	
DRO >C10-C28	22800	200	12/09/2014	ND	214	107	200	2.07	
Surrogate: 1-Chlorooctane	339 9	6 47.2-157	7						
Surrogate: 1-Chlorooctadecane	570 9	6 52.1-170	5						

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Page 4 of 22



Analytical Results For:

TALON LPE KIMBERLY WILSON 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

12/08/2014

Sampling Date:

12/05/2014

Reported:

12/15/2014

Sampling Type:

Soil

Project Name:

SAND 7 FED. NO. 1

Sampling Condition:

Cool & Intact

Project Number:

700794.010.01

Sample Received By:

Jodi Henson

Project Location:

SEC.7 - T18S - R31E

Sample ID: S-2 0.5' REFUSAL (H403734-04)

BTEX 8021B	mg/	'kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	6.46	0.500	12/11/2014	ND	2.06	103	2.00	0.335	
Toluene*	57.8	0.500	12/11/2014	ND	2.03	101	2.00	0.553	
Ethylbenzene*	33.0	0.500	12/11/2014	ND	1.91	95.7	2.00	1.50	
Total Xylenes*	49.5	1.50	12/11/2014	ND	5.75	95.9	6.00	1.57	
Total BTEX	147	3.00	12/11/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	115 9	% 61-154							<i>D</i> .
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/09/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	892	10.0	12/09/2014	ND	205	102	200	0.0332	
DRO >C10-C28	2700	10.0	12/09/2014	ND	214	107	200	2.07	
Surrogate: 1-Chlorooctane	169	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	172	% 52.1-176	6						

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Page 5 of 22



Analytical Results For:

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

Received:

12/08/2014

Reported:

12/15/2014

Project Name:

SAND 7 FED. NO. 1

Project Number: Project Location: 700794.010.01

SEC.7 - T18S - R31E

Sampling Date:

12/05/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S-3 0' (H403734-05)

BTEX 8021B	mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.569	0.500	12/11/2014	ND	2.06	103	2.00	0.335	
Toluene*	7.68	0.500	12/11/2014	ND	2.03	101	2.00	0.553	
Ethylbenzene*	18.2	0.500	12/11/2014	ND	1.91	95.7	2.00	1.50	
Total Xylenes*	41.0	1.50	12/11/2014	ND	5.75	95.9	6.00	1.57	
Total BTEX	67.5	3.00	12/11/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	125	% 61-154							
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	12/09/2014	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	680	100	12/09/2014	ND	205	102	200	0.0332	
DRO >C10-C28	2990	100	12/09/2014	ND	214	107	200	2.07	
Surrogate: 1-Chlorooctane	108	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	223	% 52.1-17	6						

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Page 6 of 22



Analytical Results For:

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

Received:

12/08/2014

Sampling Date:

12/05/2014

Reported:

12/15/2014

121%

52.1-176

Sampling Type:

12/05/2012 Soil

Project Name:

SAND 7 FED. NO. 1

Sampling Condition:

Cool & Intact

Project Number:

700794.010.01

Sample Received By:

Jodi Henson

Project Location:

SEC.7 - T18S - R31E

Sample ID: S-3 1' REFUSAL (H403734-06)

BTEX 8021B	mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.171	0.050	12/11/2014	ND	2.06	103	2.00	0.335	
Toluene*	0.186	0.050	12/11/2014	ND	2.03	101	2.00	0.553	
Ethylbenzene*	0.061	0.050	12/11/2014	ND	1.91	95.7	2.00	1.50	
Total Xylenes*	<0.150	0.150	12/11/2014	ND	5.75	95.9	6.00	1.57	
Total BTEX	0.419	0.300	12/11/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	102 9	% 61-154							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/09/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/09/2014	ND	205	102	200	0.0332	
DRO >C10-C28	<10.0	10.0	12/09/2014	ND	214	107	200	2.07	
Surrogate: 1-Chlorooctane	105 9	% 47.2-15	7		-				

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Surrogate: 1-Chlorooctadecane

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Page 7 of 22



Analytical Results For:

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

Received:

12/08/2014

Reported:

12/15/2014

Project Name:

SAND 7 FED. NO. 1

Project Number: Project Location: 700794.010.01 SEC.7 - T18S - R31E

Sampling Date:

12/05/2014 Soil

Sampling Type:

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S-4 0' (H403734-07)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	176	5.00	12/11/2014	ND	2.06	103	2.00	0.335	
Toluene*	677	5.00	12/11/2014	ND	2.03	101	2.00	0.553	
Ethylbenzene*	273	5.00	12/11/2014	ND	1.91	95.7	2.00	1.50	
Total Xylenes*	383	15.0	12/11/2014	ND	5.75	95.9	6.00	1.57	
Total BTEX	1510	30.0	12/11/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	106 9	61-154							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	12/09/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	8470	100	12/09/2014	ND	205	102	200	0.0332	
DRO >C10-C28	16100	100	12/09/2014	ND	214	107	200	2.07	
Surrogate: 1-Chlorooctane	235 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	402 9	% 52.1-17	6						

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Page 8 of 22



Analytical Results For:

TALON LPE KIMBERLY WILSON 408 W. TEXAS AVE. ARTESIA NM, 88210 (575) 745-8905

Received:

12/08/2014

Reported:

DTEV 0021D

12/15/2014

Project Name: Project Number: SAND 7 FED. NO. 1 700794.010.01

Project Location:

SEC.7 - T18S - R31E

ma /lea

Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

12/05/2014 Soil

Cool & Intact

Jodi Henson

Sample ID: S-4 1' (H403734-08)

BTEX 8021B	mg/l	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.87	0.200	12/11/2014	ND	2.06	103	2.00	0.335	
Toluene*	22.6	0.200	12/11/2014	ND	2.03	101	2.00	0.553	
Ethylbenzene*	15.0	0.200	12/11/2014	ND	1.91	95.7	2.00	1.50	
Total Xylenes*	22.7	0.600	12/11/2014	ND	5.75	95.9	6.00	1.57	
Total BTEX	62.1	1.20	12/11/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	118 %	61-154							
Chloride, SM4500CI-B	mg/l	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/09/2014	ND	400	100	400	0.00	
TPH 8015M	mg/l	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	287	10.0	12/09/2014	ND	205	102	200	0.0332	
DRO >C10-C28	762	10.0	12/09/2014	ND	214	107	200	2.07	
Surrogate: 1-Chlorooctane	124 %	6 47.2-157	7						
Surrogate: 1-Chlorooctadecane	131 %	52.1-170	5						

Analyzed By: CV

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Page 9 of 22



Analytical Results For:

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

Received:

12/08/2014

Reported:

12/15/2014

Project Name: Project Number: SAND 7 FED. NO. 1 700794.010.01

Project Location:

SEC.7 - T18S - R31E

Sampling Date:

pling Date.

Sampling Type: Sampling Condition:

Sample Received By:

Cool & Intact Jodi Henson

12/05/2014

Soil

ple Received By:

Sample ID: S-4 2' (H403734-09)

BTEX 8021B	mg/	kg	Analyze	d By: CK	•				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.460	0.200	12/11/2014	ND	2.06	103	2.00	0.335	
Toluene*	9.51	0.200	12/11/2014	ND	2.03	101	2.00	0.553	
Ethylbenzene*	9.63	0.200	12/11/2014	ND	1.91	95.7	2.00	1.50	
Total Xylenes*	15.7	0.600	12/11/2014	ND	5.75	95.9	6.00	1.57	
Total BTEX	35.3	1.20	12/11/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	116 %	6 61-154							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/09/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	320	10.0	12/09/2014	ND	205	102	200	0.0332	
DRO >C10-C28	1140	10.0	12/09/2014	ND	214	107	200	2.07	
Surrogate: 1-Chlorooctane	137 9	6 47.2-15	7						
Surrogate: 1-Chlorooctadecane	144 9	6 52.1-17	6						

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Page 10 of 22



Analytical Results For:

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

Received:

12/08/2014

Reported:

12/15/2014

Project Name: Project Number: SAND 7 FED. NO. 1 700794.010.01

Project Location:

SEC.7 - T18S - R31E

Sampling Date:

12/05/2014

Sampling Type:

Sampling Condition:

Soil Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S-5 0' (H403734-10)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	189	10.0	12/11/2014	ND	2.06	103	2.00	0.335	
Toluene*	768	10.0	12/11/2014	ND	2.03	101	2.00	0.553	
Ethylbenzene*	316	10.0	12/11/2014	ND	1.91	95.7	2.00	1.50	
Total Xylenes*	441	30.0	12/11/2014	ND	5.75	95.9	6.00	1.57	
Total BTEX	1710	60.0	12/11/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 9	% 61-154	!						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/09/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	10900	100	12/10/2014	ND	188	93.9	200	0.211	
DRO >C10-C28	20700	100	12/10/2014	ND	201	100	200	0.909	
Surrogate: 1-Chlorooctane	277 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	335 9	52.1-17	6						

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Page 11 of 22



Analytical Results For:

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

Received:

12/08/2014

Reported:

12/15/2014

Project Name: Project Number: SAND 7 FED. NO. 1 700794.010.01

Project Location:

SEC.7 - T18S - R31E

Sampling Date:

12/05/2014

Sampling Type:

Sampling Condition:

Soil

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S-5 1' (H403734-11)

BTEX 8021B	mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.637	0.200	12/11/2014	ND	2.06	103	2.00	0.335	
Toluene*	7.08	0.200	12/11/2014	ND	2.03	101	2.00	0.553	
Ethylbenzene*	5.82	0.200	12/11/2014	ND	1.91	95.7	2.00	1.50	
Total Xylenes*	9.09	0.600	12/11/2014	ND	5.75	95.9	6.00	1.57	
Total BTEX	22.6	1.20	12/11/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109 %	61-154	1						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/09/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	278	10.0	12/10/2014	ND	188	93.9	200	0.211	
DRO >C10-C28	893	10.0	12/10/2014	ND	201	100	200	0.909	
Surrogate: 1-Chlorooctane	101 %	% 47.2-15	7		IX.				
Surrogate: 1-Chlorooctadecane	89.3	% 52.1-17	6						

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Page 12 of 22



Analytical Results For:

TALON LPE KIMBERLY WILSON 408 W. TEXAS AVE. ARTESIA NM, 88210

(575) 745-8905

Received:

12/08/2014

Sampling Date:

12/05/2014

Reported:

12/15/2014

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Project Name:

SAND 7 FED. NO. 1

Project Number:

700794.010.01

Sample Received By:

Jodi Henson

Project Location:

SEC.7 - T18S - R31E

Sample ID: S-5 2' REFUSAL (H403734-12)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.051	0.050	12/11/2014	ND	1.98	98.9	2.00	4.25	
Toluene*	0.241	0.050	12/11/2014	ND	1.97	98.7	2.00	4.01	
Ethylbenzene*	0.363	0.050	12/11/2014	ND	1.89	94.4	2.00	3.87	
Total Xylenes*	0.759	0.150	12/11/2014	ND	5.72	95.3	6.00	3.73	
Total BTEX	1.41	0.300	12/11/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 61-154							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/09/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/10/2014	ND	188	93.9	200	0.211	
DRO >C10-C28	170	10.0	12/10/2014	ND	201	100	200	0.909	
Surrogate: 1-Chlorooctane	85.5	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	80.5	% 52.1-176	5						

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Page 13 of 22



Analytical Results For:

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

Received:

Reported:

DTEV 9021B

12/15/2014

Project Name: Project Number: SAND 7 FED. NO. 1

Project Location:

12/08/2014

700794.010.01

SEC.7 - T18S - R31E

ma /lea

503 %

52.1-176

Sampling Date:

12/05/2014

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: S-6 0' (H403734-13)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	193	10.0	12/11/2014	ND	1.98	98.9	2.00	4.25	
Toluene*	869	10.0	12/11/2014	ND	1.97	98.7	2.00	4.01	
Ethylbenzene*	352	10.0	12/11/2014	ND	1.89	94.4	2.00	3.87	
Total Xylenes*	491	30.0	12/11/2014	ND	5.72	95.3	6.00	3.73	
Total BTEX	1900	60.0	12/11/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104	% 61-154							
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/09/2014	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	11100	200	12/10/2014	ND	188	93.9	200	0.211	
DRO >C10-C28	20400	200	12/10/2014	ND	201	100	200	0.909	

Analyzed By: CV

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Surrogate: 1-Chlorooctadecane

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Page 14 of 22



Analytical Results For:

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

12/08/2014 Reported: 12/15/2014

Project Name: SAND 7 FED. NO. 1 Project Number: 700794.010.01

Project Location: SEC.7 - T18S - R31E Sampling Date:

12/05/2014 Sampling Type: Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S-6 1' (H403734-14)

Received:

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.299	0.050	12/11/2014	ND	1.98	98.9	2.00	4.25	
Toluene*	0.589	0.050	12/11/2014	ND	1.97	98.7	2.00	4.01	
Ethylbenzene*	0.462	0.050	12/11/2014	ND	1.89	94.4	2.00	3.87	
Total Xylenes*	0.926	0.150	12/11/2014	ND	5.72	95.3	6.00	3.73	
Total BTEX	2.28	0.300	12/11/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	103 %	6 61-154							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/09/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/10/2014	ND	188	93.9	200	0.211	
DRO >C10-C28	164	10.0	12/10/2014	ND	201	100	200	0.909	
Surrogate: 1-Chlorooctane	93.3	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	87.3	% 52.1-17	6						

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Page 15 of 22



Analytical Results For:

TALON LPE KIMBERLY WILSON 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

12/08/2014

Reported:

12/15/2014

Project Name: Project Number: SAND 7 FED. NO. 1 700794.010.01

Project Location:

SEC.7 - T18S - R31E

Sampling Date:

12/05/2014 Soil

Sampling Type: Sampling Condition:

Sample Received By:

Cool & Intact Jodi Henson

Sample ID: S-6 2' REFUSAL (H403734-15)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2014	ND	1.98	98.9	2.00	4.25	
Toluene*	0.108	0.050	12/11/2014	ND	1.97	98.7	2.00	4.01	
Ethylbenzene*	0.097	0.050	12/11/2014	ND	1.89	94.4	2.00	3.87	
Total Xylenes*	0.189	0.150	12/11/2014	ND	5.72	95.3	6.00	3.73	
Total BTEX	0.395	0.300	12/11/2014	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 61-154							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/09/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/10/2014	ND	188	93.9	200	0.211	
DRO >C10-C28	67.6	10.0	12/10/2014	ND	201	100	200	0.909	
Surrogate: 1-Chlorooctane	84.9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	81.3	% 52.1-17	6						

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Page 16 of 22



Analytical Results For:

TALON LPE KIMBERLY WILSON 408 W. TEXAS AVE. ARTESIA NM, 88210 (575) 745-8905

Received:

12/08/2014

Reported:

12/15/2014

Project Name:

SAND 7 FED. NO. 1

Project Number: Project Location: 700794.010.01 SEC.7 - T18S - R31E Sampling Date:

12/05/2014

Sampling Type:

Sampling Condition:

Soil

Sample Received By:

Cool & Intact

Jodi Henson

Sample ID: S-7 0' (H403734-16)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	176	10.0	12/11/2014	ND	1.98	98.9	2.00	4.25	
Toluene*	1070	10.0	12/11/2014	ND	1.97	98.7	2.00	4.01	
Ethylbenzene*	484	10.0	12/11/2014	ND	1.89	94.4	2.00	3.87	
Total Xylenes*	689	30.0	12/11/2014	ND	5.72	95.3	6.00	3.73	
Total BTEX	2420	60.0	12/11/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109 9	% 61-154							
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/09/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	13700	200	12/10/2014	ND	188	93.9	200	0.211	
DRO >C10-C28	28900	200	12/10/2014	ND	201	100	200	0.909	
Surrogate: 1-Chlorooctane	290 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	422 9	% 52.1-17	6						

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Page 17 of 22



Analytical Results For:

TALON LPE KIMBERLY WILSON 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Analyzed By CV

Received:

DTEV 9021B

12/08/2014

Sampling Date:

12/05/2014

Reported:

12/15/2014

Sampling Type:

Soil

Project Name:

SAND 7 FED. NO. 1

Sampling Condition:

Cool & Intact

Project Number:

700794.010.01

ma /lea

Sample Received By:

Jodi Henson

Project Location:

SEC.7 - T18S - R31E

Sample ID: S-7 1' (H403734-17)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	4.75	0.500	12/11/2014	ND	1.98	98.9	2.00	4.25	
Toluene*	65.2	0.500	12/11/2014	ND	1.97	98.7	2.00	4.01	
Ethylbenzene*	39.5	0.500	12/11/2014	ND	1.89	94.4	2.00	3.87	
Total Xylenes*	59.1	1.50	12/11/2014	ND	5.72	95.3	6.00	3.73	
Total BTEX	169	3.00	12/11/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	117 %	6 61-154							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/09/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	703	10.0	12/10/2014	ND	188	93.9	200	0.211	
DRO >C10-C28	1840	10.0	12/10/2014	ND	201	100	200	0.909	
Surrogate: 1-Chlorooctane	102 %	6 47.2-152	7						
Surrogate: 1-Chlorooctadecane	88.7	52.1-170	5						

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Page 18 of 22



Analytical Results For:

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

Received: Reported: 12/08/2014

12/15/2014

Project Name: Project Number: SAND 7 FED. NO. 1 700794.010.01

Project Location:

SEC.7 - T18S - R31E

Sampling Date:

12/05/2014 Sampling Type:

Sampling Condition:

Sample Received By:

Soil

Cool & Intact

Jodi Henson

Sample ID: S-7 2' (H403734-18)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.054	0.050	12/11/2014	ND	1.98	98.9	2.00	4.25	
Toluene*	0.378	0.050	12/11/2014	ND	1.97	98.7	2.00	4.01	
Ethylbenzene*	0.433	0.050	12/11/2014	ND	1.89	94.4	2.00	3.87	
Total Xylenes*	0.810	0.150	12/11/2014	ND	5.72	95.3	6.00	3.73	
Total BTEX	1.67	0.300	12/11/2014	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 9	% 61-154							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/09/2014	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/10/2014	ND	188	93.9	200	0.211	
DRO >C10-C28	100	10.0	12/10/2014	ND	201	100	200	0.909	
Surrogate: 1-Chlorooctane	87.2	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	82.3	% 52.1-17	6						

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Page 19 of 22



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.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey & Keine

Celey D. Keene, Lab Director/Quality Manager

Page 20 of 22

Sheldon Hitchcock

From:

eticket@nm811.org

Sent:

Monday, December 15, 2014 4:21 PM

To:

Sheldon Hitchcock

Subject:

DO NOT REPLY: Request 2014510660

New Mexico One Call

Locate Request Confirmation

Header Code: STANDARD LOCATE

Request Type:

Ticket No: 2014510660 Seq. No: 0

Update of:

Original Call Date: 12/15/2014 Time:

12/15/2014 Time:

04:18:15 PM OP: 240

Transmit Date:

04:20:31 PM

Work to Begin Date: 12/17/2014 Time:

04:18:00 PM

Company:

TALON LPE

Contact Name:

SHELDON HITCHCOCK

Contact Phone: (575)689-5198 Alternate Phone: (575)602-3826

Alternate Contact: KIMBERLY WILSON

Best Time to Call:

Fax No:

Cell Phone:

Pager No:

Email: slhitchcock@talonlpe.com

State: NM

County: EDDY

City: RURAL EDDY

Address:

, SAND 7 FED #1

To Address:

Nearest Intersecting Street:

2nd Intersecting Street:

Subdivision:

Latitude: 32.75988200 Longitude: -103.90950500

Zip Code: Grid:

Location of Work: W1412151558070 FROM US-82 & CR-222, DRIVE S ON 222

FOR 2.8MI, R ON LEASE RD, CONT ON MAIN LEASE RD FOR 1.33MI, TRN L, GO 0.2MI R, GO 0.2MI L, GO 0.53MI R, GO 0.17MI TURN R TO LOCATION. SPOT BATTERY AND NNW OF BATTERY FOR 200-FEET.

Remarks: MARKED IN WHITE LAT:32.75989 LONG:-103.90954

Type of Work: SOIL SAMPLING

Private Property:

Street:

Overhead Lines:

Blasting:

Easement:

Mechanical Boring: Premarked:

Work Being Done For: DEVON ENERGY The following utility owners have been notified:

NAVA

PENA

LIN

FFS

TW07

DEVN

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

101 East Manand, nobbs, Min Socret		
	BILLTO	ANALYSIS REQUEST
Company Name: Talon/LPE	P.O. #:	
Project Manager: K. Wilson		
Address: 408 W. Texas Ave.	Company: I aION/LFE	
	Attn:	
Phone #: 575-746-8768 Fax #: 575-746-8905	Address:	
Project #: Project Owner: DeVon	City:	
Sand 7 Fed #1	State: Zip:	
	Phone #:	
Project Location:	П 2004	
Sampler Name: S. Hitchcock	Fax #:	
	MATRIX PRESERV. SAMPLING	le
Sample I.D. AB OR (C)OMP INTAINERS UNDWATER ITEWATER	DGE ER: D/BASE: / COOL HER:	-PH BTEX Lylonia
7 (G — # (G	OI SI O	
O. CI MCRUSA	4,43	
3	and a	
4 5-2 0.5 rcpusa 6-11	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	
	2 2 2	
65-3 × CCFUSAI 6-1	75.2	
75-40	10:23	
5-41	10.01	
9-42	1001	
5-50	learning or log shall be limited to the amount paid by the client for the	
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive semiced for any cliain arting whether based in continuous or willing and cerewise by Cardinal's within 30 days after completion of the applicable analyses. At datins including those for negligence and any other cause whatsoever shall be deemed wished unless made in willing and received by Cardinal within 30 days after completion of the applicable analyses. At datins including those for negligence and any other cause whatsoever shall be deemed wished unless made in willing and received by Cardinal within 30 days after completion of the applicable analyses. At datins including those for negligence and any other cause whatsoever shall be deemed within a willing and received by Cardinal within 30 days after completion of the applicable analyses. At datins including the property of the proper	e in writing and received by Cardinal within 30 days after completion of the a le in writing and received by Cardinal within 30 days after completion of the action of otherwise.	
affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is be affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is be affiliated or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is be	her such claim is based upon any of the acove stated reasons of Service and Phone Result:	17
hed By:	Fax Result:	□ Yes □ No
Sheller Market	e la company de	
Relinquished By: Dage: 4114 Becomes ay	0 1 2 2	
A Column	CHECKED BY:	
900	Intact	
Sampler-UPS - Bus - Other:	No No	

Page 21 of 22

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476		ANALYSIS REQUEST
Company Name: Talon/LPE		
Project Manager: K. Wilson	P.O. #:	
Address: 408 W. Texas Ave.	company: Talon/LPE	
State: NM	Zip: 88210 Attn:	
Phone #: 575-746-8768 Fax #: 575-746-8905	46-8905 Address:	
	Devon city:	
Project Name: Sand 7 Fed #1	State: Zip:	
	Phone #:	
0	Fax#:	5
Sampler Name: S. HITCHCOCK	PRESERV	SAMPLING
FOR LAB USE ONLY	R	
Lab I.D. Sample I.D.	G)RAB OR (C)OI CONTAINERS FROUNDWATER VASTEWATER FOIL FOIL FOIL FOIL FOIL FOIL FOIL FOIL	TPH BTEX Chlori
5-51		
2 5-5 2' nopusal	6-1	0,40
5-60	6	0.22
145-61	1	30.0
15 5-62 (CF45a)	9	0,20,0
05-10	79	0152
10	1	10:57
172-12	9	
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affiliates or successors mainly out of or related to the performance of services hereunder by Relinquished By:	Cardinal, regardless of whether such daim is based upon any or the above a Recovered By:	Phone Result: Yes No Add'l Phone #: Fax Result: Yes No Add'l Fax #:
Simulished By: Date: Williams	Recigived By:	REMARKS:
Relinquished By:		
Sampler - UPS - Bus - Other:	Cool Infact (Indiana)	

Page 22 of 22

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APPENDIX V

PHOTOGRAPHIC DOCUMENTATION

Devon Energy Sand 7 Fed 1

PHOTO DOCUMENTATION



West Side



Devon Sand 7 Fed # 1

East Side





Liner View





APPENDIX VI

Laboratory Data



October 05, 2020

REBECCA PONS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: SANDS 7 FED 1

Enclosed are the results of analyses for samples received by the laboratory on 09/30/20 11:29.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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



Analytical Results For:

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

 Received:
 09/30/2020
 Sampling Date:
 09/29/2020

 Reported:
 10/05/2020
 Sampling Type:
 Soil

Project Name: SANDS 7 FED 1 Sampling Condition: Cool & Intact
Project Number: 700794.363.01 Sample Received By: Yvonne Muniz

Project Location: DEVON ENERGY - EDDY CO NM

Sample ID: S - 1 0-1' R (H002582-01)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2020	ND	2.14	107	2.00	0.547	
Toluene*	<0.050	0.050	10/01/2020	ND	2.07	103	2.00	1.25	
Ethylbenzene*	<0.050	0.050	10/01/2020	ND	2.10	105	2.00	1.56	
Total Xylenes*	<0.150	0.150	10/01/2020	ND	6.13	102	6.00	1.42	
Total BTEX	<0.300	0.300	10/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 73.3-12	9						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/01/2020	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2020	ND	199	99.5	200	1.68	
DRO >C10-C28*	240	10.0	10/01/2020	ND	182	90.9	200	12.1	
EXT DRO >C28-C36	115	10.0	10/01/2020	ND					
Surrogate: 1-Chlorooctane	91.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	95.2	% 42.2-15	6						

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Analytical Results For:

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

Received: 09/30/2020 Sampling Date: 09/29/2020

Reported: 10/05/2020 Sampling Type: Soil
Project Name: SANDS 7 FED 1 Sampling Condition: Coo

Project Name: SANDS 7 FED 1 Sampling Condition: Cool & Intact
Project Number: 700794.363.01 Sample Received By: Yvonne Muniz

Analyzed By: MC

Project Location: DEVON ENERGY - EDDY CO NM

ma/ka

Sample ID: S - 2 0-1' (H002582-02)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2020	ND	2.14	107	2.00	0.547	
Toluene*	<0.050	0.050	10/01/2020	ND	2.07	103	2.00	1.25	
Ethylbenzene*	<0.050	0.050	10/01/2020	ND	2.10	105	2.00	1.56	
Total Xylenes*	<0.150	0.150	10/01/2020	ND	6.13	102	6.00	1.42	
Total BTEX	<0.300	0.300	10/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/01/2020	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2020	ND	199	99.5	200	1.68	
DRO >C10-C28*	<10.0	10.0	10/01/2020	ND	182	90.9	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	10/01/2020	ND					
Surrogate: 1-Chlorooctane	93.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	88.0	% 42.2-15	6						

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Analytical Results For:

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

Received: 09/30/2020 Sampling Date: 09/29/2020

Reported: 10/05/2020 Sampling Type: Soil

Project Name: SANDS 7 FED 1 Sampling Condition: Cool & Intact
Project Number: 700794.363.01 Sample Received By: Yvonne Muniz

Analyzed By: MS

Project Location: DEVON ENERGY - EDDY CO NM

mg/kg

Sample ID: S - 2 2' R (H002582-03)

BTEX 8021B

	9/	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2020	ND	2.14	107	2.00	0.547	
Toluene*	<0.050	0.050	10/01/2020	ND	2.07	103	2.00	1.25	
Ethylbenzene*	<0.050	0.050	10/01/2020	ND	2.10	105	2.00	1.56	
Total Xylenes*	<0.150	0.150	10/01/2020	ND	6.13	102	6.00	1.42	
Total BTEX	<0.300	0.300	10/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/01/2020	ND	416	104	400	3.77	
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	10/01/2020	ND	199	99.5	200	1.68	
DRO >C10-C28*	<10.0	10.0	10/01/2020	ND	182	90.9	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	10/01/2020	ND					
Surrogate: 1-Chlorooctane	93.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	88.9	% 42.2-15	6						

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Celey D. Keene



Analytical Results For:

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

Received: 09/30/2020 Sampling Date: 09/29/2020

Reported: Sampling Type: Soil 10/05/2020 Project Name: SANDS 7 FED 1 Sampling Condition:

Cool & Intact Sample Received By: Project Number: 700794.363.01 Yvonne Muniz

Project Location: **DEVON ENERGY - EDDY CO NM**

Sample ID: S - 3 0-1' (H002582-04)

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	10/01/2020	ND	2.14	107	2.00	0.547	
Toluene*	<0.050	0.050	10/01/2020	ND	2.07	103	2.00	1.25	
Ethylbenzene*	<0.050	0.050	10/01/2020	ND	2.10	105	2.00	1.56	
Total Xylenes*	<0.150	0.150	10/01/2020	ND	6.13	102	6.00	1.42	
Total BTEX	<0.300	0.300	10/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 73.3-12	9						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/01/2020	ND	416	104	400	3.77	
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	10/01/2020	ND	199	99.5	200	1.68	
DRO >C10-C28*	95.9	10.0	10/01/2020	ND	182	90.9	200	12.1	
EXT DRO >C28-C36	83.8	10.0	10/01/2020	ND					
Surrogate: 1-Chlorooctane	85.7 % 44.3-14		4						
Surrogate: 1-Chlorooctadecane	84.3	% 42.2-15	6						

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Celey D. Keine



Analytical Results For:

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

 Received:
 09/30/2020
 Sampling Date:
 09/29/2020

 Reported:
 10/05/2020
 Sampling Type:
 Soil

Project Name: SANDS 7 FED 1 Sampling Condition: Cool & Intact
Project Number: 700794.363.01 Sample Received By: Yvonne Muniz

Analyzed By: MC

Project Location: DEVON ENERGY - EDDY CO NM

Sample ID: S - 3 1.5' R (H002582-05)

RTFY 8021R

B1EX 8021B	тд/кд		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2020	ND	2.14	107	2.00	0.547	
Toluene*	<0.050	0.050	10/01/2020	ND	2.07	103	2.00	1.25	
Ethylbenzene*	<0.050	0.050	10/01/2020	ND	2.10	105	2.00	1.56	
Total Xylenes*	<0.150	0.150	10/01/2020	ND	6.13	102	6.00	1.42	
Total BTEX	<0.300	0.300	10/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/01/2020	ND	416	104	400	3.77	
TPH 8015M	32.0 16.0 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	10/01/2020	ND	199	99.5	200	1.68	
DRO >C10-C28*	23.7	10.0	10/01/2020	ND	182	90.9	200	12.1	
EXT DRO >C28-C36	14.5	10.0	10/01/2020	ND					
Surrogate: 1-Chlorooctane	92.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	87.5	% 42.2-15	6						

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Celey D. Keene



Analytical Results For:

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

 Received:
 09/30/2020
 Sampling Date:
 09/29/2020

 Reported:
 10/05/2020
 Sampling Type:
 Soil

Project Name: SANDS 7 FED 1 Sampling Condition: Cool & Intact
Project Number: 700794.363.01 Sample Received By: Yvonne Muniz

Project Location: DEVON ENERGY - EDDY CO NM

Sample ID: S - 4 0-1' R (H002582-06)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2020	ND	2.14	107	2.00	0.547	
Toluene*	<0.050	0.050	10/01/2020	ND	2.07	103	2.00	1.25	
Ethylbenzene*	<0.050	0.050	10/01/2020	ND	2.10	105	2.00	1.56	
Total Xylenes*	<0.150	0.150	10/01/2020	ND	6.13	102	6.00	1.42	
Total BTEX	<0.300	0.300	10/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	10/01/2020	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2020	ND	199	99.5	200	1.68	
DRO >C10-C28*	<10.0	10.0	10/01/2020	ND	182	90.9	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	10/01/2020	ND					
Surrogate: 1-Chlorooctane	97.7	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	92.3	% 42.2-15	6						

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Analytical Results For:

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

Received: 09/30/2020 Sampling Date: 09/29/2020

Reported: Sampling Type: Soil 10/05/2020

Project Name: SANDS 7 FED 1 Sampling Condition: Cool & Intact Sample Received By: Project Number: 700794.363.01 Yvonne Muniz

Project Location: **DEVON ENERGY - EDDY CO NM**

Sample ID: S - 5 0-1' R (H002582-07)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2020	ND	2.14	107	2.00	0.547	
Toluene*	< 0.050	0.050	10/01/2020	ND	2.07	103	2.00	1.25	
Ethylbenzene*	< 0.050	0.050	10/01/2020	ND	2.10	105	2.00	1.56	
Total Xylenes*	<0.150	0.150	10/01/2020	ND	6.13	102	6.00	1.42	
Total BTEX	<0.300	0.300	10/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.69	73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/01/2020	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2020	ND	199	99.5	200	1.68	
DRO >C10-C28*	<10.0	10.0	10/01/2020	ND	182	90.9	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	10/01/2020	ND					
Surrogate: 1-Chlorooctane	92.2 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	87.7 9	6 42.2-15	6						

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Analytical Results For:

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

Received: 09/30/2020 Sampling Date: 09/29/2020

Reported: 10/05/2020 Sampling Type: Soil

Project Name: SANDS 7 FED 1 Sampling Condition: Cool & Intact
Project Number: 700794.363.01 Sample Received By: Yvonne Muniz

Analyzed By: MC

Project Location: DEVON ENERGY - EDDY CO NM

ma/ka

Sample ID: S - 6 0' R (H002582-08)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2020	ND	2.14	107	2.00	0.547	
Toluene*	<0.050	0.050	10/01/2020	ND	2.07	103	2.00	1.25	
Ethylbenzene*	<0.050	0.050	10/01/2020	ND	2.10	105	2.00	1.56	
Total Xylenes*	<0.150	0.150	10/01/2020	ND	6.13	102	6.00	1.42	
Total BTEX	<0.300	0.300	10/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 73.3-12	9						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/01/2020	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2020	ND	199	99.5	200	1.68	
DRO >C10-C28*	38.3	10.0	10/01/2020	ND	182	90.9	200	12.1	
EXT DRO >C28-C36	23.2	10.0	10/01/2020	ND					
Surrogate: 1-Chlorooctane	95.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	91.4	% 42.2-15	6						

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Analytical Results For:

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

Received: 09/30/2020 Sampling Date: 09/29/2020

Reported: Sampling Type: Soil 10/05/2020 Project Name: SANDS 7 FED 1 Sampling Condition:

Cool & Intact Project Number: 700794.363.01 Sample Received By: Yvonne Muniz

Project Location: **DEVON ENERGY - EDDY CO NM**

Sample ID: S - 7 0' R (H002582-09)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2020	ND	2.19	110	2.00	0.301	
Toluene*	<0.050	0.050	10/01/2020	ND	2.11	105	2.00	0.696	
Ethylbenzene*	<0.050	0.050	10/01/2020	ND	2.18	109	2.00	0.947	
Total Xylenes*	<0.150	0.150	10/01/2020	ND	6.38	106	6.00	0.883	
Total BTEX	<0.300	0.300	10/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/01/2020	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2020	ND	199	99.5	200	1.68	
DRO >C10-C28*	<10.0	10.0	10/01/2020	ND	182	90.9	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	10/01/2020	ND					
Surrogate: 1-Chlorooctane	87.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	84.0	% 42.2-15	6						

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Analytical Results For:

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

Received: 09/30/2020 Sampling Date: 09/29/2020 Reported: Sampling Type: Soil 10/05/2020

Project Name: SANDS 7 FED 1 Sampling Condition: Cool & Intact Sample Received By: Project Number: 700794.363.01 Yvonne Muniz

Project Location: **DEVON ENERGY - EDDY CO NM**

Sample ID: BG - 1 0' (H002582-10)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	10/02/2020	ND	2.19	110	2.00	0.301	
Toluene*	< 0.050	0.050	10/02/2020	ND	2.11	105	2.00	0.696	
Ethylbenzene*	< 0.050	0.050	10/02/2020	ND	2.18	109	2.00	0.947	
Total Xylenes*	< 0.150	0.150	10/02/2020	ND	6.38	106	6.00	0.883	
Total BTEX	<0.300	0.300	10/02/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 %	73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11600	16.0	10/01/2020	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2020	ND	204	102	200	1.25	
DRO >C10-C28*	<10.0	10.0	10/01/2020	ND	204	102	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	10/01/2020	ND					
Surrogate: 1-Chlorooctane	89.2 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	84.6	% 42.2-15	6						

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Analytical Results For:

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

Received: 09/30/2020 Sampling Date: 09/29/2020 Reported: Sampling Type: Soil 10/05/2020

Project Name: SANDS 7 FED 1 Sampling Condition: Cool & Intact Sample Received By: Project Number: 700794.363.01 Yvonne Muniz

Project Location: **DEVON ENERGY - EDDY CO NM**

Sample ID: BG - 2 0' (H002582-11)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2020	ND	2.19	110	2.00	0.301	
Toluene*	<0.050	0.050	10/01/2020	ND	2.11	105	2.00	0.696	
Ethylbenzene*	< 0.050	0.050	10/01/2020	ND	2.18	109	2.00	0.947	
Total Xylenes*	< 0.150	0.150	10/01/2020	ND	6.38	106	6.00	0.883	
Total BTEX	<0.300	0.300	10/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 %	73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/01/2020	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2020	ND	204	102	200	1.25	
DRO >C10-C28*	<10.0	10.0	10/01/2020	ND	204	102	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	10/01/2020	ND					
Surrogate: 1-Chlorooctane	93.2 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	90.1 9	% 42.2-15	6						

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Analytical Results For:

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

Received: 09/30/2020 Sampling Date: 09/29/2020 Reported: Sampling Type: Soil 10/05/2020

Project Name: SANDS 7 FED 1 Sampling Condition: Cool & Intact Sample Received By: Project Number: 700794.363.01 Yvonne Muniz

Project Location: **DEVON ENERGY - EDDY CO NM**

Sample ID: BG - 3 0' (H002582-12)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2020	ND	2.19	110	2.00	0.301	
Toluene*	<0.050	0.050	10/01/2020	ND	2.11	105	2.00	0.696	
Ethylbenzene*	<0.050	0.050	10/01/2020	ND	2.18	109	2.00	0.947	
Total Xylenes*	<0.150	0.150	10/01/2020	ND	6.38	106	6.00	0.883	
Total BTEX	<0.300	0.300	10/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 5	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/01/2020	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2020	ND	204	102	200	1.25	
DRO >C10-C28*	<10.0	10.0	10/01/2020	ND	204	102	200	4.35	
EXT DRO >C28-C36	<10.0	10.0	10/01/2020	ND					
Surrogate: 1-Chlorooctane	94.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	91.2	% 42.2-15	6						

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Analytical Results For:

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

Received: 09/30/2020 Sampling Date: 09/29/2020

Reported: 10/05/2020 Sampling Type: Soil

DEVON ENERGY - EDDY CO NM

Project Name: SANDS 7 FED 1 Sampling Condition: Cool & Intact
Project Number: 700794.363.01 Sample Received By: Yvonne Muniz

Sample ID: BG - 4 0' (H002582-13)

Project Location:

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/01/2020	ND	2.19	110	2.00	0.301	
Toluene*	<0.050	0.050	10/01/2020	ND	2.11	105	2.00	0.696	
Ethylbenzene*	<0.050	0.050	10/01/2020	ND	2.18	109	2.00	0.947	
Total Xylenes*	<0.150	0.150	10/01/2020	ND	6.38	106	6.00	0.883	
Total BTEX	<0.300	0.300	10/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/01/2020	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/01/2020	ND	204	102	200	1.25	
DRO >C10-C28*	45.8	10.0	10/01/2020	ND	204	102	200	4.35	
EXT DRO >C28-C36	33.3	10.0	10/01/2020	ND					
Surrogate: 1-Chlorooctane	90.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	89.4	% 42.2-15	6						

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Notes and Definitions

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

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CARDINAL

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: This is to be	
Project Manager: R. Pons	
Address: 408 W Truck And	- 1
	Company: DEVON
*: 57C-781 -0-1 0	Attn: TOM BYNUM
	Address:
Project %: 160794. 363.01 Project Owner: DEVON ENERGY	City:
	Zin:
Project Location: EDDY COUNTY	##·
Sampler Name: MICHAEL COLLER	7
THE COUNTY	
MP.	PRESERV. SAMPLING
	DL.
CONT. ROUN WASTEV OIL IL LUDGE	3TE
V S	A ICO
25-20-1	7.00 / /
3 S-2 2'R	12:25
4 5-3 0-1'	12,30
S 5-3 1.5'R	12:10
6 5-4 0-1'3	12,15
7 5-5 0.1.8	12;40
	1,000
5-7 0	01:10
B6-1	1:15
**NEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount and by the contract or tort, shall be limited to the amount and by the contract or tort, shall be limited to the amount and by the contract or tort, shall be limited to the amount and by the contract or tort, shall be limited to the amount and by the contract or tort, shall be limited to the amount and by the contract or tort, shall be limited to the amount and by the contract or tort, shall be limited to the amount and by the contract or tort, shall be limited to the amount and by the contract or tort, shall be limited to the amount and by the contract or tort, shall be limited to the amount and by the contract or tort, shall be limited to the amount and by the contract or tort, shall be limited to the amount and by the contract or tort, shall be limited to the amount and by the contract or tort, shall be limited to the amount and by the contract or tort, shall be limited to the amount and by the contract or tort, shall be limited to the amount and by the contract or tort, shall be limited to the amount and by the contract or tort, shall be limited to the amount and by the contract or tort, shall be limited to the contract or tort.	iort, shall be imited to the amount sould be the first
erVice. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business instellar uniforms, loss of use, or loss of profits incurred by client its subsidiaries or successors arising out of or related to the performance of services hereurger by Cardinal values interruptions, loss of use, or loss of profits incurred by client its subsidiaries.	ceived by Cardinal within 30 days after completion for the applicable of use, or loss of profits incurred by client, its subsidiaries.
Cellinquished By: Date (y / 3 / 1) Received By:	
M- Time: 29	A A A A No No Add'l Phone #:
Received by:	The three ways
Delivered By: (Circle One) Sample Condition	CHECKED BY.
Sampler - UPS - Bus - Other: 3.9 #1/3 Pres Pres	
† Cardinal cannot accept verbal changes. Please fav written change to	16 1069
changes to (575) 393-2326	

CARDINAL

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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	No No	† Cardinal cannot accord worked the
	-	<i>y</i> 0
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ult:	Prione Result: Fax Result: REMARKS:	
	Bate: Received By:	Reaction By:
the re applicable	waived unless made in writing and received by Cardinal within 30 days after completion of limitation, business interruptions, loss of use, or loss of notice incompletion of	affiliates or successors arising out of or related to the performance of services having and for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of revent having a possible to the performance of services have indeed in t
	arising whether based in contract or tort, shall be limited in the amount of the shall be limited in the shall be limi	analyses. All claims including those for negligence and any other cause whatscower chall be account of the contract or tort, shall be limited to the contract or tort.
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< 2)	12:1 Op -14:1	165 3 0°
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СН	INERS WATEF ATER	Lab I.D. Sample I.D.
100		MP
R	SERV	
100	Fax #:	FOR LAB USE ONLY
E	Phone #:	Sampler Name: All Could's
5	State: Zip:	3
		Project Name: SANOS 7 FED I
	Project Owner: DEDON FAMEL City	3.01
		Fax *:
	Zip: 88210 Attn: Ton By	State: NM
	Company: () Euo A)	City: Norce ICKN MVE
CINCLINIO REQUEST	P.O. #: 20 8 906 33	Address: 408 kg Texas A.
и		Project Manager: K. Pon S
		THON CAE
		Company Name: 7



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

November 20, 2020

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

RE: Sand 7 Fed 1 OrderNo.: 2011762

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 3 sample(s) on 11/14/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

andel

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2011762

Date Reported: 11/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia Client Sample ID: S-1 0.5'

 Project:
 Sand 7 Fed 1
 Collection Date: 11/13/2020 8:43:00 AM

 Lab ID:
 2011762-001
 Matrix: SOIL
 Received Date: 11/14/2020 7:37:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: VP
Chloride	99	60		mg/Kg	20	11/18/2020 3:33:50 PM	56558
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Analyst	BRM
Diesel Range Organics (DRO)	340	95		mg/Kg	10	11/18/2020 2:53:47 AM	56467
Motor Oil Range Organics (MRO)	860	480		mg/Kg	10	11/18/2020 2:53:47 AM	56467
Surr: DNOP	0	30.4-154	S	%Rec	10	11/18/2020 2:53:47 AM	56467
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: NSB
Gasoline Range Organics (GRO)	ND	24	D	mg/Kg	5	11/19/2020 5:10:03 AM	56468
Surr: BFB	92.9	75.3-105	D	%Rec	5	11/19/2020 5:10:03 AM	56468
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.12	D	mg/Kg	5	11/18/2020 2:24:01 AM	56468
Toluene	ND	0.24	D	mg/Kg	5	11/18/2020 2:24:01 AM	56468
Ethylbenzene	ND	0.24	D	mg/Kg	5	11/18/2020 2:24:01 AM	56468
Xylenes, Total	ND	0.49	D	mg/Kg	5	11/18/2020 2:24:01 AM	56468
Surr: 4-Bromofluorobenzene	95.1	80-120	D	%Rec	5	11/18/2020 2:24:01 AM	56468

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

Qualifiers:

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

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

Page 1 of 9

Analytical Report

Lab Order **2011762**Date Reported: **11/20/2020**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia Client Sample ID: S-3 0.5'

 Project:
 Sand 7 Fed 1
 Collection Date: 11/13/2020 8:40:00 AM

 Lab ID:
 2011762-002
 Matrix: SOIL
 Received Date: 11/14/2020 7:37:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: VP
Chloride	250	60		mg/Kg	20	11/18/2020 3:46:14 PM	56558
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Analyst	BRM
Diesel Range Organics (DRO)	160	93		mg/Kg	10	11/18/2020 3:17:42 AM	56467
Motor Oil Range Organics (MRO)	660	460		mg/Kg	10	11/18/2020 3:17:42 AM	56467
Surr: DNOP	0	30.4-154	S	%Rec	10	11/18/2020 3:17:42 AM	56467
EPA METHOD 8015D: GASOLINE RANGE						Analyst	NSB
Gasoline Range Organics (GRO)	ND	25	D	mg/Kg	5	11/19/2020 11:41:30 AM	Л 56468
Surr: BFB	90.4	75.3-105	D	%Rec	5	11/19/2020 11:41:30 AM	Л 56468
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.12	D	mg/Kg	5	11/18/2020 2:47:22 AM	56468
Toluene	ND	0.25	D	mg/Kg	5	11/18/2020 2:47:22 AM	56468
Ethylbenzene	ND	0.25	D	mg/Kg	5	11/18/2020 2:47:22 AM	56468
Xylenes, Total	ND	0.50	D	mg/Kg	5	11/18/2020 2:47:22 AM	56468
Surr: 4-Bromofluorobenzene	96.0	80-120	D	%Rec	5	11/18/2020 2:47:22 AM	56468

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

Qualifiers:

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

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

Page 2 of 9

Analytical Report

Lab Order 2011762

Date Reported: 11/20/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia Client Sample ID: BG-1 0.5'

 Project:
 Sand 7 Fed 1
 Collection Date: 11/13/2020 8:46:00 AM

 Lab ID:
 2011762-003
 Matrix: SOIL
 Received Date: 11/14/2020 7:37:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed Batch
EPA METHOD 300.0: ANIONS					Analyst: VP
Chloride	1000	60	mg/Kg	20	11/18/2020 3:58:38 PM 56558
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: mb
Diesel Range Organics (DRO)	210	9.6	mg/Kg	1	11/18/2020 11:35:50 AM 56505
Motor Oil Range Organics (MRO)	300	48	mg/Kg	1	11/18/2020 11:35:50 AM 56505
Surr: DNOP	111	30.4-154	%Rec	1	11/18/2020 11:35:50 AM 56505
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	11/19/2020 12:05:08 PM 56468
Surr: BFB	88.9	75.3-105	%Rec	1	11/19/2020 12:05:08 PM 56468
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.025	mg/Kg	1	11/18/2020 3:10:43 AM 56468
Toluene	ND	0.049	mg/Kg	1	11/18/2020 3:10:43 AM 56468
Ethylbenzene	ND	0.049	mg/Kg	1	11/18/2020 3:10:43 AM 56468
Xylenes, Total	ND	0.098	mg/Kg	1	11/18/2020 3:10:43 AM 56468
Surr: 4-Bromofluorobenzene	94.6	80-120	%Rec	1	11/18/2020 3:10:43 AM 56468

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

Qualifiers:

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

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

Page 3 of 9

Hall Environmental Analysis Laboratory, Inc.

WO#: **2011762**

20-Nov-20

Client: Talon Artesia
Project: Sand 7 Fed 1

Sample ID: MB-56558 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 56558 RunNo: 73446

Prep Date: 11/18/2020 Analysis Date: 11/18/2020 SeqNo: 2587359 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 1.5

Sample ID: LCS-56558 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 56558 RunNo: 73446

Prep Date: 11/18/2020 Analysis Date: 11/18/2020 SeqNo: 2587360 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 14 1.5 15.00 0 94.2 90 110

Qualifiers:

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

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

Page 4 of 9

Talon Artesia

Client:

Hall Environmental Analysis Laboratory, Inc.

WO#: **2011762**

20-Nov-20

Project: Sand 7 I	Fed 1		
Sample ID: LCS-56505	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 56505	RunNo: 73426	
Prep Date: 11/17/2020	Analysis Date: 11/17/2020	SeqNo: 2585499	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	47 10 50.00	0 94.1 70	130
Surr: DNOP	4.6 5.000	92.2 30.4	154
Sample ID: MB-56505	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 56505	RunNo: 73426	
Prep Date: 11/17/2020	Analysis Date: 11/17/2020	SeqNo: 2585500	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	9.7 10.00	96.7 30.4	154
Sample ID: LCS-56467	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 56467	RunNo: 73413	
Prep Date: 11/16/2020	Analysis Date: 11/17/2020	SeqNo: 2586231	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	48 10 50.00	0 95.5 70	130
Surr: DNOP	2.2 5.000	43.0 30.4	154
Sample ID: MB-56467	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 56467	RunNo: 73413	
Prep Date: 11/16/2020	Analysis Date: 11/17/2020	SeqNo: 2586232	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	5.6 10.00	56.2 30.4	154
Sample ID: MB-56518	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 56518	RunNo: 73443	
Prep Date: 11/18/2020	Analysis Date: 11/18/2020	SeqNo: 2586506	Units: %Rec

Qualifiers:

Analyte

Surr: DNOP

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

B Analyte detected in the associated Method Blank

103

LowLimit

30.4

HighLimit

154

%RPD

RPDLimit

Qual

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

SPK value SPK Ref Val %REC

10.00

Page 5 of 9

Result

10

Hall Environmental Analysis Laboratory, Inc.

WO#: **2011762**

20-Nov-20

Client: Talon Artesia
Project: Sand 7 Fed 1

Sample ID: LCS-56518 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 56518 RunNo: 73443

Prep Date: 11/18/2020 Analysis Date: 11/18/2020 SegNo: 2586507 Units: %Rec

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Surr: DNOP 4.9 5.000 97.0 30.4 154

Sample ID: 2011762-003AMS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: **BG-1 0.5'** Batch ID: **56505** RunNo: **73443**

Prep Date: 11/17/2020 Analysis Date: 11/18/2020 SeqNo: 2586586 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Diesel Range Organics (DRO) 240 9.4 46.95 209.5 57.2 15 184 Surr: DNOP 6.3 4.695 134 30.4 154

Sample ID: 2011762-003AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: **BG-1 0.5'** Batch ID: **56505** RunNo: **73443**

Prep Date: 11/17/2020 Analysis Date: 11/18/2020 SeqNo: 2586587 Units: mg/Kg

Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 220 9.6 47.89 209.5 29.3 15 184 5.58 23.9 Surr: DNOP 6.3 4.789 131 30.4 154 0 0

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 6 of 9

Hall Environmental Analysis Laboratory, Inc.

WO#: **2011762**

20-Nov-20

Client: Talon Artesia
Project: Sand 7 Fed 1

Sample ID: mb-56468 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 56468 RunNo: 73411

Prep Date: 11/16/2020 Analysis Date: 11/17/2020 SeqNo: 2585443 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 890 1000 88.8 75.3 105

Sample ID: Ics-56468 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 56468 RunNo: 73411

Prep Date: 11/16/2020 Analysis Date: 11/17/2020 SeqNo: 2585444 Units: mg/Kg

Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDI imit Qual Gasoline Range Organics (GRO) 5.0 25.00 n 91.3 72.5 106 Surr: BFB 1000 1000 101 75.3 105

Sample ID: MB-56503 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 56503 RunNo: 73447

Prep Date: 11/17/2020 Analysis Date: 11/19/2020 SeqNo: 2586929 Units: %Rec

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Surr: BFB 930 1000 92.7 75.3 105

Sample ID: Ics-56503 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 56503 RunNo: 73447

Prep Date: 11/17/2020 Analysis Date: 11/19/2020 SeqNo: 2586930 Units: %Rec

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Surr: BFB 1000 1000 104 75.3 105

Sample ID: mb-56536 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 56536 RunNo: 73491

Prep Date: 11/18/2020 Analysis Date: 11/19/2020 SeqNo: 2588062 Units: %Rec

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

 Surr: BFB
 920
 1000
 91.9
 75.3
 105

Sample ID: Ics-56536 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 56536 RunNo: 73491

Prep Date: 11/18/2020 Analysis Date: 11/19/2020 SeqNo: 2588063 Units: %Rec

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Surr: BFB 1000 1000 100 75.3 105

Qualifiers:

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

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

Page 7 of 9

Hall Environmental Analysis Laboratory, Inc.

Result

1.0

WO#: 2011762

20-Nov-20

Client: Talon Artesia **Project:** Sand 7 Fed 1

Sample ID: mb-56468	SampT	уре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batcl	h ID: 56 4	468	F	RunNo: 7 3	3411				
Prep Date: 11/16/2020	Analysis D	Date: 1 1	1/17/2020	8	SeqNo: 2	585459	Units: mg/K	g		
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	0.96		1.000		95.5	80	120			
Sample ID: LCS-56468	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batcl	h ID: 56 4	468	F	RunNo: 7 :	3411				
Prep Date: 11/16/2020	Analysis D	Date: 1 1	1/17/2020	5	SeqNo: 2	585460	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.2	80	120			
Toluene	0.95	0.050	1.000	0	95.0	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.0	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.1	80	120			
Surr: 4-Bromofluorobenzene	0.98		1.000		98.0	80	120			
Sample ID: LCS-56503	SampT	ype: LC	s	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batcl	h ID: 56	503	F	RunNo: 7 :	3447				
Prep Date: 11/17/2020	Analysis D	Date: 1 1	1/19/2020	5	SeqNo: 2	586977	Units: %Red			

Sample ID: MB-56503	SampTy	pe: MBI	LK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch I	ID: 565	03	F	RunNo: 7	3447				
Prep Date: 11/17/2020	Analysis Da	ite: 11/	19/2020	S	SeqNo: 2	586993	Units: %Red	;		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		100	80	120			

LowLimit

80

101

HighLimit

120

%RPD

RPDLimit

Qual

SPK value SPK Ref Val %REC

1.000

Sample ID: mb-56536	SampTyp	pe: MBL l	<	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch I	D: 5653 6	6	F	RunNo: 7 :	3491				
Prep Date: 11/18/2020	Analysis Dat	te: 11/1	9/2020	8	SeqNo: 2	588108	Units: %Red	:		
Analyte	Result	PQL S	PK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.98		1.000		98.2	80	120			

Qualifiers:

Analyte

Surr: 4-Bromofluorobenzene

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

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

Page 8 of 9

Hall Environmental Analysis Laboratory, Inc.

WO#: **2011762**

20-Nov-20

Client: Talon Artesia
Project: Sand 7 Fed 1

Sample ID: LCS-56536 SampType: LCS TestCode: EPA Method 8021B: Volatiles

Client ID: LCSS Batch ID: 56536 RunNo: 73491

Prep Date: 11/18/2020 Analysis Date: 11/19/2020 SeqNo: 2588109 Units: %Rec

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

 Surr: 4-Bromofluorobenzene
 0.98
 1.000
 97.9
 80
 120

Qualifiers:

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

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

Page 9 of 9



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: Talon Artesia Work Order Number: 2011762 RcptNo: 1 Received By: Juan Rojas 11/14/2020 7:37:00 AM Completed By: Juan Rojas 11/14/2020 8:14:10 AM 11/14/2020 Reviewed By: Chain of Custody No 🗌 1. Is Chain of Custody complete? Yes 🗸 Not Present 2. How was the sample delivered? Courier Log In 3. Was an attempt made to cool the samples? No 🗌 Yes 🗸 NA 4. Were all samples received at a temperature of >0° C to 6.0°C NA 🗌 Yes 🗸 5. Sample(s) in proper container(s)? Yes 🗸 No 🗌 6. Sufficient sample volume for indicated test(s)? Yes V 7. Are samples (except VOA and ONG) properly preserved? Yes 🗸 No 8. Was preservative added to bottles? No 🗸 NA 🗌 Yes 9. Received at least 1 vial with headspace <1/4" for AQ VOA? No 🗌 NA V Yes 10. Were any sample containers received broken? Yes No 🗸 # of preserved bottles checked 11. Does paperwork match bottle labels? Yes 🗸 No 🗌 for pH: (Note discrepancies on chain of custody) (<2 or >12 unless noted) Adjusted? 12. Are matrices correctly identified on Chain of Custody? Yes V No Yes 🗸 13. Is it clear what analyses were requested? No Checked by: JR 11/14/ 14. Were all holding times able to be met? Yes 🗸 No (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes No NA 🗸 Person Notified: Date By Whom: eMail Phone Fax In Person Via: Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By 1 0.1 Good 2 0.6 Good

Received by OCD	: 1/8/	2021	<i>10</i> :	:36:	07 AM					П		П				T	Т				Page	e 95 of	104
HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109		Analysis Request	†OS	SMIS	(1.1) D\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	10 or sla 20 or contract of the contract of th	e83 BeM HeM (AC	EDB (Me RCRA 8 8260 (VC 8270 (Se Total Col	7											BILL TO DEVON ENERLY	308906.33	sub-contracted data will be clearly notated on the analytical report.
	1901	Tel.					50%	000 000	108:H9T 899 1808	\			-	+	_	_	+	+	+	-	emarks: DIRECT	#	ty. An
	7		_						BTEX / I	7							-				Remarks: DIREC	10/20 #	oosibili
Turn-Around Time: ノーカタッ 文 Standard □ Rush Project Name:	SAND T FED#1		700794, 363,01	Project Manager:	R Pous	Sampler: M	On Ice: ATTes INO	Cooler Templifier CFI: 10 1 - 0 = 0 · 1 (°C)	tive Collaboration			-003									Marca 1/13/30 13/10	Received by: Via: 1 Date Lime	oratories. This serves as
Chain-of-Custody Record	Bing Address: 408 W. TEXAS AVE.	ARTESIA, NM 88210	20 Phone #: 575- 746- 8768		Standard Level 4 (Full Validation)	☐ Az Con	□ NELAC □ Other		Date Time Matrix Sample Name	11-13-20 8:43 501L 5-1 0.51	8:40 5-3 0.5	15.0 1-25.									Date: Time: Relinquished by:	Date: Time: Relinquished by:	If necessary, samples submitted to Hall Environmental may be su



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

December 16, 2020

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

RE: Sand 7 Fed 1 OrderNo.: 2012523

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 1 sample(s) on 12/10/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

andel

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report Lab Order 2012523

Date Reported: 12/16/2020

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia Client Sample ID: SSW-COMP

 Project:
 Sand 7 Fed 1
 Collection Date: 12/8/2020 12:30:00 PM

 Lab ID:
 2012523-001
 Matrix: SOIL
 Received Date: 12/10/2020 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	VP
Chloride	240	61	mg/Kg	20	12/13/2020 9:54:04 PM	56964
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst:	BRM
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	12/11/2020 1:51:42 PM	56913
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	12/11/2020 1:51:42 PM	56913
Surr: DNOP	134	30.4-154	%Rec	1	12/11/2020 1:51:42 PM	56913
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	12/12/2020 8:35:20 PM	56906
Surr: BFB	90.0	75.3-105	%Rec	1	12/12/2020 8:35:20 PM	56906
EPA METHOD 8021B: VOLATILES					Analyst:	RAA
Benzene	ND	0.025	mg/Kg	1	12/12/2020 8:35:20 PM	56906
Toluene	ND	0.050	mg/Kg	1	12/12/2020 8:35:20 PM	56906
Ethylbenzene	ND	0.050	mg/Kg	1	12/12/2020 8:35:20 PM	56906
Xylenes, Total	ND	0.10	mg/Kg	1	12/12/2020 8:35:20 PM	56906
Surr: 4-Bromofluorobenzene	88.5	80-120	%Rec	1	12/12/2020 8:35:20 PM	56906

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

Qualifiers:

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

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

Page 1 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: **2012523**

16-Dec-20

Client: Talon Artesia
Project: Sand 7 Fed 1

Sample ID: MB-56964 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 56964 RunNo: 73975

Prep Date: 12/13/2020 Analysis Date: 12/13/2020 SeqNo: 2609319 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride ND 1.5

Sample ID: LCS-56964 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 56964 RunNo: 73975

Prep Date: 12/13/2020 Analysis Date: 12/13/2020 SeqNo: 2609320 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Chloride 14 1.5 15.00 0 92.9 90 110

Qualifiers:

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

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

Page 2 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: **2012523**

16-Dec-20

Client: Talon Artesia
Project: Sand 7 Fed 1

Sample ID: MB-56913 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 56913 RunNo: 73941

Prep Date: 12/10/2020 Analysis Date: 12/11/2020 SeqNo: 2608563 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

Diesel Range Organics (DRO) ND 10

Motor Oil Range Organics (MRO) ND 50

Surr: DNOP 10 10.00 101 30.4 154

Sample ID: LCS-56913 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 56913 RunNo: 73974

Prep Date: 12/10/2020 Analysis Date: 12/12/2020 SeqNo: 2609395 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO) 56 10 50.00 0 112 70 130

 Diesel Range Organics (DRO)
 56
 10
 50.00
 0
 112
 70
 130

 Surr: DNOP
 5.1
 5.000
 101
 30.4
 154

Qualifiers:

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

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

Page 3 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: **2012523 16-Dec-20**

Client: Talon Artesia
Project: Sand 7 Fed 1

Sample ID: Ics-56906 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 56906 RunNo: 73970

Prep Date: 12/10/2020 Analysis Date: 12/12/2020 SeqNo: 2609029 Units: mg/Kg

Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 5.0 25.00 0 93.8 72.5 23 106

Surr: BFB 990 1000 99.2 75.3 105

Sample ID: mb-56906 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 56906 RunNo: 73970

Prep Date: 12/10/2020 Analysis Date: 12/12/2020 SeqNo: 2609031 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 880 1000 87.7 75.3 105

Qualifiers:

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

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

Page 4 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: **2012523**

16-Dec-20

Client: Talon Artesia
Project: Sand 7 Fed 1

Sample ID: LCS-56906	SampT	Type: LC	s	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Batcl	h ID: 56 9	906	F	RunNo: 7	3970				
Prep Date: 12/10/2020	Analysis D	Date: 12	2/12/2020	8	SeqNo: 2	609081	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	93.9	80	120			
Toluene	0.98	0.050	1.000	0	97.8	80	120			
Ethylbenzene	0.96	0.050	1.000	0	96.3	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.1	80	120			
Surr: 4-Bromofluorobenzene	0.90		1.000		90.1	80	120			

Sample ID: mb-56906	Samp	ype: M	BLK	les	tCode: E	PA Method	8021B: Volat	iles		
Client ID: PBS	Batc	h ID: 56	906	F	RunNo: 7	3970				
Prep Date: 12/10/2020	Analysis [Date: 12	2/12/2020	8	SeqNo: 2	609083	Units: mg/K	(g		
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	0.88		1.000		88.1	80	120			

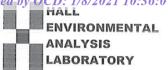
Qualifiers:

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

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

Page 5 of 5

Received by OCD: 1/8/2021 10:36:07 AM



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name:	Talon Arte	sia	Work Order N	lumber: 20	12523		RcptNo:	1
Received By:	Scott And	derson	12/10/2020 8:00	0:00 AM				
Completed By:	Desiree D	Dominguez	12/10/2020 9:1	1:25 AM		TPS		
Reviewed By:	SGL 1	2/10/28						
Chain of Cus	stod <u>y</u>							
1. Is Chain of C	Custody comp	olete?		Ye	s 🗸	No 🗌	Not Present	
2. How was the	e sample deli	vered?		Co	ourier			
Log In								
3. Was an atter	mpt made to	cool the sampl	es?	Ye	s 🗸	No 📙	NA 🗌	
4. Were all sam	ples received	d at a temperat	ure of >0° C to 6.0°C	Ye	s 🗸	No 🗌	NA 🗌	
5. Sample(s) in	proper conta	iner(s)?		Ye	s 🗸	No 🗌		
6. Sufficient sar	mple volume i	for indicated te	st(s)?	Yes	s v	No 🗌		
7. Are samples	(except VOA	and ONG) pro	perly preserved?	Yes	V	No 🗌		
8. Was preserva	ative added to	bottles?		Yes	s 🗌	No 🗸	NA 🗆	
9. Received at le	east 1 vial wit	th headspace	<1/4" for AQ VOA?	Yes	s 🗌	No 🗌	NA 🗸	e2
10. Were any sa	mple contain	ers received br	oken?	Ye	s	No 🗸	# of preserved	
11. Does paperw (Note discrep		ttle labels? ain of custody)		Yes	s V	No 🗌	bottles checked for pH:	12 unless noted)
12. Are matrices	correctly iden	ntified on Chair	of Custody?	Yes	V	No 🗌	Adjusted?	
13. Is it clear wha				Yes	V	No 🗌	/	0 01.0100
14. Were all hold (If no, notify o				Yes	V	No 🗆	Checked by: \int	K 12/10/20
Special Hand	ling (if app	olicable)						
15. Was client no	otified of all d	iscrepancies w	ith this order?	Ye	s 🗌	No 🗌	NA 🗸	
Person	Notified:	The second secon	D	ate:		THE RESERVE THE PROPERTY OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO		
By Wh	om:	Γ	Vi	ia: el	Mail [Phone Fax	In Person	
Regard	ling: nstructions:						Market and the second second second second second	
16. Additional re		I						
 Cooler Information Cooler No 	A Property Company of the	Condition	Seal Intact Seal N	o Seal	Date	Signed By	1	
1	0.7	Good		- Cour		Olgilou Dy		
2	0.1	Good					1	

ALMINOCATVAR LAH	The same	www.hallenvironmental.com	光/ 4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107	O / Analysis Request	†O!	PO₄, S	S808\; (1.40) (1.40) (1.40) (2.40) (2.40)	GR ides ides ides icos icos	estic ethocethor We Tr, NOA)	3.6 ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕ ⊕	7					Time Remarks: Please cc the following via email: Dadkins@talonlbe.com	Rpons@talonlpe.com Bsinclair@talonlpe.com	Wo WWWW ~ 10.3 or ~ 10.10 . Or
Turn-Around Time:	□ Standard ☑ Rush ← Mu	Project Name:	Sand 7 Long	Project #;	700794.3103.0	Project Manager:	Rebecca Pons	Sampler: // SITE	olers: 2 (*) 5 See 1	(including CF).	Container Preservative 2012523	Aug. Of le -001					Received by: Via: Date Tin	by: Via: Date T	ontacted to other accredited laboratories. This serves as no
Custody Record	Client: Talon LPE	408 W Texas St	Mailing Address: Artesia, NM 88210		Phone #: 575-441-0980	email or Fax#: (575) 746-8905	QA/QC Package: □ Standard □ Level 4 (Full Validation)	1: ☐ Az Compliance	(ac)		Date Time Matrix Sample Name	55W- Cons					Date: Time: Relinquished by:	6	Francescar, complex enhanted to Hall Environmental may be subor

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

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

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

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

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

CONDITIONS

Action 14272

CONDITIONS

Operator:	OGRID:
Talon LPE	329944
408 W Texas	Action Number:
Artesia, NM 88210	14272
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Create By		Condition Date
bha	I None	1/24/2023