Raybaw Operating, LLC. 2626 Cole Ave., Suite 300 Dallas, TX 75204 214-800-2301

July 12, 2023

NMOCD District 1 1625 N French Dr. Hobbs, NM, 88240

RE: Site Assessment, Remediation, and Variance Request Chimayo 16 State #003 API No. 30-015-38105 GPS: Latitude 32.1329002 Longitude -103.9933624 UL "F", Section 16, Township 25S, Range 29E, Eddy County, NM NMOCD Reference No. NAB1532742191

Raybaw Operating, LLC (Raybaw) has contracted Pima Environmental Services, LLC (Pima) to perform a site assessment, remediation, and prepare this variance request for a produced water release that happened at the Chimayo 16 State #003 (Chimayo). An initial C-141 was submitted on November 20, 2015, and can be found in Appendix C. This incident was assigned Incident ID NAB1532742191, by the New Mexico Oil Conservation Division (NMOCD).

Site Information and Site Characterization

The Chimayo is located approximately eight (8) miles southeast of Malaga, NM. This spill site is in Unit F, Section 16, Township 25S, Range 29E, Latitude 32.1329002 Longitude -103.9933624, Eddy County, NM. A Location Map can be found in Figure 1.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology in this area is made up of older alluvial deposits of upland plains, piedmont areas, calcic soils, eolian cover sediments of High Plains region. Includes scattered lacustrine, playa, and alluvial deposits of the Tahoka, Double Tanks, Tule, Blanco, Blackwater Draw, and Gatuna Formations, the latter of which may be Pliocene at base; outcrops, however, are basically of Quaternary deposits. The soil in this area is made up of Pajarito-Dune land complex, 0 to 3 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are well drained. There is a medium potential for karst geology to be present around the Chimayo (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 60 feet below grade surface (BGS). According to the United States Geological Survey well water data, depth to the nearest groundwater in this area is 140 feet BGS. See Appendix A for referenced water surveys.

	Table 1	NMAC and Closure Crit	teria 19.15.29		
Depth to Groundwater		Cons	stituent & Limits		
(Appendix A)	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50'	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg
51-100′	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
>100'	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg

Reference Figure 2 for a Topographic Map.

Release Information

NAB1532742191: On November 18, 2015, Sump tank overfilled bad check valve, bad check valve allowed produced water from the charge pump to flow back into the sump tank. Isolated the tank by closing the valves upstream and downstream of sump tank. 7 BBL of produced water released on a 30 x 50 area all on pad, 7 BBL of produced water recovered. A vacuum truck was already on location. An environmental agency will be called out for remediation.

Site Assessment and Liner Inspection

On July 23, 2020, Talon/LPE mobilized personnel to perform a site assessment and collect soil samples. Grab soil samples were collected within and around the impacted area utilizing a hand auger. Further sampling took place in September in conjunction with remediation, utilizing first a backhoe and then an excavator due to the hard rock refusal experienced at approximately 2' BGS. Sampling continued into October both to guide further excavation and to delineate the site. The laboratory results from these sampling events can be found in the data tables on pages 4 - 6 of this report. A Corrected Site Map can be found in Figure 4.

Remediation Activities

On November 17, 2020, Talon/LPE personnel mobilized an air rotary drilling unit to the site to install a borehole to prove the absence of ground water at this location. The hole was drilled at sample point S-2 and advanced to approximately 51' BGS. This was left for over 72 hours. A water level indicator was then utilized to verify the absence of ground water. The Drilling Log for this event can be found in Figure 5.

In November of 2020, Talon/LPE mobilized personnel and equipment to begin remediation activities. The impacted areas in the vicinity of sample locations S-8 and S-11 were excavated to a depth of 4-feet BGS where hard rock refusal was encountered. After the borehole was installed, and the absence of ground water was verified, the remaining impacted areas on the well pad were excavated to a depth of 2-feet BGS. Confirmation samples were obtained from the sidewalls and bottoms of the excavated areas to verify that all contaminants above closure criteria had been removed. All the excavated material was hauled to Lea Land, LLC., an NMOCD-approved solid waste disposal facility. The excavated area was backfilled with new caliche, machine compacted and contoured to match the surrounding location. Photographic Documentation can be found in Appendix D.

Countermeasures due to previously rejected Closure Request

Correct laboratory reports have been collected and included in this report. The site map and data tables were corrected and clarified. The GPS coordinates for the soil boring at the S-2 location has been corrected on the drilling log. To correct the absence of confirmation samples, Raybaw would like to submit the following reclaim proposal and variance request.

Reclaim Proposal and Variance Request

This SWD well has been plugged and the reclamation process has recently begun. Raybaw proposes to address the spill areas by:

- 1. Begin excavating the top 2' of soil from the previously backfilled spill area.
- 2. Pima personnel will field screen for contaminants as the soil is excavated. If any contaminated soil is encountered, it will be loaded up and transported to an NMOCD-approved, lined disposal facility.
- 3. Stockpile clean soil on site for future use.
- 4. Begin excavating the next 1' of soil from the spill area.
- 5. Field screen for contaminants as the soil is excavated. If any contaminated soil is encountered, it will be disposed of.
- 6. Stockpile clean soil on site for future use.
- 7. Begin field screening other areas on the pad. (i.e. where secondary containment was, where equipment was, etc.) If any contaminated soil is encountered, it will be disposed of.
- 8. Begin excavating the next 1' of soil from the spill area.
- 9. Field screen for contaminants as the soil is excavated. If any contaminated soil is encountered, it will be disposed of.
- 10. Stockpile clean soil on site for future use.
- 11. Field screen the base and sidewalls of the excavation, which is now at a depth of 4' bgs, for contaminants to verify the soil will meet the reclamation standards in 19.15.29.13 NMAC.
- 12. Send a 48-hour notification for confirmation sampling via email to OCD Online.
- 13. Officially collect confirmation samples from the base and sidewalls of the excavation and deliver to an NMOCD-approved laboratory.
- 14. Upon receipt of official lab results verifying samples have met the reclamation standards, the entire pad reclamation will be completed.
- 15. The stockpiled, clean material on site will be used to backfill the 1' 4' bgs area.
- 16. Fresh, natural, clean topsoil will be brought in from a nearby pit to backfill the top 1' area.

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- 17. The entire pad area will be machine-compacted and contoured to match the surrounding terrain.
- 18. During the appropriate season, the entire area will be reseeded with an approved seed mixture.

Based on the large area associated with the Chimayo releases, nAB1532742191 & nAB1728637411, Raybaw would like to request a variance regarding the number of 5-point composite confirmation samples required for closure. The current release area is approximately 23,200 feet squared, requiring 116 confirmation base samples and 9 confirmation sidewall samples, following the 200 square foot rule. We believe we can obtain an accurate representation of the remediated area by collecting 5-point composite confirmation is encountered, the number of required samples will be adjusted to maintain representation of every 500 square feet. Maps and data will be adjusted to accurately reflect the field information. A Variance Request Map is included as Figure 6. A Written Demonstration of Equal Protection can be found in Figure 7.

Upon completion of this scope of work and confirmation sampling event, a full revised closure report and closure request will be submitted, documenting remediation/reclamation activities and results of confirmation soil samples.

For questions or additional information, please feel free to contact: Raybaw Operating – Nancy Winn – 281-793-5452 or <u>nwinn@sbcglobal.net</u>. Pima Environmental – Tom Bynum – 580-748-1613 or <u>tom@pimaoil.com</u>.

Attachments

Figures:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Corrected Site Map
- 5- Drilling Log
- 6- Variance Request Map
- 7- Written Demonstration of Equal Protection

Appendices:

- Appendix A Referenced Water Surveys
- Appendix B Soil Survey and Geological Data
- Appendix C C-141 Form
- Appendix D Photographic Documentation
- Appendix E Laboratory Reports

NMOCD -	NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')							
	Raybaw Operating - Chimayo 16 State #3							
Date: 7-23-20	Date: 7-23-20 NM Approved Laboratory Results							
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S-1 0'R	Surface	ND	ND	ND	ND	ND	0	300
S-2 0'R	Surface	ND	ND	ND	<mark>61</mark>	320	381	22000
S-3 0'R	Surface	ND	ND	ND	10	66	76	24000
S-4 0'R	Surface	ND	ND	ND	30	190	220	9900
S-5 0'R	Surface	ND	ND	ND	84	280	364	25000
S-6 0'R	Surface	ND	ND	ND	17	91	108	510
S-7 0'R	Surface	ND	ND	ND	34	47	81	2700
S-8 0'R	Surface	ND	ND	ND	36	130	166	42000
S-9 0'R	Surface	ND	ND	ND	68	470	538	1300
BG-1 0'	Surface	ND	ND	ND	ND	ND	0	3300
BG-2 0'	Surface	ND	ND	ND	ND	ND	0	390
BG-3 0'	Surface	ND	ND	ND	ND	ND	0	1400
BG-4 0'	Surface	ND	ND	ND	ND	ND	0	29000

NMOCD T	NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')						.00')	
	Raybaw Operating - Chimayo 16 State #3							
Date: 9-1-20			N	IM Appro	ved Labor	atory Re	sults	
Sample ID	Depth	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl
	(BGS)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
S-8 2'	2'	NT	NT	ND	ND	ND	0	3200
S-8 4'	4'	NT	NT	ND	ND	ND	0	1600
S-8 6'	6'	NT	NT	ND	ND	ND	0	460
S-8 8'	8'	NT	NT	ND	ND	ND	0	320
S-5 2'	2'	NT	NT	ND	49	ND	49	1200
S-5 Trench 2'	2'	NT	NT	ND	49	ND	49	90
BG-3 1'	1'	NT	NT	ND	12	ND	12	980

NMOCD T	NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')							
Raybaw Operating - Chimayo 16 State #3								
Date: 9-16-20	_		N	M Appro	ved Labor	atory Re	sults	
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
BG-5 0'	Surface	NT	NT	ND	ND	90	90	7600
BG-6 0'	Surface	NT	NT	ND	ND	ND	0	490
BG-7 0'	Surface	NT	NT	ND	ND	ND	0	ND
S-4A 2'R	2'	NT	NT	ND	ND	ND	0	210
S-6A 1.5'R	1.5'	NT	NT	ND	23	140	163	1500
S-10 1.5-2'R	2'	NT	NT	ND	62	350	412	2400
S-11 4'R	4'	NT	NT	ND	ND	ND	0	5300
S-12 2'R	2'	NT	NT	ND	12	ND	12	910
S-16 1.5-2'R	2'	NT	NT	ND	ND	ND	0	7100
S-17 1.5-2'R	2'	NT	NT	ND	20	140	160	3000
S-18 1.5'R	1.5'	NT	NT	ND	11	69	80	1000

NMOCD T	NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')							.00')
	Raybaw Operating - Chimayo 16 State #3							
Date: 10-7-20			N	M Appro	ved Labor	atory Re	sults	
Sample ID	Depth	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl
Sample ID	(BGS)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
NE SW 2'	2'	ND	ND	ND	ND	ND	0	350
SE SW 2'	2'	ND	ND	ND	ND	ND	0	1500
S-20 N SW 2'	2'	ND	ND	ND	ND	ND	0	960
S-20 2'	2'	ND	ND	ND	ND	ND	0	940
BG-8 0'	2'	ND	ND	ND	ND	ND	0	1400
BG-9 0'	2'	ND	ND	ND	ND	ND	0	1200

NMOCD T	NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
	Raybaw Operating - Chimayo 16 State #3								
Date: 10-20-20			N	IM Appro	ved Labor	atory Re	sults		
Sample ID	Depth	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl	
Sample ID	(BGS)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	
3 SW	2'	ND	ND	ND	ND	61	<mark>61</mark>	5400	
WSW	2'	ND	ND	ND	ND	ND	0	410	
18SW	2'	ND	ND	ND	ND	60	60	8200	
\$3	2'	ND	ND	ND	ND	ND	0	1200	
S2	2'	ND	ND	ND	ND	ND	0	9400	
S15	2'	ND	ND	ND	ND	ND	0	710	
EBG	Surface	ND	ND	ND	ND	99	99	140	
NSW	2'	ND	ND	ND	ND	ND	0	700	
S7	2'	ND	ND	ND	ND	ND	0	750	
S9	2'	ND	ND	ND	ND	ND	0	1700	
S14	2'	ND	ND	ND	ND	ND	0	3900	
S19	2'	ND	ND	ND	ND	ND	0	5100	
S13	2'	ND	ND	ND	26	110	136	5500	
17SW	2'	ND	ND	ND	ND	ND	0	400	

NMOCD T	able 1 Clo	sure Crite	eria 19.15.:	29 NMAC	(Depth to	Ground	water is 51-1	.00')
		Raybaw	Operating	g - Chima	yo 16 Stat	e #3		
Date: 11-17-20	Date: 11-17-20 NM Approved Laboratory Results							
	Depth	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl
Sample ID	(BGS)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
S-2 3'	3'	NT	NT	NT	NT	NT	0	270
S-2 5'	5'	NT	NT	NT	NT	NT	0	130
S-2 10'	10'	NT	NT	NT	NT	NT	0	110
S-2 15'	15'	NT	NT	NT	NT	NT	0	150
S-2 20'	20'	NT	NT	NT	NT	NT	0	180



Figures:

1 - Location Map

- 2 Topographic Map
 - 3 Karst Map
- 4 Corrected Site Map
 - 5 Drilling Log
- 6 Variance Request Map
- 7 Written Demonstration of Equal Protection

Chimayo 16 State #3

Loving

Malaga

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Raybaw Operating API #30-015-38105 Eddy County, NM Location Map

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Chimayo 16 State #3

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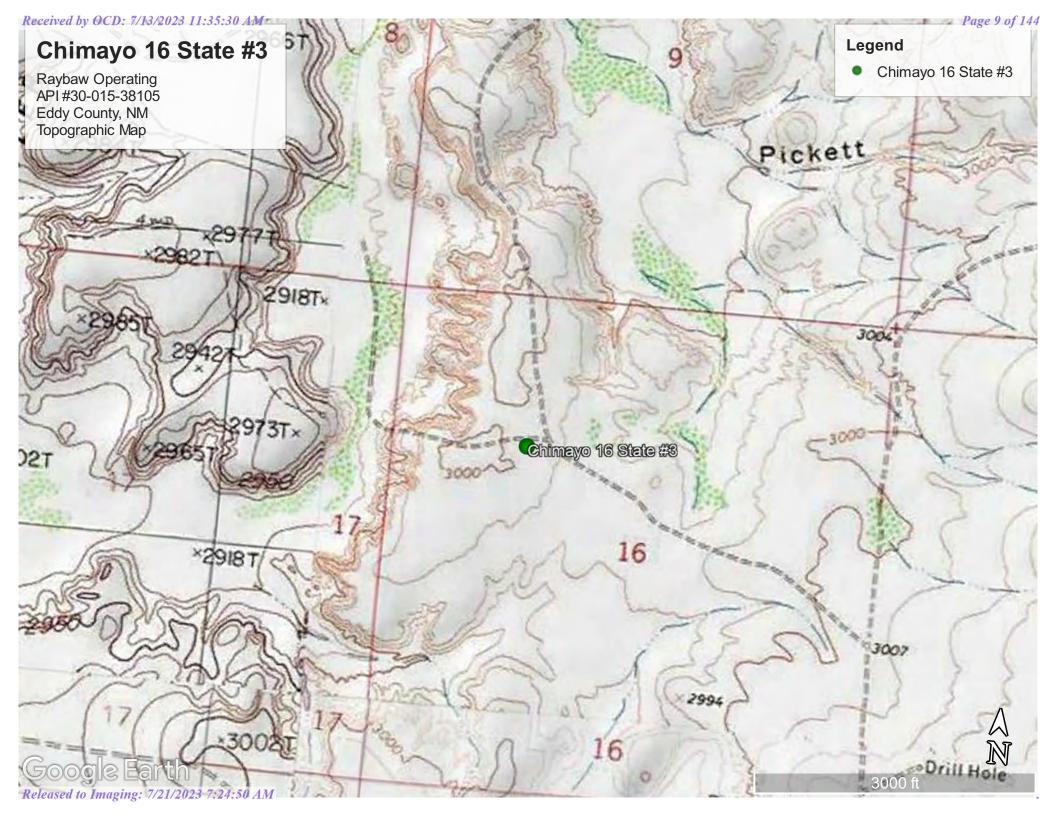
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Pecos River

Chimayo 16 State #3

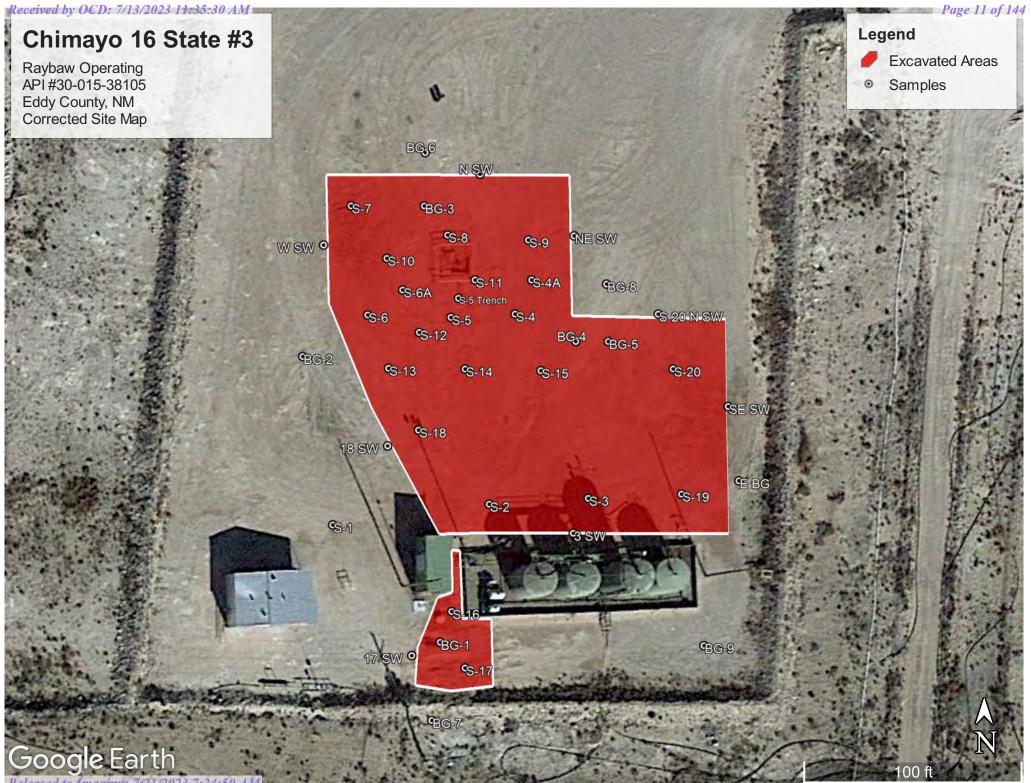
Raybaw Operating API #30-015-38105 Eddy County, NM Karst Map



Chimayo 16 State #3



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Raybaw Operating API #30-015-38105 Eddy County, NM Variance Request Map



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• 5-point Composite base samples

• 5-point Composite sidewall samples

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Excavated Areas - 23,200sqft

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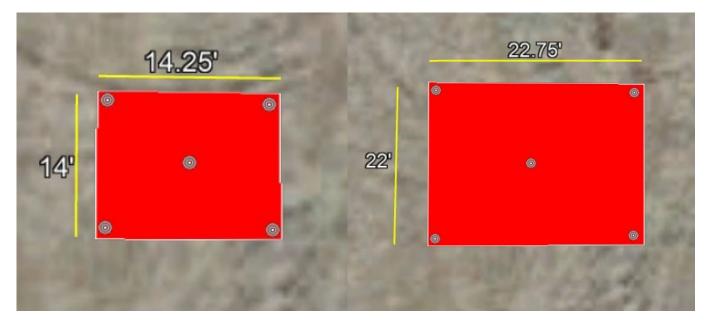
Google Earth

Projec	t No.: 70	00 7 94.349.0	1		Wea	ther: Sunny Temp.: <u>71</u> °F	Driller: Marcus Doyle		
Site N	ame: Ch	imayo 16 S	tate #003			ger: Brandon Sinclair	Rig Type: Geoprobe 7822DT		
ocati	on: Edd	y County, N	M			Instrument: CL Titration	Bit Size: 3 1/2"		
	11/17/2					ude: 32°, 07', 57.40" N	Drilling Method: Air Rotary		
			C	orrecte	ed 🧹				
Boring	Number	: 5-2			Long	gitude <mark>: 103°, 5</mark> 9', 35.9" W	Sample Retrieval Method: Spl	it Spoon	
Time	Lab Sample Collected	Sample Interval (ft)	Sample Recovery (ft)	USCS	Composition (%)	Sample Materia Include composition, color, gra plasticity,	in size, moisture, hardness,	Hydrocarbon Odor	(man) UID
		3-5'				Pinkish-white slightly silty fine	sand (SP-SM)	None	
		5-10'				White fine sand (SP) with calid	he	None	
		10-15'				Pinkish-white calcareous calic	he	None	
		15-35'				Light tan-brown to brown fine s	sands (SP)	None	
		35-51'				Brown fine sands (SP)		None	
								None Slight	
								Mod.	
-				-				Strong	
								None Slight	
								Mod.	
_			-					Strong	-
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Written Demonstration of Equal Protection

The purpose of this demonstration is to provide sufficient evidence that samples taken from every 500 square feet versus samples taken from every 200 square feet would provide equal or better protection of fresh water, public health, and the environment.

- 1. This site lies in a medium karst zone. A low karst zone is approximately 4,100 feet to the east. While a high karst zone is approximately 2.05 miles to the west (Figure 3).
- 2. The nearest surface water feature to this site is the Pecos River and is approximately 1.33 miles to the west (Appendix A).
- 3. According to FEMA, this site is in a minimal flood hazard area (Appendix B).
- 4. According to the U.S. Fish and Wildlife Service National Wetlands Inventory, this site is approximately 2,062 feet east of a freshwater emergent wetland (Appendix B).
- 5. A previously mentioned borehole was drilled on site to prove the absence of ground water. It was drilled to 51' bgs and no ground water was encountered (Figure 5).
- 6. According to the United States Geological Survey, there are 2 other water wells within 1.08 miles from this site. The first one is approximately 4,612 feet from this site, is 192' deep, and has a water level of 141' bgs. The second is approximately 1.08 miles from this site, is 200' deep, and has a water level of 165' bgs (Appendix A)
- 7. According to the Office of the State Engineer, there are 2 other water wells within 3,938 feet from this site. The first one was drilled to 110' bgs, no ground water was encountered, and it is approximately 1,642 feet from this site. The second is approximately 3,938 feet from this site, was drilled to 460' bgs, and no ground water was encountered (Appendix A).
- 8. The impacted difference in collecting 5-point composite samples from every 500 square feet versus every 200 square feet can be seen in the following illustrations.



200 Square Foot

500 Square Foot



Top Line = 200 Square Foot

Bottom Line = 500 Square Foot



Appendix A

Water Surveys: OSE USGS Surface Water Map



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

(A CLW##### in the (R=POD has POD suffix indicates the been replaced, POD has been replaced O=orphaned, & no longer serves a (quarters are 1=NW 2=NE 3=SW 4=SE) C=the file is water right file.) (quarters are smallest to largest) (NAD83 UTM in meters) (In feet) closed) POD Sub-000Water **POD Number** Code Х Y DistanceDepthWellDepthWater Column basin County 64 16 4 Sec Tws Rng C 04503 POD1 CUB ED 4 3 3 09 25S 29E 594884 3556142 536 C 02518 С ED 29E 3556300* 🧲 1261 462 3 4 08 258 593895 C 02371 С ED 2 3 15 258 29E 596741 3555106* 🧉 1859 200 60 140 C 02680 CUB ED 2 3 15 258 29E 596741 3555106* 1859 200 C 04324 POD10 CUB 29E 3557603 🧲 5 ED 1 1 1 09 25S 594563 2030 65 60 C 04324 POD11 CUB ED 1 1 09 25S 29E 594576 3557619 🧲 2043 61 61 0 C 04324 POD12 CUB ED 2 2 2 08 258 29E 594476 3557627 🧲 2071 65 60 5 C 04324 POD6 CUB ED 1 1 09 25S 29E 594538 3557657 🧉 2088 62 61 1 C 04324 POD9 CUB 1 09 25S 29E 594590 2097 72 10 ED 1 3557676 🧧 62 1 C 04324 POD8 CUB ED 4 4 4 05 258 29E 594442 3557807 2254 69 65 4 C 04525 POD1 CUB ED 3 1 2 10 258 29E 596976 3557505 2773 Average Depth to Water: 61 feet Minimum Depth: 60 feet 65 feet Maximum Depth: Record Count: 11 UTMNAD83 Radius Search (in meters): Easting (X): 594950.96 Northing (Y): 3555610.61 **Radius: 3000**

*UTM location was derived from PLSS - see Help

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

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WATER COLUMN/ AVERAGE DEPTH TO WATER



USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:		Geographic Area:		
Groundwater	~	United States	⋎	GO

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- Explore the *NEW* <u>USGS National Water Dashboard</u> interactive map to access realtime water data from over 13,500 stations nationwide.
- Full News 🔊

Groundwater levels for the Nation

Important: <u>Next Generation Monitoring Location Page</u>

Search Results -- 1 sites found

site_no list =

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Minimum number of levels = 1

Save file of selected sites to local disk for future upload

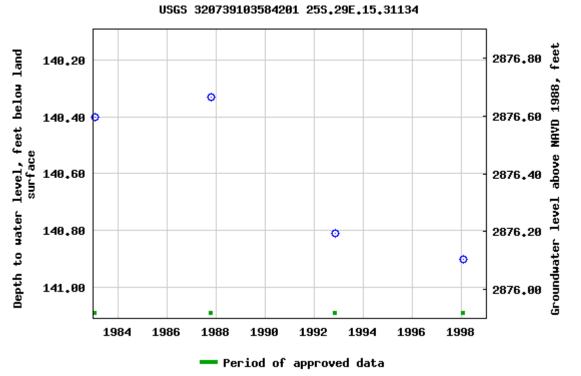
USGS 320739103584201 25S.29E.15.31134

Available data for this site Groundwater: Field measurements V GO

Eddy County, New Mexico Hydrologic Unit Code 13060011 Latitude 32°07'39", Longitude 103°58'42" NAD27 Land-surface elevation 3,017 feet above NAVD88 The depth of the well is 192 feet below land surface. This well is completed in the Other aquifers (N99990THER) national aquifer. This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

Table of data	
Tab-separated data	
Graph of data	
Reselect period	



Breaks in the plot represent a gap of at least one year between field measurements. Download a presentation-quality graph

Questions about sites/data? Feedback on this web site Automated retrievals Help Data Tips Explanation of terms Subscribe for system changes News

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2023-02-01 12:46:01 EST 0.58 0.51 nadww01



Chimayo 16 State #3

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Raybaw Operating API #30-015-38105 Eddy County, NM Surface Water Map

Pecos River

Chimayo 16 State #3

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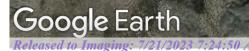
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Pecos River

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Pecos River





Appendix B

Soil Survey & Geological Data FEMA Flood Map Wetlands Map

Eddy Area, New Mexico

PD—Pajarito-Dune land complex, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w55 Elevation: 3,000 to 5,000 feet Mean annual precipitation: 10 to 15 inches Mean annual air temperature: 60 to 64 degrees F Frost-free period: 190 to 220 days Farmland classification: Not prime farmland

Map Unit Composition

Pajarito and similar soils: 46 percent Dune land: 45 percent Minor components: 9 percent Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pajarito

Setting

Landform: Plains, interdunes, dunes Landform position (three-dimensional): Side slope Down-slope shape: Convex, linear Across-slope shape: Linear, convex Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 9 inches: fine sandy loam *H2 - 9 to 36 inches:* fine sandy loam *H3 - 36 to 72 inches:* fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 8.4 inches)

Interpretive groups

Land capability classification (irrigated): 2e

Map Unit Description: Pajarito-Dune land complex, 0 to 3 percent slopes---Eddy Area, New Mexico

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Land capability classification (nonirrigated): 7e Hydrologic Soil Group: A Ecological site: R070BD003NM - Loamy Sand Hydric soil rating: No

Description of Dune Land

Setting

Landform: Dune fields Landform position (two-dimensional): Shoulder, backslope, footslope Landform position (three-dimensional): Talf Down-slope shape: Convex, linear Across-slope shape: Convex, linear Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 6 inches: sandy loam *H2 - 6 to 60 inches:* sandy loam

Interpretive groups

Land capability classification (irrigated): None specified Ecological site: R070BD003NM - Loamy Sand Hydric soil rating: No

Minor Components

Rock outcrop

Percent of map unit: 5 percent Hydric soil rating: No

Largo

Percent of map unit: 4 percent Ecological site: R070BC007NM - Loamy Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico Survey Area Data: Version 18, Sep 8, 2022

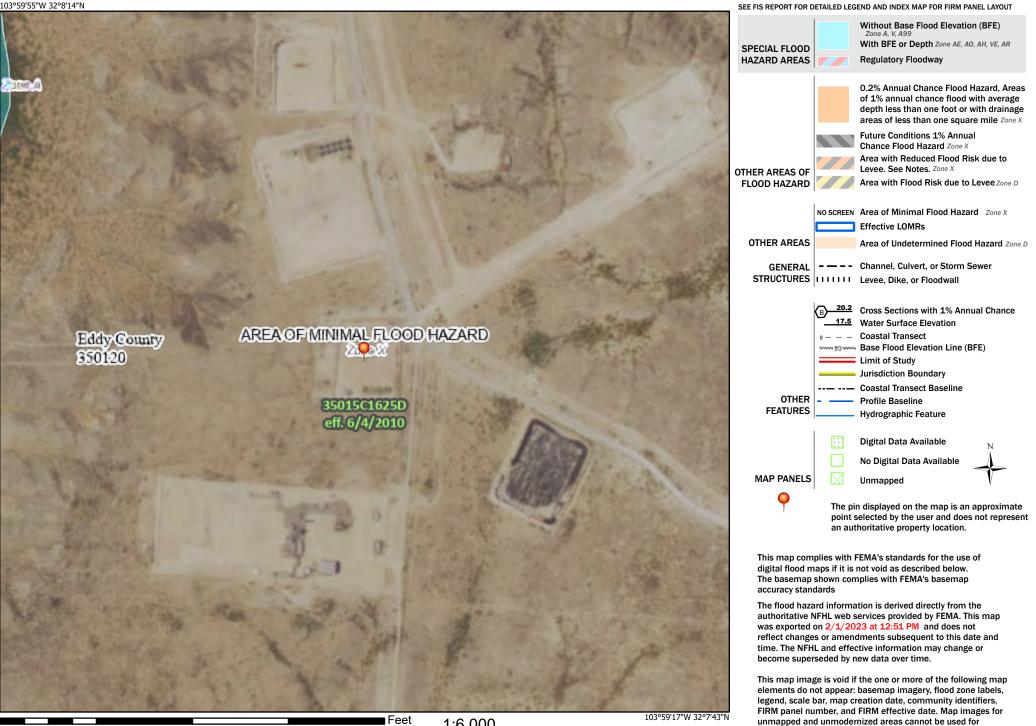
Received by OCD: 7/13/2023 11:35:30 AM National Flood Hazard Layer FIRMette



Legend

regulatory purposes.

Page 23 of 144



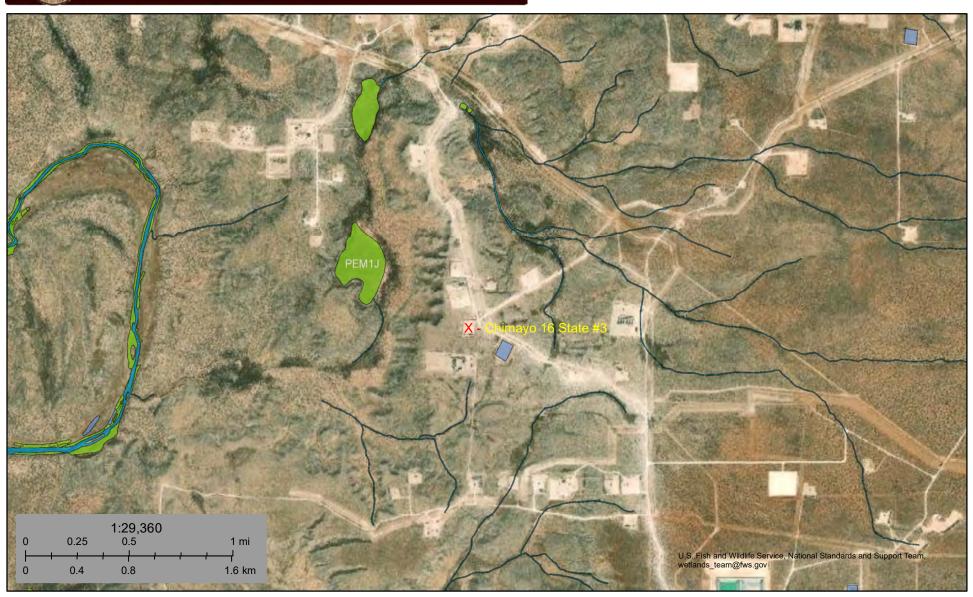
Releasea to Imaging: 7/21/2023 9924:50 AM 1,500

1:6,000 2.000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

U.S. Fish and Wildlife Service National Wetlands Inventory

Wetlands Map



February 1, 2023

Wetlands

- Estuarine and Marine Deepwater
 - **Estuarine and Marine Wetland**

- **Freshwater Pond**

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Lake Other Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



Appendix C

C-141 Form

NMOCD Correspondence

eceived by OCD: 7/13/2023 11:35:30 AM		Page 26 of 14
1023 IN, French Dr., Hobbs, INIVI 88240	tate of New Mexico linerals and Natural Resource	Form C-141 Revised August 8, 2011
	Conservation Division	Submit 1 Copy to appropriate District Office in
District IV 1220	0 South St. Francis Dr.	accordance with 19.15.29 NMAC.
220 S. St. Francis Dr., Santa Fe, NM 87505 S	Santa Fe, NM 87505	
Release Notifi	ication and Corrective	e Action
NAB1532742191	OPERATOR	🛛 Initial Report 🗌 Final Repo
Name of Company Devon Energy Production		uilar Production Assistant Foreman
Address 6488 Seven Rivers Hwy Artesia, NM 88220 Facility Name Chimayo 16 State 3	Telephone No. 575.513 Facility Type SWD	3.1930
	Owner State	API No. 30-015-38105
		ATTNO. 30-013-30103
Unit Letter Section Township Range Feet from the	ATION OF RELEASE	the East/West Line County
F 16 25S 29E 1610	FNL 1455	FWL EDDY
	itude: Longitude:	
NA' Type of Release Spill Produced Water	TURE OF RELEASE	Values Becouvered 2
	Volume of Release 7 BBD Produced Wate	
Source of Release Sump Tank	Date and Hour of Occ 11/18/15 at 3:00 PM	Urrence Date and Hour of Discovery
Was Immediate Notice Given?	If YES, To Whom?	11/16/15 at 5.60 1 M
🛛 Yes 🗌 No 🗍 Not F	Required OCD Jim Amos BLM Mike Bratcher	•
By Whom? Leonard Aguilar	Date and Hour	2 am
· · · ·	OCD 11/19/15 at 11:5	
Was a Watercourse Reached?	BLM 11/19/15 at 11:5 If YES, Volume Impa N/A	cting the Watercourse NOV 20 2015
If a Watercourse was Impacted, Describe Fully.* N/ A	l	RECEIVED
Describe Cause of Problem and Remedial Action Taken.* Sump tank overfilled bad check valve, bad check valve allow the tank by closing valves upstream and downstream of sump Describe Area Affected and Cleanup Action Taken.* 7 BBL of Produced water released on a 30 x 50 area all on p environmental agency will he called out for remediation.	p tank	<u> </u>
· · · · · · · · · · · · · · · · · · ·		
I hereby certify that the information given above is true and com regulations all operators are required to report and/or file certain public health or the environment. The acceptance of a C-141 rep should their operations have failed to adequately investigate and or the environment. In addition, NMOCD acceptance of a C-14 federal, state, or local laws and/or regulations.	release notifications and perform c port by the NMOCD marked as "Fi remediate contamination that pose 1 report does not relieve the operate	corrective actions for releases which may endanger nal Report" does not relieve the operator of liability a threat to ground water, surface water, human health or of responsibility for compliance with any other
Signature: Jeanette Barron	I OIL C	ONSERVATION DIVISION
		11 / 2
Printed Name: Jeanette Barron	Approved by Environmer	ntal Specialist: Hulder
· · · · · · · · · · · · · · · · · · ·		al 15 Expiration Date: N/A
Printed Name: Jeanette Barron	Approved by Environmer Approval Date:	315 Expiration Date: N/A
Printed Name: Jeanette Barron Title: Field Admin Support	Approved by Environmer Approval Date:	8 15 Expiration Date: N/A

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Received by OCD: 7/13/2023 11:35:30 AM

Form C-141 Page 3

State of New Mexico Oil Conservation Division

Incident ID	nAB1532742191
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	51-100 (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 vertical extents of soil contamination associated with the release have been determined. Refer to 19,15,29,11 NMAC for specifics.

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

Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.

 \bigvee Field data

Data table of soil contaminant concentration data
 Depth to water determination

Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release \vee

 \lor Boring or excavation logs

 \lor Photographs including date and GIS information

Topographic/Aerial maps

N 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.

ceived by OCD: 7/13/2				Page
orm C-141	State of New Mexic		Incident ID	nAB1532742191
age 4 Oil Conservation Div	sion	District RP		
		Facility ID		
		Application ID		
addition, OCD acceptance and/or regulations.	of a C-141 report does not relieve the oper	rator of responsibility for con	pliance with any other for	ederal, state, or local laws
Printed Name: Nan Signature: <u>Nan</u> email: <u>Dwinn</u> ©	an D. Mum	Date: 2/1/2	2023 1-793-5452	
Signature: 97an	an D. Mum	Date: 2/1/2	2023	

Received by OCD: 7/13/2023 11:35:30 AM

Form C-141 Page 5 State of New Mexico Oil Conservation Division

Application ID

Page 29 of 144

Remediation Plan

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

I Detailed description of proposed remediation technique

X Scaled sitemap with GPS coordinates showing delineation points

X Estimated volume of material to be remediated

Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC

I Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

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

Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

Extents of contamination must be fully delineated.

Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: Nancy J. Winn	Title: Geoscience Analyst
Signature: Ones Profile	Date: 07/20/2023
email:nwinn@sbcglobal.net	Telephone: 281-793-5452
OCD Only	
Received by:	Date:
Approved Approved with Attached Conditions of A	pproval Denied Deferral Approved
Signature: Buttan Hall	Date: 7/21/2023

From: Harimon, Jocelyn, EMNRD <jocelyn.harimon@emnrd.nm.gov> To: Nancy Winn <nwinn@sbcglobal.net> Sent: Tuesday, January 31, 2023 at 03:26:55 PM CST Subject: RE: [EXTERNAL] C-141

Nancy,

After reviewing all that you sent and the files in our system. I don't see any approved remediation plans for these incident #'s only signed and dated Initial C-141 pages reporting the releases.

It is fine to apply for closure without an approved remediation plan however, the remediation work completed will be "at risk" and the OCD may have requirements in addition to what has been done.

Please make sure that the report is inclusive of all the points I mentioned in the checklists in my previous email.

I do recommend downloading the full set of current C-141 pages from our website and using these pages for your application submissions.

No apologies needed, that is what I am here for.

If you have any further questions please feel free to contact me.

JH

Jocelyn Harimon • Environmental Specialist

Environmental Bureau

EMNRD - Oil Conservation Division

1220 South St. Francis Drive | Santa Fe, NM 87505

(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov

http:// www.emnrd.nm.gov



To: Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov> Cc: Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov> Subject: Re: [EXTERNAL] C-141

Jocelyn,

I was going over these documents. May I assume that the Remediation Plan was already approved by the OCD? I found some C-141 files online that were filed by Devon and stamped and signed by the OCD, with handwritten Incident Numbers (attached). Could you please confirm that for me.

I also downloaded a blank C-141 form. It appears to have been updated since these Closure Reports were created. I don't find pages 3-5 in the report. The only signatures are on pages 1 and 6.

Could you please have a quick look again at the Closure Reports and see if what is there is acceptable. I believe all documents are there except the signature pages in question.

The pages that relate to the C-141 signatures are pages 22-30. Other than that, there are no additional signature pages.

My apologies for being a pain in the neck. I want to make sure this is right before submitting.

Thanks again!

Nancy

Nancy J. Winn Geoscience Analyst Raybaw Operating, LLC 281-793-5452 (cell)

On Tuesday, January 31, 2023 at 10:19:08 AM CST, Harimon, Jocelyn, EMNRD <<u>jocelyn.harimon@emnrd.nm.gov</u>> wrote:

Nancy,

Thank you for reaching out. I briefly had a look at the files you sent and it does look like most of the bases are covered. Here are two checklists for you to use if you want to go through these reports one more time before submitting to make sure they are complete.

Remediation Plan checklist:

- 1. Scaled site map diagram with sample points clearly marked
- 2. Site Photos
- 3. Site Assessment/Delineation summary (horizontal and vertical)
- 4. Delineation sample analytical results (lab tested)
- 5. Table containing analytical data
- 6. Description of excavation depths corresponding to analytical table
- 7. Depth to groundwater evaluation, including fluid level data from New Mexico Office of the State Engineer or other documented evidence
- 8. Karst evaluation, here is the link to the CFO GIS data
- 9. FEMA National Flood map review.
- 10. Signed and dated C-141 (Pages 3-6)

Closure check list

- 1. All off pad areas to contain a minimum of 4 feet non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg. This may require additional sidewall samples and further delineation
- 2. Performing a grab sample plan of the remediation area, where each composite sample is not representative of more than 200 ft2
- 3. Laboratory analyses of final sampling and a description of all remedial activities taken
- 4. Provide a scaled site and sampling diagram, photographs of the remediation site prior to backfill
- 5. All other closure reporting need to follow requirements set forth in 19.15.29.12 NMAC
- 6. Restoration, reclamation, and re-vegetation to 19.15.29.13 NMAC
- 7. Signed dated C-141 pages 3-5

Once you have your completed submission package you can upload all the documents to the <u>permitting</u> <u>page</u>. To submit an application, you will need an operator OGRID # and you will need the login information. If you have any trouble obtaining the login information, please contact me and I can step you through the process of obtaining login credentials.

Please not that even though both incidents are included in one report, you will need to submit a separate report for each incident #, it is fine to simply use the same report twice. The C-141 pages however will need to be incident specific.

If you have any further questions, please feel free to contact me.

JH

Jocelyn Harimon • Environmental Specialist

Environmental Bureau

EMNRD - Oil Conservation Division

1220 South St. Francis Drive | Santa Fe, NM 87505

(505)469-2821 | <u>Jocelyn.Harimon@emnrd.nm.gov</u> Released to Imaging: 7/21/2023 7:24:50 AM

http:// www.emnrd.nm.gov



From: Nancy Winn <<u>nwinn@sbcglobal.net</u>>
Sent: Tuesday, January 31, 2023 8:54 AM
To: Harimon, Jocelyn, EMNRD <<u>Jocelyn.Harimon@emnrd.nm.gov</u>>
Subject: Fw: [EXTERNAL] C-141

Jocelyn,

I reached out to Robert Hamlet regarding a new C-141 filing for Raybaw Operating (OGRID #330220). These are reports that should have been filed by the previous operator (Devon), but weren't. He asked me to contact you on this.

Could you please read the emails below and let me know if I have everything I need for this?

Thanks,

Nancy

Nancy J. Winn Geoscience Analyst Raybaw Operating, LLC 281-793-5452 (cell)

----- Forwarded Message -----

From: Hamlet, Robert, EMNRD < robert.hamlet@emnrd.nm.gov>

To: Nancy Winn <<u>nwinn@sbcglobal.net</u>>

Sent: Tuesday, January 31, 2023 at 09:48:00 AM CST

Subject: RE: [EXTERNAL] C-141

Nancy,

I'm going to have you talk to Jocelyn Harimon <u>Jocelyn.Harimon@emnrd.nm.gov</u> about the upload process. She knows infinitely more about the payment portal and uploading reports than I do. If you could, please contact her for any guidance.

Regards,

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau

EMNRD - Oil Conservation Division

506 W. Texas Ave.| Artesia, NM 88210

575.909.0302 | robert.hamlet@state.nm.us

http://www.emnrd.state.nm.us/OCD/



From: Nancy Winn <<u>nwinn@sbcglobal.net</u>>
Sent: Tuesday, January 31, 2023 8:41 AM
To: Hamlet, Robert, EMNRD <<u>Robert.Hamlet@emnrd.nm.gov</u>>
Subject: Re: [EXTERNAL] C-141

I haven't uploaded them yet. I wanted to make sure my information was complete before doing that. Are you able to look at what I sent and tell me if I need more information, or is this considered complete? My apologies, but haven't done one of these before.

Thanks,

Nancy

Nancy J. Winn Geoscience Analyst Raybaw Operating, LLC 281-793-5452 (cell)

On Tuesday, January 31, 2023 at 09:37:05 AM CST, Hamlet, Robert, EMNRD <<u>robert.hamlet@emnrd.nm.gov</u>> wrote:

What day were the reports uploaded? Sometimes it takes a day or two to clear the payment portal before it's put in our queue.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau

EMNRD - Oil Conservation Division

506 W. Texas Ave.| Artesia, NM 88210

575.909.0302 | robert.hamlet@state.nm.us

http://www.emnrd.state.nm.us/OCD/



From: Nancy Winn <<u>nwinn@sbcglobal.net</u>>
Sent: Tuesday, January 31, 2023 8:28 AM
To: Hamlet, Robert, EMNRD <<u>Robert.Hamlet@emnrd.nm.gov</u>>
Subject: [EXTERNAL] C-141

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Robert,

I work for Raybaw Operating, LLC (OGRID #330220). We recently discovered several spill Incidents from previous operators that had not been closed. We contacted Pima Oil that was assisting us on something else. They looked into it for us and found 2 open incidents on the Chimayo 16 State 3 SWD (API 30-015-38105) in Eddy County.

The previous operator (Devon) had all of the Remediation work done, and reports were created by Talon for them to file. I am unsure why, but the reports were not filed.

Attached is a copy of the 2 incident reports, along with a report for a 3rd that was closed (all in one file).

I was told by Pima that we needed to file these with the OCD, but I am unsure of the process to get them filed. I did try and find out by researching online (unsuccessfully). This is something new for me. I know there is a fee attached to each filing, so I didn't want to make mistakes.

Can you have a look at the attached reports and let me know if I just upload it to the OCD website, like I do the C-103s? I wanted to make sure there were no additional documents I would need to upload.

I appreciate any help you can give me on this.

Thanks,

Nancy

Nancy J. Winn Geoscience Analyst Raybaw Operating, LLC 281-793-5452 (cell)

•

From:

To:

Date:

Nancy Winn

Tom Campbell; Jeff Stevenson; Tom Pima Oil Fw: The Oil Conservation Division (OCD) has rejected the application, Application ID: 182878 Subject: Wednesday, May 24, 2023 12:38:53 PM

Thanks,

Nancy

Nancy J. Winn Geoscience Analyst 1601 Belmont Blvd. Abilene, Texas 79602 281-793-5452 (cell)

----- Forwarded Message -----From: OCDOnline@state.nm.us <ocdonline@state.nm.us> To: "nwinn@sbcglobal.net" <nwinn@sbcglobal.net> Sent: Wednesday, May 24, 2023 at 01:03:57 PM CDT Subject: The Oil Conservation Division (OCD) has rejected the application, Application ID: 182878

To whom it may concern (c/o Nancy Winn for RAYBAW Operating, LLC),

The OCD has rejected the submitted Application for administrative approval of a release notification and corrective action (C-141), for incident ID (n#) nAB1532742191, for the following reasons:

- Numerous samples are on the map and or table but there are no laboratory anaytical reports for the samples.
- There are samples on the table that are not on the map.
- The report states that remedation activities were started in November of 2022. There are no laboratory samples collected in 2022. Confirmation samples will need to be collected, analyzed for the constituents of Table 1, clearly demarcated on a scaled site and sampling diagram, and submitted with the closure report.
- Sample names and locations on the map are hard to read due to the placement of the labels over equipment/other surface features.
- The boring log for "S-2" has GPS coordinates for the wellhead. Update the location of the boring to the actual location of the boring.
- Submit a complete report though the OCD Permitting website by 8/24/2023.
- 2RP-3412 closed. Refer to incident #nAB1532742191 in all future communication.

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 182878.

Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you, Brittany Hall Projects Environmental Specialist - A 505-517-5333 Brittany.Hall@emnrd.nm.gov

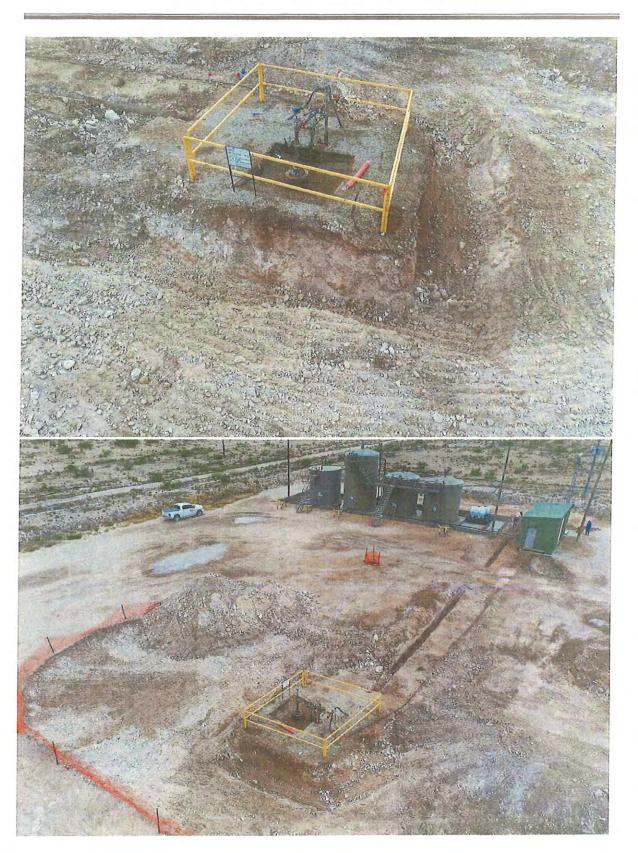
New Mexico Energy, Minerals and Natural Resources Department 1220 South St. Francis Drive Santa Fe, NM 87505



Appendix D

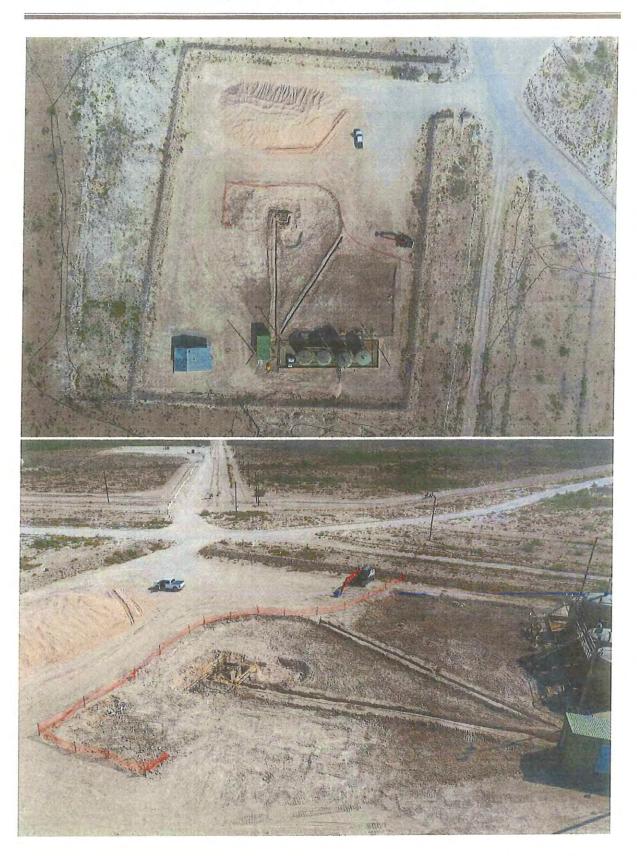
Photographic Documentation

Page 39 of 144



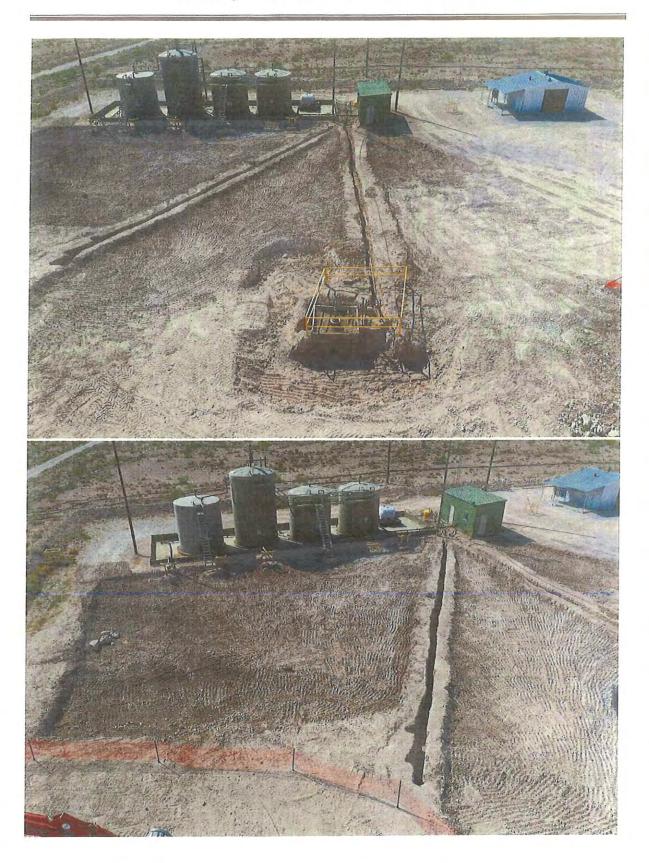
Chimayo 16 State #003 Excavation

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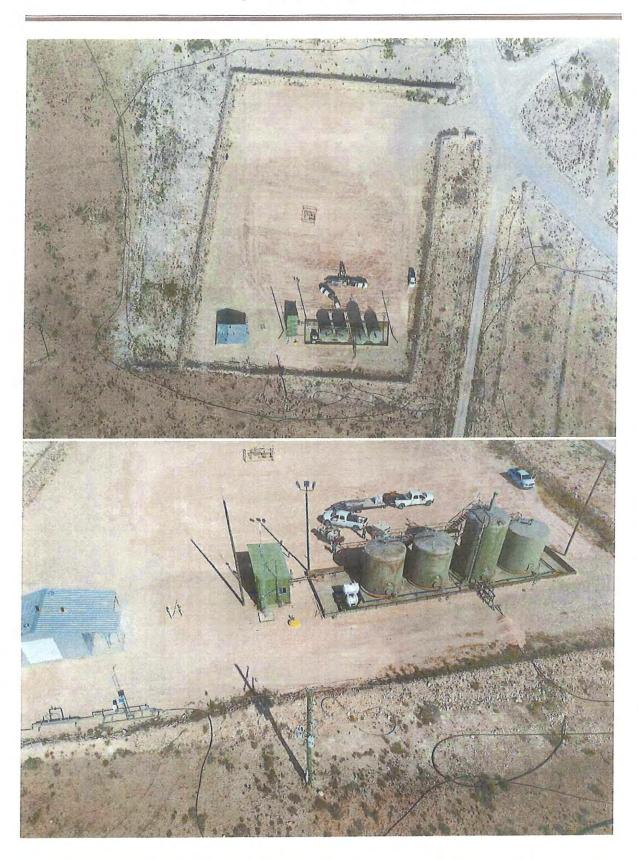
Chimayo 16 State #003 Excavation

Page 41 of 144



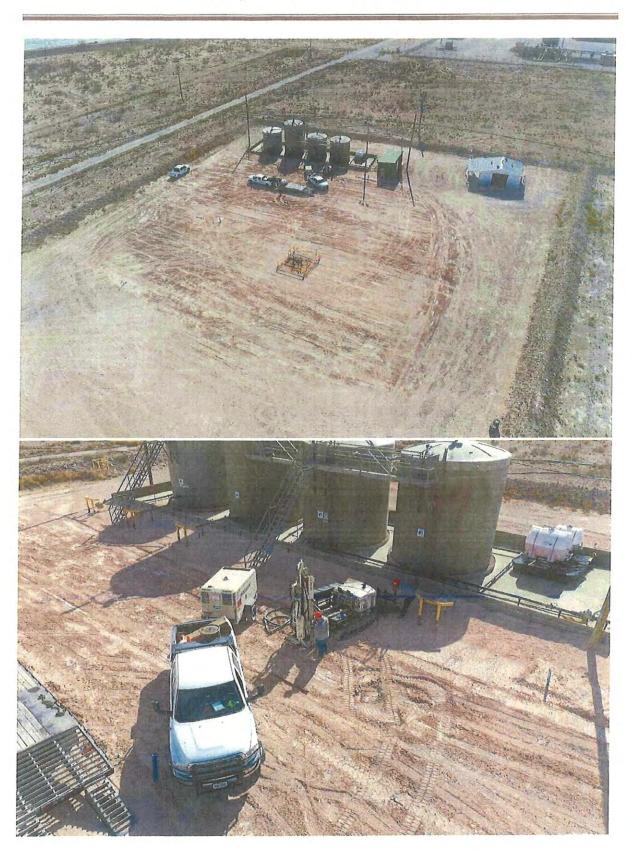
Chimayo 16 State #003 Excavation

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Chimayo 16 State #003 Closure

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Chimayo 16 State #003 Closure



Appendix E

Laboratory Reports



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

August 06, 2020

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

OrderNo.: 2007D09

Dear Rebecca Pons:

RE: Chimayo 16 St. 3

Hall Environmental Analysis Laboratory received 13 sample(s) on 7/25/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analysis	Laboratory,	Inc.	cina caro con e com sectore	dente singuine questances	Analytical Report Lab Order 2007D09 Date Reported: 8/6/202	O
CLIENT: Talon Artesia Project: Chimayo 16 St. 3 Lab ID: 2007D09-001	Matrix: SOIL			Date: 7/	-1 0'R /23/2020 11:50:00 AM /25/2020 7:50:00 AM	
Analyses	Result	RL	Qual U	nits DI	F Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	300	60	m	g/Kg 20	7/30/2020 8:26:09 PM	54063
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.4	m	g/Kg 1	7/29/2020 8:03:37 PM	53998
Motor Oil Range Organics (MRO)	ND	47	m	g/Kg 1	7/29/2020 8:03:37 PM	53998
Surr: DNOP	85.5	30.4-154	%	Rec 1	7/29/2020 8:03:37 PM	53998
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg	J/Kg 1	7/28/2020 11:29:48 AM	53975
Surr: BFB	86.8	66.6-105	%	Rec 1	7/28/2020 11:29:48 AM	53975
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg	/Kg 1	7/28/2020 11:29:48 AM	53975
Toluene	ND	0.048	mg	I/Kg 1	7/28/2020 11:29:48 AM	53975
Ethylbenzene	ND	0.048	mg	I/Kg 1	7/28/2020 11:29:48 AM	53975
Xylenes, Total	ND	0.096	mg	/Kg 1	7/28/2020 11:29:48 AM	53975
Surr: 4-Bromofluorobenzene	102	80-120	%F	Rec 1	7/28/2020 11:29:48 AM	53975

Qualifiers:	*	Value exceeds Maximum Contaminant Lovel.
×	D	Sample Diluted Due to Matrix

- Sample Diluted Due to Matrix Holding times for preparation or analysis exceeded Not Detected at the Reporting Limit н
- ND
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank в Е
- Value above quantitation range Analyte detected below quantitation limits 1
- Р Sample pH Not In Range
- RL. Reporting Linut

Page 1 of 17

Hall Environmental Analysis Laboratory, Inc.

Analytical Report Lab Order 2007D09

Date Reported: 8/6/2020

CLIENT: Talon Artesia Project: Chimayo 16 St. 3 Lab ID: 2007D09-002	Client Sample ID: S-2 0'RCollection Date: 7/23/2020 12:15:00 PMMatrix: SOILReceived Date: 7/25/2020 7:50:00 AM						
Analyses	Result	RL	Qual Units	; DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	MRA	
Chloride	22000	1500	mg/K	g 50	0 7/31/2020 12:34:34 PM	54063	
EPA METHOD 8015M/D: DIESEL RANGE (ORGANICS				Analyst:	BRM	
Diesel Range Organics (DRO)	61	47	mg/K	g 5	7/30/2020 3:03:20 PM	53998	
Motor Oil Range Organics (MRO)	320	230	mg/K	j 5	7/30/2020 3:03:20 PM	53998	
Surr: DNOP	97.0	30.4-154	%Red	: 5	7/30/2020 3:03:20 PM	53998	
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	NSB	
Gasoline Range Organics (GRO)	ND	4.9	mg/K	j 1	7/28/2020 12:40:23 PM	53975	
Surr: BFB	87.7	66.6-105	%Rec	1	7/28/2020 12:40:23 PM	53975	
EPA METHOD 8021B: VOLATILES					Analyst:	NSB	
Benzene	ND	0.025	mg/Kg	, 1	7/28/2020 12:40:23 PM	53975	
Toluene	ND	0.049	mg/K	j 1	7/28/2020 12:40:23 PM	53975	
Ethylbenzene	ND	0.049	mg/Kg) 1	7/28/2020 12:40:23 PM	53975	
Xylenes, Total	ND	0.099	mg/Ko	j 1	7/28/2020 12:40:23 PM	53975	
Surr: 4-Bromofluorobenzene	102	80-120	%Rec	1	7/28/2020 12:40:23 PM	53975	

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

Qualifiers:	٠	Value exceeds M
L	-	

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

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Analytical Report Lab Order 2007D09

Hall Environmental Analysi	s Laboratory,	Inc.	all and a state of the state of t	A MARK AND A COMPANY		Date Reported: 8/6/2020	
CLIENT: Talon Artesia Project: Chimayo 16 St. 3			Collect		te: 7/2	3/2020 12:35:00 PM	
Lab ID: 2007D09-003 Analyses	Matrix: SOIL Result	RL		Units		5/2020 7:50:00 AM Date Analyzed	Batch
EPA METHOD 300.0: ANIONS	<u></u>					Analyst:	MRA
Chloride	240 00	1500		mg/Kg	500	7/31/2020 12:46:58 PM	54068
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS					Analyst:	BRM
Diesel Range Organics (DRO)	10	9,9	10	mg/Kg	1	7/29/2020 8:52:33 PM	53998
Motor Oil Range Organics (MRO)	66	49	10	mg/Kg	1	7/29/2020 8:52:33 PM	53998
Surr: DNOP	0	30.4-154	S10	%Rec	1	7/29/2020 8:52:33 PM	53998
EPA METHOD 8015D: GASOLINE RANG	GE					Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/28/2020 1:51:05 PM	53975
Surr: BFB	87.9	66.6-105		%Rec	1	7/28/2020 1:51:05 PM	53975
EPA METHOD 8021B: VOLATILES						Analyst:	NSB
Benzene	ND	0.024		mg/Kg	1	7/28/2020 1:51:05 PM	5 3975
Toluene	ND	0.048		mg/Kg	1	7/28/2020 1:51:05 PM	53975
Ethylbenzene	ND	0.048		mg/Kg	1	7/28/2020 1:51:05 PM	53975
Xylenes, Total	ND	0.096		mg/Kg	1	7/28/2020 1:51:05 PM	53975
Surr: 4-Bromofluorobenzene	99.2	80-120		%Rec	1	7/28/2020 1:51:05 PM	53975

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

Qualifiers: * Value exceeds Maximum Contaminant Lev

- Sample Diluted Due to Matrix D
- Holding times for preparation or analysis exceeded Not Detected at the Reporting Limit н
- ND
- PQL. Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank в Value above quantitation range Е
- J
- Analyte detected below quantitation limits
- Р Sample pH Not In Range RL Reporting Limit

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Hall Environmental Analys	is Laboratory,	Inc.			Analytical Report Lab Order 2007D09 Date Reported: 8/6/2020	
CLIENT: Talon Artesia Project: Chimayo 16 St. 3 Lab ID: 2007D09-004	Matrix: SOIL			e: 7/2	4 0'R 23/2020 12:55:00 PM 25/2020 7:50:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	MRA
Chloride	9900	300	mg/Kg	10	7/31/2020 12:59:22 PM	54068
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst:	BRM
Diesel Range Organics (DRO)	30	9.8	mg/Kg	1	7/29/2020 9:16:58 PM	53998
Motor Oil Range Organics (MRO)	190	49	mg/Kg	1	7/29/2020 9:16:58 PM	53998
Surr: DNOP	75.0	30.4-154	%Rec	1	7/29/2020 9:16:58 PM	53998
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/28/2020 2:14:41 PM	53975
Surr: BFB	85.8	66.6-105	%Rec	1	7/28/2020 2:14:41 PM	53975
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.023	mg/Kg	1	7/28/2020 2:14:41 PM	53975
Toluene	ND	0.047	mg/Kg	1	7/28/2020 2:14:41 PM	53975
Ethylbenzene	ND	0.047	mg/Kg	1	7/28/2020 2:14:41 PM	53975
Xylenes, Total	ND	0.093	mg/Kg	1	7/28/2020 2:14:41 PM	53975
Surr: 4-Bromofluorobenzene	99.4	80-120	%Rec	1	7/28/2020 2:14:41 PM	53975

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

- Sample Diluted Due to Matrix й
- Holding times for preparation or analysis exceeded Not Detected at the Reporting Limit ND
- PQL Practical Quanitative Limit

- % Recovery outside of range due to dilution or matrix s
- Analyte detected in the associated Method Blank в Value above quantitation range
- E Analyte detected below quantitation limits J
- Р Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis		Date Reported: 8/6/2020						
CLIENT: Talon Artesia Project: Chimayo 16 St. 3 Lab ID: 2007D09-005	Client Sample ID: S-5 0'R Collection Date: 7/23/2020 1:20:00 PM Matrix: SOIL Received Date: 7/25/2020 7:50:00 AM							
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst:	MRA		
Chloride	25000	1500	mg/Kg	500) 7/31/2020 1:11:46 PM	54068		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	BRM		
Diesel Range Organics (DRO)	84	9.8	mg/Kg	1	7/29/2020 9:41:27 PM	53998		
Motor Oil Range Organics (MRO)	280	49	mg/Kg	1	7/29/2020 9:41:27 PM	53998		
Surr: DNOP	78.0	30.4-154	%Rec	1	7/29/2020 9:41:27 PM	53998		
EPA METHOD 8015D: GASOLINE RANGE	I				Analyst:	NSB		
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/28/2020 3:25:40 PM	53975		
Surr: BFB	86.6	66.6-105	%Rec	1	7/28/2020 3:25:40 PM	53975		
EPA METHOD 8021B: VOLATILES					Analyst:	NSB		
Benzene	ND	0.024	mg/Kg	1	7/28/2020 3:25:40 PM	53975		
Toluene	ND	0.047	mg/Kg	1	7/28/2020 3:25:40 PM	53975		
Ethylbenzene	ND	0.047	mg/Kg	1	7/28/2020 3:25:40 PM	53975		
Xylenes, Total	ND	0.095	mg/Kg	1	7/28/2020 3:25:40 PM	53975		
Surr: 4-Bromofluorobenzene	101	80-120	%Rec	1	7/28/2020 3:25:40 PM	53975		

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

Oualifiers:	٠	Value exceeds Maximum Contaminant Level.
Zummeron	n	Sample Diluted Due to Matrix

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQ1. Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix s
- Analyte detected in the associated Method Blank в Е
- Value above quantitation range Analyte detected below quantitation limits
- I Sample pH Not In Range
- Р RL Reporting Limit

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Hall Environmental Analysis	Laboratory,	Inc.			Analytical Report Lab Order 2007D09 Date Reported: 8/6/2020	}
CLIENT: Talon Artesia Project: Chimayo 16 St. 3			ient Sample I Collection Dat		6 0'R 23/2020 1:40:00 PM	
Lab ID: 2007D09-006	Matrix: SOIL				25/2020 7:50:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CJS
Chloride	510	60	mg/Kg	20	7/30/2020 2:59:49 PM	54068
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	BRM
Diesel Range Organics (DRO)	17	9.7	mg/Kg	1	7/29/2020 10:05:53 PM	53998
Motor Oil Range Organics (MRO)	91	48	mg/Kg	1	7/29/2020 10:05:53 PM	53998
Surr: DNOP	67.2	30.4-154	%Rec	1	7/29/2020 10:05:53 PM	53998
EPA METHOD 8015D: GASOLINE RANGI	3				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/28/2020 3:49:18 PM	53975
Surr: BFB	89.6	66.6-105	%Rec	1	7/28/2020 3:49:18 PM	53975
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.024	mg/Kg	1	7/28/2020 3:49:18 PM	53975
Toluene	ND	0.048	mg/Kg	1	7/28/2020 3:49:18 PM	53975
Ethylbenzene	ND	0.048	mg/Kg	1	7/28/2020 3:49:18 PM	53975
Xylenes, Total	ND	0.097	mg/Kg	1	7/28/2020 3:49:18 PM	53975
Surr: 4-Bromofluorobenzene	103	80-120	%Rec	1	7/28/2020 3:49:18 PM	53975

			,	
Oualifiers:	٠	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method Blank
Quinnersi	D	Sample Diluted Due to Matrix	E	Value above quantitation range
				A has dealered below exercitation limits

- H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- Analyte detected below quantilation limits Sample pH Not In Range
- Р Г
- RL, Reporting Linut

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Analytical	Report
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Lab Order 2007D09

Hall Environmental Analysis Laboratory, Inc.					Date Reported: 8/6/2020				
CLIENT: Talon Artesia	Client Sample ID: S-7 0'R								
Project: Chimayo 16 St. 3		(Collection Dat	te: 7/2	23/2020 2:00:00 PM				
Lab ID: 2007D09-007	Matrix: SOIL		Received Dat	e: 7/2	25/2020 7:50:00 AM				
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst:	MRA			
Chloride	2700	150	mg/Kg	50	7/31/2020 1:24:11 PM	54068			
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst:	BRM			
Diesel Range Organics (DRO)	34	8.8	mg/Kg	1	7/29/2020 10:30:28 PM	53998			
Motor Oil Range Organics (MRO)	47	44	mg/Kg	1	7/29/2020 10:30:28 PM	53998			
Surr: DNOP	69.5	30.4-154	%Rec	1	7/29/2020 10:30:28 PM	53998			
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst:	NSB			
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/28/2020 4:12:57 PM	53975			
Surr: BFB	88.8	66,6-105	%Rec	1	7/28/2020 4:12:57 PM	53975			
EPA METHOD 8021B: VOLATILES					Analyst:	NSB			
Benzene	ND	0.023	mg/Kg	1	7/28/2020 4:12:57 PM	53975			
Toluene	ND	0.047	mg/Kg	1	7/28/2020 4:12:57 PM	53975			
Ethylbenzene	ND	0.047	mg/Kg	1	7/28/2020 4:12:57 PM	53975			
Xylenes, Total	ND	0.094	mg/Kg	1	7/28/2020 4:12:57 PM	53975			
Surr: 4-Bromofluorobenzene	102	80-120	%Rec	1	7/28/2020 4:12:57 PM	53975			

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

Oualifiers:	+	Value exceeds Maximum Contaminant Level.
Sec		· · · · · · · · · ·

- D Sample Diluted Due to Matrix Н
- Holding times for preparation or analysis exceeded Not Detected at the Reporting Limit NÐ
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix \$
- В Analyte detected in the associated Method Blank Value above quantilation range
- Е
- J Analyte detected below quantitation limits
- Р Sample pH Not in Range RL Reporting Limit

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Hall Environmental Analys	is Laboratory,	Inc.		*****	Analytical Report Lab Order 2007D09 Date Reported: 8/6/2020)
CLIENT: Talon Artesia Project: Chimayo 16 St. 3 Lab ID: 2007D09-008	Matrix: SOIL	8 0'R 23/2020 2:10:00 PM 25/2020 7:50:00 AM				
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	42000	1500	mg/Kg	500	0 7/31/2020 1:36:36 PM	54068
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst	BRM
Diesel Range Organics (DRO)	36	9.7	mg/Kg	1	7/29/2020 10:54:55 PM	53998
Motor Oll Range Organics (MRO)	130	49	mg/Kg	1	7/29/2020 10:54:55 PM	53998
Surr: DNOP	69.1	30.4-154	%Rec	1	7/29/2020 10:54:55 PM	53998
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/28/2020 4:36:37 PM	53975
Surr: BFB	86.4	66.6-105	%Rec	1	7/28/2020 4:36:37 PM	53975
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.024	mg/Kg	1	7/28/2020 4:36:37 PM	53975
Toluene	ND	0.049	mg/Kg	1	7/28/2020 4:36:37 PM	53975
Ethylbenzene	ND	0.049	mg/Kg	1	7/28/2020 4:36:37 PM	53975
Xylenes, Total	ND	0.098	mg/Kg	1	7/28/2020 4:36:37 PM	53975
Surr: 4-Bromofluorobenzene	102	80-120	%Rec	1	7/28/2020 4:36:37 PM	53975

Oualifiers :	٠	Value exceeds Maximum Contaminant Level.	В	Analyte detec
Quantita	ם	Sample Diluted Due to Matrix	E	Value above o
		AT 1 M PL C C C C C C C C C C C C C C C C C C	1	tenlute dates

- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix s
- ected in the associated Method Blank quantitation range

- tected below quantitation limits Analyte Р
- Sample pH Not In Range RL Reporting Limit

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Analytical Report

Lab Order 2007D09

Hall Environmental Analysis Laboratory, Inc.					Date Reported: 8/6/2020				
CLIENT: Talon Artesia			lient Sample						
Project: Chimayo 16 St. 3	Collection Date: 7/23/2020 2:30:00 PM								
Lab ID: 2007D09-009	Matrix: SOIL		Received Da	ite: 7/2	25/2020 7:50:00 AM				
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batcl			
EPA METHOD 300.0: ANIONS					Analyst:	CJS			
Chloride	1300	60	mg/Kg	20	7/30/2020 3:37:01 PM	54068			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	BRM			
Diesel Range Organics (DRO)	68	9.7	mg/Kg	1	7/29/2020 11:19:27 PM	53998			
Motor Oil Range Organics (MRO)	470	48	mg/Kg	1	7/29/2020 11:19:27 PM	53998			
Surr: DNOP	96.1	30.4-154	%Rec	1	7/29/2020 11:19:27 PM	53998			
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	NSB			
Gasoline Range Organics (GRO)	ND	4,6	mg/Kg	1	7/28/2020 5:00:12 PM	53975			
Surr: BFB	85.2	66.6-105	%Rec	1	7/28/2020 5:00:12 PM	53975			
EPA METHOD 8021B: VOLATILES					Analyst:	NSB			
Benzene	ND	0.023	mg/Kg	1	7/28/2020 5:00:12 PM	53975			
Toluene	ND	0.046	mg/Kg	1	7/28/2020 5:00:12 PM	53975			
Ethylbenzene	ND	0.046	mg/Kg	1	7/28/2020 5:00:12 PM	53975			
Xylenes, Total	ND	0.093	mg/Kg	1	7/28/2020 5:00:12 PM	53975			
Surr: 4-Bromofluorobenzene	101	80-120	%Rec	1	7/28/2020 5:00:12 PM	53975			

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

Oualifiers :	•	Value exceeds Maximum Contaminant Lovel.	в	Analyte detected in the associated Method Blank	
2,000000	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Limit	Р	Sanulo pH Not In Range	Page 9
					Pape 9

RL Reporting Limit Page 9 of 17

PQL Practical Quanitative Limit % Recovery outside of range due to dilution or matrix S

Hall Environmental Analys	is Laboratory,	Inc.			Analytical Report Lab Order 2007D09 Date Reported: 8/6/2020)	
CLIENT: Talon Artesia Project: Chimayo 16 St. 3 Lab ID: 2007D09-010	Matrix: SOIL		Client Sample ID: BG-1 0' Collection Date: 7/23/2020 2:40:00 PM Received Date: 7/25/2020 7:50:00 AM				
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS	_	·			Analyst:	MRA	
Chloride	3300	150	mg/Kg	50	7/31/2020 1:49:01 PM	54068	
EPA METHOD 8015M/D: DIESEL RANG	BE ORGANICS				Analyst:	BRM	
Diesel Range Organics (DRO)	ND	9.0	mg/Kg	1	7/29/2020 11:43:50 PM	53998	
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	7/29/2020 11:43:50 PM	53998	
Surr: DNOP	64.5	30.4-154	%Rec	1	7/29/2020 11:43:50 PM	53998	
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst:	NSB	
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/28/2020 5:23:44 PM	53975	
Surr: BFB	90.0	66.6-105	%Rec	1	7/28/2020 5:23:44 PM	53975	
EPA METHOD 8021B: VOLATILES					Analyst:	NSB	
Benzene	ND	0.024	mg/Kg	1	7/28/2020 5:23:44 PM	53975	
Toluene	ND	0.048	mg/Kg	1	7/28/2020 5:23:44 PM	53975	
Ethylbenzene	ND	0.048	mg/Kg	1	7/28/2020 5:23:44 PM	53975	
Xylenes, Total	ND	0.097	mg/Kg	1	7/28/2020 5:23:44 PM	53975	
Surr: 4-Bromofluorobenzene	101	80-120	%Rec	1	7/28/2020 5:23:44 PM	53975	

Oualifiers:	+	Value exceeds Maximum Contaminant Level.
	_	

- Sample Diluted Due to Matrix D н
- Holding times for preparation or analysis exceeded Not Detected at the Reporting Limit
- ND PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank в Value above quantitation range
- Е Analyte detected below quantitation limits J
- Sample pH Not In Range р
- RL Reporting Limit

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Hall Environmental Analysi	Inc.	-60-2010-000-000-000-000-00-00-00-00-00-00-00	.	Analytical Report Lab Order 2007D09 Date Reported: 8/6/2020)		
CLIENT: Talon Artesia Project: Chimayo 16 St. 3 Lab ID: 2007D09-011	Client Sample ID: BG-2 0'Collection Date: 7/23/2020 2:45:00 PMMatrix: SOILReceived Date: 7/25/2020 7:50:00 AM						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	CJS	
Chioride	390	60	mg/Kg	20	7/30/2020 4:26:39 PM	54068	
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	BRM	
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	7/30/2020 12:08:18 AM	53998	
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/30/2020 12:08:18 AM	53998	
Surr: DNOP	55.7	30.4-154	%Rec	1	7/30/2020 12:08:18 AM	53998	
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst	NSB	
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	7/28/2020 5:47:15 PM	53975	
Surr: BFB	88.2	66.6-105	%Rec	1	7/28/2020 5:47:15 PM	53975	
EPA METHOD 8021B: VOLATILES					Analyst	NSB	
Benzene	ND	0.023	mg/Kg	1	7/28/2020 5:47:15 PM	53975	
Toluene	ND	0.046	mg/Kg	1	7/28/2020 5:47:15 PM	53975	
Ethylbenzene	ND	0.046	mg/Kg	1	7/28/2020 5:47:15 PM	53975	
Xylenes, Total	ND	0.092	mg/Kg	1	7/28/2020 5:47:15 PM	53975	
Surr: 4-Bromofluorobenzene	101	80-120	%Rec	1	7/28/2020 5:47:15 PM	53975	

Qualifiers:	٠	Value exceeds Maximum Contaminant Lovel.
~	n	County Distant Data in Matein

- D Sample Diluted Due to Matrix н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- PQL Practical Quanitative Limit S % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank в
- Value above quantitation range Analyte detected below quantitation limits Sample pH Not In Range E J
- Р
- RL Reporting Limit

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Hall Environmental Analysis	Laboratory,	Inc.		20000218855541155175517		Analytical Report Lab Order 2007D09 Date Reported: 8/6/2020			
CLIENT: Talon Artesia Project: Chimayo 16 St. 3 Lab ID: 2007D09-012	Client Sample ID: BG-3 0' Collection Date: 7/23/2020 2:50:00 PM Matrix: SOIL Received Date: 7/25/2020 7:50:00 AM								
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS						Analyst:	CJS		
Chloride	1400	60		mg/Kg	20	7/30/2020 4:39:03 PM	54068		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst:	BRM		
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	7/30/2020 12:32:42 AM	53998		
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/30/2020 12:32:42 AM	53998		
Surr; DNOP	61.9	30.4-154		%Rec	1	7/30/2020 12:32:42 AM	53998		
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	NSB		
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/28/2020 6:10:45 PM	53975		
Surr: BFB	85.2	66.6-105		%Rec	1	7/28/2020 6:10:45 PM	53975		
EPA METHOD 8021B: VOLATILES						Analyst:	NSB		
Benzene	ND	0.023		m g /Kg	1	7/28/2020 6:10:45 PM	53975		
Toluene	ND	0.047		mg/Kg	1	7/28/2020 6:10:45 PM	53975		
Ethylbenzene	ND	0.047		mg/Kg	1	7/28/2020 6:10:45 PM	53975		
Xylenes, Total	ND	0.093		mg/Kg	1	7/28/2020 6:10:45 PM	53975		
Surr: 4-Bromofluorobenzene	100	80-120		%Rec	1	7/28/2020 6:10:45 PM	53975		

Ouali	fiers:
-------	--------

- D Sample Diluted Due to Matrix
- Value exceeds Maximum Contaminant Level. н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

٠

- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank в
- Value above quantitation range Е
- Analyte detected below quantitation limits J
- Sample pH Not In Range ρ RL Reporting Limit

Page 12 of 17

Analytical Report

Lab Order 2007D09

Hall Environmental Analysis		Date Reported: 8/6/2020				
CLIENT: Talon Artesia			lient Sample II			
Project: Chimayo 16 St. 3		•	Collection Dat	e: 7/2	23/2020 2:55:00 PM	
Lab ID: 2007D09-013	Matrix: SOIL		Received Dat	e: 7/2	25/2020 7:50:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batel
EPA METHOD 300.0: ANIONS					Analyst:	MRA
Chloride	29000	1500	mg/Kg	50	0 7/31/2020 2:01:25 PM	54068
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst:	BRM
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	7/30/2020 12:57:10 AM	53998
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/30/2020 12:57:10 AM	53998
Surr: DNOP	82,6	30.4-154	%Rec	1	7/30/2020 12:57:10 AM	53998
EPA METHOD 8015D: GASOLINE RANGI	E				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/28/2020 6:34:16 PM	53975
Surr: BFB	86.3	66.6-105	%Rec	1	7/28/2020 6:34:16 PM	53975
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.023	mg/Kg	1	7/28/2020 6:34:16 PM	53975
Toluene	ND	0.047	mg/Kg	1	7/28/2020 6:34:16 PM	53975
Ethylbenzene	ND	0.047	mg/Kg	1	7/28/2020 6:34:16 PM	53975
Xylenes, Total	ND	0.094	mg/Kg	1	7/28/2020 6:34:16 PM	53975
Surr: 4-Bromofluorobenzene	100	80-120	%Rec	1	7/28/2020 6:34:16 PM	53975

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

Oualifiers :	•	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Me
Quanners	D	Sample Diluted Due to Matrix	E	Value above quantitation range

- H
 Holding times for preparation or analysis exceeded

 ND
 Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix s
- Aethod Blank
- J Analyte detected below quantitation limits Sample pH Not In Range
- Р RL Reporting Limit

Page 13 of 17

Client:

QC SUMMARY REPORT

Talon Artesia

Hall Environmental Analysis Laboratory, Inc.

Project: Chimayo	o 16 St. 3
Sample ID: MB-54063	SampType: mblk TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 54063 RunNo: 70743
Prep Date: 7/30/2020	Analysis Date: 7/30/2020 SeqNo: 2461854 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND 1.5
Sample ID: LCS-54063	SampType: Ics TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 54063 RunNo: 70743
Prep Date: 7/30/2020	Analysis Date: 7/30/2020 SeqNo: 2461855 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	14 1.5 15.00 0 93.2 90 110
Sample ID: MB-54068	SampType: mblk TestCode: EPA Method 300.0; Anions
Client ID: PBS	Batch ID: 54068 RunNo: 70745
Prep Date: 7/30/2020	Analysis Date: 7/30/2020 SeqNo: 2461989 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND 1.5
Sample ID: LCS-54068	SampType: Ics TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 54068 RunNo: 70745
Prep Date: 7/30/2020	Analysis Date: 7/30/2020 SeqNo: 2461990 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	14 1.5 15.00 0 93.7 90 110

Qualifiers:

- ٠ Value exceeds Maximum Contaminant Level. D
- Sample Diluted Due to Matrix Holding times for preparation or analysis exceeded Not Detected at the Reporting Linuit 11

ND

- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix s

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

Page 14 of 17

Page 59 of 144

WO#:

2007D09

06-Aug-20

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2007D09

06-Aug-20

Client: Talon A	rtesia								
Project: Chimayo) 16 St. 3								
Sample ID: LCS-53998	SampType: L	cs	Tes	tCode: El	PA Method	8015M/D: Die	sel Rang	e Organics	
Client ID: LCSS	Batch ID: 5	3998	ł	RunNo: 7	0650				
Prep Date: 7/28/2020	Analysis Date:	7/29/2020	Ş	SeqNo: 24	461015	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50 1(50.00	0	101	70	130			
Surr: DNOP	4.1	5.000		81.5	30.4	154			
Sample ID: MB-53998	SampType: N	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	e Organics	
Client ID: PBS	Batch ID: 5	3998	F	RunNo: 7(0650				
Prep Date: 7/28/2020	Analysis Date: 7	/29/2020	5	SeqNo: 2 4	\$61016	Units: mg/K	J		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND 10								
Motor Oil Range Organics (MRO)	ND 50								
Surr: DNOP	8.9	10.00		89.5	30.4	154			
Sample ID: LCS-54043	SampType: L	CS	Tes	tCode: EF	A Method	8015M/D: Die	sel Range	o Organics	
Client ID: LCSS	Batch ID: 54	1043	Ŕ	lunNo: 70	757				
Prep Date: 7/29/2020	Analysis Date: 7	/30/2020	S	eqNo: 24	62544	Units: %Rec			
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.0	5.000		79.6	30.4	154			
Sample ID: MB-54043	SampType: M	BLK	Test	Code: EP	A Method	8015M/D: Die	sel Range	Organics	
Client ID: PBS	Batch ID: 54	043	R	unNo: 70	757				
Prep Date: 7/29/2020	Analysis Date: 7	/3 0/2 020	s	eqNo: 24	62545	Units: %Rec			
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11	10.00		114	30.4	154			

Qualifiers:

- ٠ Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank в
- Value above quantitation range Е J
 - Analyte detected below quantitation limits
- Р Sample pH Not In Range RL Reporting Linst

Page 15 of 17

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2007D09

06-Aug-20

Client:	Talon Ar	tesia											
Project:	Chimayo	16 St. 3											
Sample ID:	mb-53975	SampT	уре: М	BLK	Tes	TestCode: EPA Method 8015D: Gasoline Range							
Client ID:	PBS	Batch	ID: 53	975	1	RunNo: 7	0649						
Prep Date:	7/27/2020	Analysis D	ate: 7	/28/2020	:	SeqNo: 2	458870	Units: mg/H	(g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Gasoline Range Surr: BFB	e Organics (GRO)	ND 870	5.0	1000		87.0	66.6	105					
Sample ID:	lcs-53975	SampT	ype: LC	s	Tes	tCode: E	PA Method	8015D: Gasc	line Rang	e			
Client ID:	LCSS	Batch	ID: 53	975	F	RunNo: 7	0649						
Prep Date:	7/27/2020	Analysis D	ate: 7/	28/2020	S	SeqNo: 2	458871	Units: mg/M	g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Gasoline Range	Organics (GRO)	19	5.0	25.00	0	77.7	72.5	106					
Surr: BFB		950		1000		94.8	66.6	105					
Sample ID:	2007d09-002ams	SampT	/pe: MS	3	Tes	tCode: E	PA Method	8015D: Gaso	line Rang	6			
Client ID:	S-2 0'R	Batch	ID: 53	975	F	RunNo: 7	0649						
Prep Date:	7/27/2020	Analysis Da	ate: 7/	28/2020	S	SeqNo: 2	458880	Units: mg/K	g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Basoline Range	Organics (GRO)	22	4.9	24.73	0	88.3	61.3	114					
Surr: BFB		950		989.1		95.7	66.6	105					
Sample ID;	2007d09-002amsd	SampTy	pe: MS	3D	Tes	tCode: El	PA Method	8015D: Gaso	line Range	9			
Client ID: 5	5-2 0'R	Batch	ID: 53	975	F	lunNo: 7	0649						
Prep Date:	7/27/2020	Analysis Da	ate: 71	28/2020	S	eqNo: 24	458881	Units: mg/K	g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
	Organics (GRO)	23	4.8	23.99	0	93.9	61.3	114	3.13	20			
Surr: BFB		930		959.7		96.5	66.6	105	0	0			

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Ħ Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

- % Recovery outside of range due to dilution or matrix s
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits Sample pH Not In Range J
- Р
- RL Reporting Limit

Page 16 of 17

Client:

Project:

QC SUMMARY REPORT

Talon Artesia

Chimayo 16 St. 3

Hall Environmental Analysis Laboratory, Inc.

Qualifiers:

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

н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Practical Quanitative Limit PQL

S % Recovery outside of range due to dilution or matrix

Value above quantitation range E J Analyte detected below quantitation limits

Sample pH Not In Range RL.

Р

Reporting Limit

Released to Imaging:	7/21/2023	7:24:50 AM	

WO#:	2007D09
	06-Aug-20

NATE OF

Sample ID: mb-53975	Samp	Туре: М	BLK	K TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Bate	ch ID: 53	3975		RunNo: 7	0649				
Prep Date: 7/27/2020	Analysis	Date: 7	/28/2020		SeqNo: 2	458896	Units: mg/l	۶g		
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	1.0		1.000		101	80	120			
Sample ID: LCS-53975	Samp	Type: LC	s	Tes	tCode: E	PA Method	8021B: Vola	tiles		
Client ID: LCSS	Batc	h ID: 53	975	F	RunNo: 7	0649				
Prep Date: 7/27/2020	Analysis [Date: 7/	/28/2020	5	SeqNo: 2	458897	Units: mg/ł	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.025	1.000	0	83.9	80	120			
Toluene	0.85	0.050	1.000	0	85.3	80	120			
Ethylbenzene	0.87	0.050	1.000	0	87.2	80	120			
Xylenes, Total	2.6	0.10	3.000	0	88.3	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		102	80	120			
Sample ID: 2007d09-001ams	Sampl	fype: MS	3	Tes	tCode: El	PA Method	8021B: Volat	iles	4	
Client ID: S-1 0'R	Batcl	h ID: 53	975	F	RunNo: 70	0649				
Prep Date: 7/27/2020	Analysis [Date: 7/	28/2020	5	SeqNo: 24	458905	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.024	0.9524	0	97.4	78.5	119			
Тоlueле	0.96	0.048	0.9524	0	101	75.7	123			
Ethylbenzene	0.99	0.048	0.9524	0	104	74.3	126			
Xylenes, Total	3.0	0.095	2,857	0	105	72.9	130			
Surr: 4-Bromofluorobenzene	0.99		0.9524		104	80	120			
Sample ID: 2007d09-001amsd	I SampT	ype: MS	D	Test	Code: EF	A Method	8021B: Volat	iles		
Client ID: S-1 0'R	Batch	n ID: 539	975	R	tunNo: 70	649				
Prep Date: 7/27/2020	Analysis D	ate: 7/2	28/2020	S	eqNo: 24	158906	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.023	0.9285	0	99.0	78.5	119	0.930	20	
Toluene	0,96	0.046	0.9285	0	103	75.7	123	0.429	20	
Ethylbenzene	0.99	0.046	0.9285	0	107	74.3	126	0.0559	20	
Xylenes, Total	3.0	0.093	2.786	0	107	72.9	130	1.04	20	
Surr: 4-Bromofluorobenzene	0.96		0.9285		104	80	120	0	0	

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmer TEL: 505-345-3; Website: client:	49) Albuquero 975 FAX:	01 Hav que, Ni 505-3	vkins NE M 87109 45-4107	San	Sample Log-In Check List			
Client Name: Talon Artesia	Work Order Num	ber: 200	7D09			ReptNo: 1			
Received By: Juan Rojas Completed By: Juan Rojas Reviewed By: G (00 a la C la	7/25/2020 7:50:00 / 7/25/2020 8:02:15 /			Glian Glian	ay ay	•• •			
Reviewed By: £1M 7/25/24 <u>Chain of Custody</u> 1. Is Chain of Custody complete? 2. How was the sample delivered?	0	Yes <u>Cou</u>		Νο		Not Present 🗔			
Log In 3. Was an attempt made to cool the samples?		Yes	✓	No					
4, Were all samples received at a temperature	of ≻0° C to 6.0°C	Yes				NA []]			
 Sample(s) In proper container(s)? Sufficient sample volume for indicated test(s) Are samples (except VOA and ONG) properly 		Yes Yes Yes		No No No		_			
 Was preservative added to bottles? Received at least 1 vial with headspace <1/4" 		Yes Yes		No	_	NA 🗌 🔹			
10. Were any sample containers received broker		Yes		No		# of preserved bottles checked			
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes	Y	No		for pH: (<2 or 12 unles	s noted)		
 12. Are matrices correctly identified on Chain of C 13. Is it clear what analyses were requested? 14. Were all holding times able to be met? (If no, notify customer for authorization.) 	Custody?			No No		Adjusted Checked by: <u>JP 7</u>	rs/20		
Special Handling (if applicable)	· • •	.,	r7		—				
15. Was client notified of all discrepancies with the person Notified: By Whom: Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Cooler Information 1 0.2 Good	Date Via;	Yes	îl [Fax	NA 🗹			

Page 1 of 1

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	hain [,]	-of-C	ustody Record	Tum	-Around	Time: 2	1-DA	Y					~ _	_									
Client:	TALON 1	PE	•••		Standard		Rush			調										4E)			
					ect Name		Ttuan	· · ·												RA	TC)R	i v
Mailing	Address	; u.n.	W.TEXAS AVE	- _{Cu}			с. 4	7										tal.co					
	DTTC.D	<u> </u>	BB210	Proje	1MA4(ect #:		54	3											M 87				
	#: 5 75			- í		2.10				T	el. 50)5-34	15-3					-	4107	7			
	n Fax#:		0.040	1	00794 ect Mana		01					a statistica se		f.	-	ysis	Kec	ues			anitai din	s di sue	
	Package:					gon.			(8021)	/ MRO)	د. د		S		SO4			sent					
D Star	-		Level 4 (Full Validation)	R.	PONS				s (8(2	PCB's		PAHs by 8310 or 8270SIMS		ΡO4,			Total Coliform (Present/Absent)					
Accred	itation:	□ Az C	ompliance	1	pler: M	ICHAF	1 Co	TIFE	TMB	DR(82 I	÷	270		NO ₂ , F			sent					
		Othe		On l	:e;	E-Yes	\$	🗆 No	-	10%	s/80	504.	or 8	ю	ž		(A)	(Pre					
) (Type) _. T	1		# of	Coolers:	1			MTBE	0	cide) bot	310	etal	Br, NO ₃ ,			E				ľ	
				000	er remp	(Including C	*): ().	3-0.1=0.2	~	015[esti	Vleth	by 8	8 M	В,	VOV	Sem	olifc					
	·				ainer	Preser	vative		BTEX	TPH:8015D(GRO / DRO	8081 Pesticides/8082	EDB (Method 504.1)	Hs	RCRA 8 Metals	С) Г	8260 (VOA)	8270 (Semi-VOA)	tal C					
Date [®]	Time	Matrix	Sample Name		and #	Туре		7007009			80	<u> </u>	d d	RC	6	82	82	To.					
7/23/20	11:50	501L	5-1 0'R	GLAS	s l	1c= c	2006	-001	\checkmark	V]			$\underline{\vee}$								
·	12:15		5-2 0'B		[[-002							1								
	12:35		5-3 0'R		 			-003															
	12:55		5-4 0'R					-004															
	1:20		5-5 0'B					-005															
	1:40		5-6 0'R					-006		\prod										\neg			-
	2:00		5-7 0'R					-007								-					-		
	2:10		5-8 0'B					-008)			1								
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Date:	Time:			+ .	vəd by: UMM	Via: NES	7	Date Time 24 20 USD	ก	nark REC	s: T B1 ? Te		יס [קאאי)EUG	, ,	ENE	5RG	·ا ۲	. <u></u> 1.	1_	L	1	L
Date: 144	Time: 1960	Relinquis	shed by:	Recei	ved by:	v¶a: ∕ì	serie	Date Time V 7125180 7650		ΠΝ [0#					•			₽ı_	10	= 7			

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Client:		-of-Ci N CPE	ustody Record	Turn-Around	4-DA I □ Rust												NM 3OF			
Mailing	Address	^{3:} 408 1	W. TEXAS AVE	Project Nam	e: <u>165+</u> ₹	3				awk	www ins N	w.hai NE -	llenv	irò n.	men	tal.co				< Y
		1 <u>A</u> - 7 46- 8	<u>UM 88210</u>	-	349.01			Te	əl. 50)5-34	45-3						-4107			
email o		<u> </u>		Project Mana				(نى چە ا		A A		/SIS	Req	uest		aalaada	la qui ti inte	
QA/QC □ Stan	Package: Idard		Level 4 (Full Validation)	R.PONS			TMB's (8021)	/ MRO	°CB's		SIMS		04, SO4			Absent				
	AC	□ Az Co □ Othe	ompliance	Sampler: M	KHAEL CO	UER D No.	/ TMB's	0 / DRC	s/8082 F	04.1)	or 82708		NO ₂₁ PO ₄ ,		4) (1	^o resent _/				
) (Type)	Т		# of Coolers:	1		TBE	o(GR	cides	od 5	310 c	etals	NO ₃ ,		-VO/-	um (F				
Date [:]	Time	Matrix	Sample Name	Container Type and #	Preservative Type	3-0.1=0.2 HEAL No. 70071209	BTEX / MTBE	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	CIJF, Br, NO ₃ ,	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)				
7/23/20	2:55	SOIL	BG-4 01	GLASS 1	ICE/COOL	-013	1	V					V							
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Date:	Time:	Relinquis Mu Relinquis	lell.	Received by: Received by: Received by:	Via:	7/24/20 1150	Dif		s: Bil Ton				l	ENE	 ۶٫۶۰	4				
7/24/20	10-0	W	Manana	Received av:	4	Date Time V 7/25/70 7:50						-					ÎĿ	1 201	FQ	

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



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

September 16, 2020 Rebecca Pons

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

RE: Devon Energy Chimayo 16 St 3

OrderNo.: 2009393

Dear Rebecca Pons:

Hall Environmental Analysis Laboratory received 7 sample(s) on 9/5/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Analy	vsis Laboratory,	Inc.			1.017.848005225	Analytical Report Lab Order 2009393 Date Reported: 9/16/20	20
CLIENT: Talon Artesia		C	lient S	Sample I	D: S-8	3 2'	
Project: Devon Energy Chimayo 16	St 3		Colle	ction Dat	e: 9/1	/2020 1:45:00 PM	
Lab ID: 2009393-001	Matrix: SOIL		Rece	eived Dat	e: 9/5	/2020 7:45:00 AM	
Analyses	Result	RL	Qua	l Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	3200	150		mg/Kg	50	9/14/2020 7:29:14 PM	55118
EPA METHOD 8015D MOD: GASOLII	NE RANGE					Analyst	JMR
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/9/2020 6:47:12 PM	54984
Surr: BFB	107	70-130		%Rec	1	9/9/2020 6:47:12 PM	54984
EPA METHOD 8015M/D: DIESEL RAI	NGE ORGANICS					Analyst	BRM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	9/9/2020 10:19:45 AM	55017
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/9/2020 10:19:45 AM	55017
Surr: DNOP	181	30.4-154	S	%Rec	1	9/9/2020 10:19:45 AM	55017

Oualifiers:	•	Value exceeds Maximum Contaminant Level.	в
2	Ð	Sample Diluted Due to Matrix	E

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

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Hall E	nvironmental Analy	sis Laboratory,	Inc.	alah salara masari			Analytical Report Lab Order 2009393 Date Reported: 9/16/20	20
CLIENT	: Talon Artesia		C	lient S	ample II	D: S-8	3 4'	
Project:	Devon Energy Chimayo 16	St 3		Collect	tion Dat	e: 9/1	/2020 2:30:00 PM	
Lab ID:	2009393-002	Matrix: SOIL		Recei	ved Dat	e: 9/5	/2020 7:45:00 AM	
Analyses	}	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA ME	THOD 300.0: ANIONS						Analyst	CAS
Chloride		1600	60		mg/Kg	20	9/13/2020 1:28:59 PM	55118
EPA MET	THOD 8015D MOD: GASOLI	NE RANGE					Analyst	JMR
Gasoline	e Range Organics (GRO)	ND	5.0		mg/Kg	1	9/9/2020 8:12:59 PM	54984
Surr: I	BFB	102	70-130		%Rec	1	9/9/2020 8:12:59 PM	54984
EPA MET	THOD 8015M/D: DIESEL RAI	NGE ORGANICS					Analyst	BRM
Diesel R	ange Organics (DRO)	ND	9.9		mg/Kg	1	9/9/2020 11:41:19 AM	55017
Motor Oi	il Range Organics (MRO)	ND	49		mg/Kg	1	9/9/2020 11:41:19 AM	55017
Surr: I	DNOP	154	30.4-154	S	%Rec	1	9/9/2020 11:41:19 AM	55017

Oualifiers:	*	Value exceeds Maximum Contantinant Level.	В	Analyte detected in the associated Method Blank
2	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	н	Holding times for preparation or analysis exceeded	j	Analyte detected below quantitation limits

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- Sample pH Not In Range Р
- RL Reporting Limit

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Analytical Report Lab Order 2009393

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 9/16/2020

CLIENT: Talon ArtesiaProject: Devon Energy Chimayo 16Lab ID: 2009393-003	St 3 Matrix: SOIL		Collec		e: 9/2	8 6' 2/2020 11:10:00 AM 5/2020 7:45:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	460	60		mg/Kg	20	9/13/2020 2:06:13 PM	55118
EPA METHOD 8015D MOD: GASOLI	NE RANGE					Analyst:	JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/9/2020 9:38:33 PM	54984
Surr: BFB	102	70-130		%Rec	1	9/9/2020 9:38:33 PM	54984
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS					Analyst:	BRM
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	9/9/2020 12:05:11 PM	55017
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/9/2020 12:05:11 PM	55017
Surr: DNOP	172	30.4-154	S	%Rec	1	9/9/2020 12:05:11 PM	55017

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

Ounlifiers:	*	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method Blank
Zummorov	D	Sample Diluted Due to Matrix	Е	Value above quantilation range
	н	Holding times for preparation or analysis exceeded	1	Analyte detected helow quantitation limits

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix
- P Sample pH Not In Range
- RL Reporting Limit

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Hall E	nvironmental Analysis	Laboratory,	Inc.			er::::::::::::::::::::::::::::::::::::	Analytical Report Lab Order 2009393 Date Reported: 9/16/202	20
CLIENT	: Talon Artesia	nan an anna a' San Anna an Anna	Cl	ient S	ample II	D: S-8	3 8'	
Project:	Devon Energy Chimayo 16 St 3		(Collect	tion Dat	e: 9/2	2/2020 12:30:00 PM	
Lab ID:	2009393-004	Matrix: SOIL		Recei	ved Dat	e: 9/5	/2020 7:45:00 AM	
Analyses	;	Result	RĹ	Qual	Units	DF	Date Analyzed	Batch
EPA MET	THOD 300.0: ANIONS	ante de la compañía em na chaine e parte anna a na anna a s					Analyst:	CAS
Chloride		320	60		mg/Kg	20	9/13/2020 2:18:37 PM	55118
EPA MET	THOD 8015D MOD: GASOLINE I	RANGE					Analyst:	JMR
Gasoline	Range Organics (GRO)	ND	4.9		mg/Kg	1	9/9/2020 10:07:05 PM	54984
Surr: I	BFB	102	70-130		%Rec	1	9/9/2020 10:07:05 PM	54984
EPA MET	HOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst:	BRM
Diesel R	ange Organics (DRO)	ND	10		mg/Kg	1	9/9/2020 12:29:12 PM	55017
Motor Oi	I Range Organics (MRO)	ND	50		mg/Kg	1	9/9/2020 12:29:12 PM	55017
Surr: [DNOP	154	30.4-154	S	%Rec	1	9/9/2020 12:29:12 PM	55017

Oualifiers:	•	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associ
Quanters	Ð	Sample Diluted Due to Matrix	Е	Value above quantitation range

- Holding times for preparation or analysis exceeded н
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix s
- ciated Method Blank
- nge
- J Analyte detected below quantitation limits
- Sample pH Not In Range р RL Reporting Limit

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Hall E	nvironmental Analysi	s Laboratory,	Inc.		2024	Analytical Report Lab Order 2009393 Date Reported: 9/16/20	20
CLIENT:	: Talon Artesia		C	lient Sample I	D: S-	5 2'	
Project:	Devon Energy Chimayo 16 St	3	(Collection Da	te: 9/3	3/2020 12:00:00 PM	
Lab ID:	2009393-005	Matrix: SOIL		Received Da	te: 9/5	5/2020 7:45:00 AM	
Analyses	;	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	THOD 300.0: ANIONS		nana menandakan di kang di Angela dan di			Analyst	CAS
Chloride		1200	59	mg/Kg	20	9/13/2020 2:31:01 PM	55118
EPA MET	THOD 8015D MOD: GASOLINE	RANGE				Analyst	JMR
Gasoline	Range Organics (GRO)	ND	5.0	mg/Kg	1	9/10/2020 12:29:47 AM	54984
Surr: E	BFB	101	70-13 0	%Rec	1	9/10/2020 12:29:47 AM	54984
ЕРА МЕТ	HOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	mb
Diesel Ra	ange Organics (DRO)	49	9.9	mg/Kg	1	9/14/2020 9:30:19 AM	55115
Motor Oil	Range Organics (MRO)	ND	49	mg/Kg	1	9/14/2020 9:30:19 AM	55115
Surr: E	DNOP	101	30.4-154	%Rec	1	9/14/2020 9:30:19 AM	55115

 Not Detected at the Reporting Limit Practical Quanitative Limit % Recovery outside of range due to dilution or matrix

EPA METHOD 8015M/D: DIESEL RANGE ORGANICS

Diesel Range Organics (DRO)

Surr: DNOP

Motor Oil Range Organics (MRO)

Analyst: BRM

55017

55017

55017

9/9/2020 1:46:39 PM

9/9/2020 1:46:39 PM

9/9/2020 1:46:39 PM

Hall Environmental Analysis	Laboratory,	Analytical Report Lab Order 2009393 Inc. Date Reported: 9/16/2020						
CLIENT: Talon Artesia Project: Devon Energy Chimayo 16 St 3 Lab ID: 2009393-006	Matrix: SOIL	5 Trench 2' 3/2020 12:45:00 PM 5/2020 7:45:00 AM	20 12:45:00 PM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	CAS		
Chloride	90	60	mg/Kg	20	9/13/2020 2:43:26 PM	55118		
EPA METHOD 8015D MOD: GASOLINE RA	ANGE				Analyst	JMR		
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	9/10/2020 12:58:19 AM	54984		
Surr: BFB	99.6	70-130	%Rec	1	9/10/2020 12:58:19 AM	54984		

ND

ND

120

9.5

47

30.4-154

mg/Kg 1

1

1

mg/Kg

%Rec

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

Qualifiers:	• D H ND PQL	Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix Holding times for preparation or analysis exceeded Not Detected at the Reporting Limit Practical Quanitative Limit	КГ 1 В В	Analyte detected in the associated Mothod Blank Value above quantitation range Analyte detected below quantitation limits Sample pH Not In Range Reporting Linut	Page 6 of 11
	S	% Recovery outside of range due to dilution or matrix			

Hall Er	vironmental Analys	is Laboratory,	Inc.			Analytical Report Lab Order 2009393 Date Reported: 9/16/20	20
CLIENT: Project:	Talon Artesia Devon Energy Chimayo 16 St	3		ient Sample II Collection Dat		G-3 1' 1/2020 1:00:00 PM	
Lab ID:	2009393-007	Matrix: SOIL		Received Dat	e: 9/5	5/2020 7:45:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst	CAS
Chloride		980	60	mg/Kg	20	9/13/2020 2:55:50 PM	55118
EPA MET	HOD 8015D MOD: GASOLINE	RANGE				Analyst	JMR
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	9/10/2020 1:26:51 AM	54984
Surr: B	FB	100	70-130	%Rec	1	9/10/2020 1:26:51 AM	54984
EPA MET	HOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	BRM
Diesel Ra	nge Organics (DRO)	12	8,9	mg/Kg	1	9/9/2020 2:10:43 PM	55017
Motor Oil	Range Organics (MRO)	ND	45	mg/Kg	1	9/9/2020 2:10:43 PM	55017
Surr: D	NOP	102	30.4-154	%Rec	1	9/9/2020 2:10:43 PM	55017

Oualifiers :	•	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank	
Quantiers.	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	Dree 7 of 11
	PQ1/	Practical Quanitative Limit	RĹ	Reporting Limit	Page 7 of 11
	s	% Recovery outside of range due to dilution or matrix			

Prep Date: 9/13/2020

Sample ID: LCS-55118

Prep Date: 9/13/2020

Client ID: LCSS

Analyte

Chloride

Analyte

Chloride

Hall Env		Y REPORT tal Analysis Laborato	ory, Inc.	WO#:	2009393 16-Sep-20
Client: Project:	Talon A Devon	Artesia Energy Chimayo 16 St 3			
Sample ID: MI	3-55118	SampType: mblk	TestCode: EPA Method 300.0: Anions		
Client ID: PE	s	Batch ID: 55118	RunNo: 71822		

SPK value SPK Ref Val %REC LowLimit

SPK value SPK Ref Val %REC LowLimit

0

SeqNo: 2513386

RunNo: 71822

90.6

SeqNo: 2513387

TestCode: EPA Method 300.0: Anions

90

Units: mg/Kg HighLimit

Units: mg/Kg

110

HighLimit

%RPD

%RPD

RPDLimit

RPDLimit

Qual

Qual

Analysis Date: 9/13/2020

SampType: Ics

Balch ID: 55118

Analysis Date: 9/13/2020

PQL

1.5

15.00

PQL

1.5

Result

Result

14

ND

Qualifiers: *

- Value exceeds Maximum Contaminant Level. D
- Sample Diluted Duo to Matrix
- н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- POL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank в
- Value above quantitation range E
- Analyte detected below quantitation limits 1
- Sample pH Not In Range Р
- RL. Reporting Linui

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2009393

16-Sep-20

Client:Talon AProject:Devon	Artesia Energy Chimayo 16 St 3
Sample ID: MB-55017	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 55017 RunNo: 71698
Prep Date: 9/8/2020	Analysis Date: 9/9/2020 SeqNo: 2509092 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	12 10.00 116 30.4 154
Sample ID: LCS-55019	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 55019 RunNo: 71721
Prep Date: 9/9/2020	Analysis Date: 9/10/2020 SeqNo: 2511324 Units: %Rec
Analyte	Result PQL SPK value SPK Ref Vat %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	4.3 5.000 85.1 30.4 154
Sample ID: MB-55019	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 55019 RunNo: 71721
Prep Date: 9/9/2020	Analysis Date: 9/10/2020 SeqNo: 2511325 Units: %Rec
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	9.3 10.00 92.5 30.4 154
Sample ID: MB-55115	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 55115 RunNo: 71810
Prep Date: 9/12/2020	Analysis Date: 9/14/2020 SeqNo: 2512645 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 9.5 10.00 95.4 30.4 154
Surr: DNOP	9.5 10.00 95.4 30.4 134
Sample ID: LCS-55115	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 55115 RunNo: 71810
Prep Date: 9/12/2020	Analysis Date: 9/14/2020 SeqNo: 2512649 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	45 10 50.00 0 90.5 70 130
Surr: DNOP	4.2 5.000 84.5 30.4 154

Qualifiers:

+ Volue exceeds Maximum Contaminant Lovel.

D

Sample Diluted Due to Matrix Holding times for preparation or analysis exceeded н

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix S

Analyte detected in the associated Method Blank в

Value above quantitation range Е

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Linut Page 10 of 11

QC SUMMARY REPORT

Quat	ifiers:
•	Value exceeds Maximum Contaminant Level.

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

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

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Client: Project:	Talon Ar Devon E	tesia nergy Chir	nayo l	6 St 3							
Sample ID:	lcs-54984	SampT	Гуре: L	cs	Tes	tCode: E	PA Method	8015D Mod:	Gasoline	Range	
Client ID:	LCSS	Batcl	h ID: 54	1984	i	RunNo: 7	1719				
Prep Date:	9/6/2020	Analysis E	Date: 9	/9/2020	:	SeqNo: 2	508976	Units: mg/I	≺g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	e Organics (GRO)	21	5.0	25.00	0	84.3	70	130		9839999999977799999999999999999999999	****
Surr: BFB		500		500.0		99.4	70	130			
Sample ID:	mb-54984	SampT	ype: M	BLK	Tes	tCode: E	PA Method	8015D Mod:	Gasoline	Range	
Client ID:	PBS	Batch	n ID: 54	984	F	RunNo: 7	1 71 9				
Prep Date:	9/6/2020	Analysis D	ate: 9	/9/2020	5		508977	Units: mg/H	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Jasoline Range	Organics (GRO)	ND	5.0								
Surr: BFB		500		500.0		101	70	130			
Sample ID: ;	2009393-002ams	SampT	уре: М	s	Tes	Code: El	PA Method	8015D Mod:	Gasoline	Range	
Client ID:	S-8 4'	Batch	D: 54	984	F	unNo: 7	1719				
Prep Date:	9/6/2020	Analysis D	ate: 9/	/9/2020	S	eqNo: 2	508993	Units: mg/H	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sasoline Range	Organics (GRO)	20	5.0	24.83	0	81.6	49.2	122			
Surr: BFB		500		496.5		101	70	130			
Sample ID: :	2009393-002amsd	SampT	ype: MS	SD	Test	Code: El	PA Method	8015D Mod:	Gasoline I	Range	
Client ID: 5	S-8 4'	Batch	ID: 54	984	R	unNo: 7	1719				
Prep Date:	9/6/2020	Analysis D	ate: 9/	9/2020	S	eqNo; 2	508994	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
•	Organics (GRO)	21	5.0	24.88	0	83.3	49.2	122	2.24	20	
Surr: BFB		520		497.5		104	70	130	0	0	

Hall Environmental Analysis Laboratory, Inc. 1.000

WO#: 2009393

16-Sep-20

ANAL	Ronmen Ysis Dratory	TAL	TEL: 505-3		901 (Ia rque, N X: 505-,	wkins NE /M 87109 345-4107								
Client Name:	Talon Arte	esia	Work Order N	lumber: 20	09393			RcptNo: 1						
Received By:	Juan Ro	jas	9/5/2020 7:45:0	10 AM		1400	nay) nay)	L						
Completed By:	Juan Ro	jas	9/5/2020 8:06:1	4 AM		4 lun	nege	L						
Reviewed By:	JE 91	15/20				,								
<u>Chain of Cus</u>	<u>stody</u>													
1. Is Chain of C	Custody com	plete?		Yes	s 🔽	N	o 🗌	Not Present						
2. How was the	sample deli	vered?		Co	urier									
<u>Log In</u> 3. Was an atten	npt made to	cool the samp	les?	Yes	. 🔽	No	» []	NA 🗌						
4, Were all sam	ples receive	d at a tempera	ture of >0° C to 6.0°C	Yes		No		NA 🗌						
5. Sample(s) in	proper conta	ainer(s)?		Yes		No								
6, Sufficient sam	nple volume	for indicated te	est(s)?	Yes		No								
7. Are samples (except VOA	and ONG) pro	perly preserved?	Yes	\checkmark	No								
8. Was preserva	tive added to	o bottles?		Yes	\square	No	\mathbf{V}	NA 🗌						
9. Received at le	ast 1 vial wi	th headspace ·	<1/4" for AQ VOA?	Yes		No		NA 🗹						
10. Were any san				Yes		No	V	periodical de la compañía de la comp	and the second s					
11. Does paperwo (Note discrepa				Yes		No		# of preserved bottles checked for pH: {<2 or >12 u	inless noted)					
12. Are matrices o		•		Yes	V	No		Adjusted?	-					
13. Is it clear what	l analyses w	ere requested?	2	Yes	V	No			5 d 2 5					
14, Were all holdin (If no, notify cu				Yes		No		Checked by: ≤ 1 -	11-7-5-20					
<u>Special Handli</u>	ing (if app	olicable)												
15, Was client not	tified of all d	iscrepancies w	ilh this order?	Yes		No		NA 🗹						
Person	Notified:		Da	te										
By Who	m:		Via	i: 🗌 eMa	ail []] Phone [Fax	📋 In Person						
Regardi	-					**************************************		and the second						
Client In	Istructions:				· · · · ·	·								
16. Additional ren	narks:													
17. Cooler Inform	The state of the s	New States	- Andrewski - Maria	1	Sec. 1	sa n a kata kata kata kata kata kata kata ka	<u>.</u> 	3						
Cooler No	Temp ℃ 1.4	Condition Good	Seal Intact Seal No	Seal Di	ate	Signed	by in							
2	1.3	Good												

Page 1 of 1

Olient:	<u>n/L</u>	15tody FE F:1e	Record	Turn-Around Time: 4-day Standard I Rush Project Name: Devon Energy Chimaro 16 St 3 Project #				HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107								'								
Phone #	······································				700794.349.01						56 S			t se		Init	ae	Rec	Ves				in de la com	
email or			}		Project M	Project Managor:				÷						SOI						<u>2000000000000000000000000000000000000</u>		8-2029-2-
QA/QC F			🗆 Level 4 ((Full Validation)	R Pons				1 1 TMB's (8021)	O / MR	PCB's		SIMS		PO			t/Abset						
			mpliance		Sampler:	Sampler: B Sinclair			BM	DR	082	(÷	3270		NO ₂ ,			sen						
		□ Other			On Ice:		_⊒-Yes	🗆 No			SO.	ss/8	504	or {	S			(A	(Pre					
	(type)	1			# of Coole			<u> </u>		18	0(G	icide	por	310	letal	Ŝ.	2	i-VC	E E					
Date	Time	Matrix	Sample N	lame	Container Type and		Preservative	,5-0.1= 1-4-0 HE	./=(. <u>7</u> AL No.	BTEX/MTBE/	PH)8015	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	(ci) F, Br, NO ₃ ,	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)					
q., 1	13:45	50:1	5-8 2	- MMAHATA	402 10						17	8	_Щ	<u> </u>		$\underline{\circ}$	8	<u> 80</u>	F					
1	14:30		5-8 4	1 HWHANBISS	102,0	<u>97</u>	1.5			+	$\frac{1}{7}$					V Z								
	: 1.50 11:15		5-8 6				i i		<u>002</u>		<u> v</u> _					$\frac{\sqrt{2}}{2}$								
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	12:30		5-8 8	7			}		004		V.													
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	12:45			reach 2'	ļ <u>i</u>				<u> 105</u>		V													
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Date: 9/4/20	Time: 1700	Relinquish	ed by: Unnana	10	Received by	;	Via: 0 X (OC WHER	Date 9/17	Time	B:								D	e V	sл				
Į.	f necessary	, samples sul		virgimental may be sub	contracted to atr	ier ad		es. This serve	es as notice of th	nis poss	ibility.	Any st	ıb-con	tracted	i data	will be	clearl	y nota	ited on	the an	alytical	report.		



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

September 28, 2020

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

OrderNo.: 2009A94

Dear Rebecca Pons:

RE: Chimayo 16 ST.3

Hall Environmental Analysis Laboratory received 11 sample(s) on 9/18/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmenta	Analysis Laboratory,	Inc.			Analytical Report Lab Order 2009A94 Date Reported: 9/28/20	20
CLIENT: Talon Artesia		Cl	lient Sample II	D:BC	G-5 0'	
Project: Chimayo 16 ST.3		(Collection Dat	e: 9/1	6/2020 10:00:00 AM	
Lab ID: 2009A94-001	Matrix: SOIL		Received Dat	e: 9 /1	8/2020 8:00:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0; ANIO	IS .				Analyst	: JMT
Chloride	7600	300	mg/Kg	100	9/25/2020 8:39:32 PM	55410
EPA METHOD 8015D MOD:	GASOLINE RANGE				Analyst	DJF
Gasoline Range Organics (GR	O) ND	5.0	mg/Kg	1	9/21/2020 1:37:43 PM	55280
Surr: BFB	105	70-130	%Rec	1	9/21/2020 1:37:43 PM	55280
EPA METHOD 8015M/D: DI	SEL RANGE ORGANICS				Analyst	mb
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	9/19/2020 12:43:17 PM	55271
Motor Oil Range Organics (MF	O) 90	49	mg/Kg	1	9/19/2020 12:43:17 PM	55271
Surr: DNOP	103	30.4-154	%Rec	1	9/19/2020 12:43:17 PM	55271

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

		, more and a second s			
Oualifiers :	•	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank	
X	D	Sample Diluted Due to Matrix	Е	Value above quantitation range	
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Limit	þ	Sample pH Not in Range	Dece 1 of 14
	PQL	Practical Quanitative Limit	RL	Reporting Linut	Page 1 of 14
	S	% Recovery outside of range due to dilution or matrix			
		· · · · · · · · · · · · · · · · · · ·			

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Motor Oil Range Organics (MRO)

Surr: DNOP

Hall Environmental Analy	sis Laboratory,	Inc.	ay along the second			Analytical Report Lab Order 2009A94 Date Reported: 9/28/202	20
CLIENT: Talon Artesia Project: Chimayo 16 ST.3 Lab ID: 2009A94-002	Matrix: SOIL			on Dat	e: 9/1	G-6 0' 6/2020 10:10:00 AM 8/2020 8:00:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	CAS
Chloride	490	59		mg/Kg	20	9/24/2020 5:06:29 PM	55410
EPA METHOD 8015D MOD: GASOLI	NE RANGE					Analyst:	DJF
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/21/2020 2:06:11 PM	55280
Surr: BFB	97.5	70-130		%Rec	1	9/21/2020 2:06:11 PM	55280
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS					Analyst:	mb
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	9/19/2020 12:53:04 PM	55271

ND

100

47

30.4-154

mg/Kg

%Rec

1

1

9/19/2020 12:53:04 PM 55271

9/19/2020 12:53:04 PM 55271

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Particular products on 1711					
Oualifiers :	٠	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method Blank	
2	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	н	Holding times for preparation or analysis exceeded	L	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Limit	р	Sample pH Not In Range	Page 2 of 14
	PQL	Practical Quanitative Limit	RL	Reporting Limit	rage 2 01 14
	S	% Recovery outside of range due to dilution or matrix			

Hall Environmental Ana	Inc.			Analytical Report Lab Order 2009A94 Date Reported: 9/28/20	20		
CLIENT: Talon Artesia Project: Chimayo 16 ST.3			ient Sample II Collection Dat		G-7 0' 6/2020 11:40:00 AM		
Lab ID: 2009A94-003	Matrix: SOIL		Received Dat	e: 9/1	8/2020 8:00:00 AM		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	CAS	
Chloride	ND	60	mg/Kg	20	9/24/2020 5:18:53 PM	55410	
EPA METHOD 8015D MOD: GASO	LINE RANGE				Analyst	DJF	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/21/2020 2:34:48 PM	55280	
Surr: BFB	106	70-130	%Rec	1	9/21/2020 2:34:48 PM	55280	
EPA METHOD 8015M/D: DIESEL R	ANGE ORGANICS				Analyst	mb	
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	9/19/2020 1:02:51 PM	55271	
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	9/19/2020 1:02:51 PM	55271	
Surr: DNOP	99.3	30.4-154	%Rec	1	9/19/2020 1:02:51 PM	55271	

•	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank	
D	Sample Diluted Due to Matrix	E	Value above quantitation range	
н	Holding times for preparation or analysis exceeded	1	Analyte detected below quantitation limits	
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range	Page 3 of 14
PQL	Practical Quanitative Limit	RL	Reporting Limit	Fage 5 OF 14
s	% Recovery outside of range due to dilution or matrix			
	ND	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	D Sample Diluted Due to Matrix E H Holding times for preparation or analysis exceeded J ND Not Detected at the Reporting Limit P PQL Practical Quanitative Limit RL	D Sample Diluted Due to Matrix E Value above quantitation range H Holding times for preparation or analysis exceeded J Analyte detected below quantitation limits ND Not Detected at the Reporting Limit P Sample pH Not In Range PQL Practical Quantitative Limit RL Reporting Limit

Hall E	nvironmental Analy	ysis Laboratory,	Inc.		in a state want das	Analytical Report Lab Order 2009A94 Date Reported: 9/28/20:	20
	Talon Artesia			lient Sample II			
Project: Lab ID:	Chimayo 16 ST.3 2009A94-004	Matrix: SOIL	Collection Date: 9/16/2020 10:30:00 AM trix: SOIL Received Date: 9/18/2020 8:00:00 AM				
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst	CAS
Chloride		210	60	mg/Kg	20	9/24/2020 5:31:18 PM	55410
EPA MET	HOD 8015D MOD: GASOLI	NE RANGE				Analyst:	DJF
Gasoline	Range Organics (GRO)	ND	5.0	mg/Kg	1	9/21/2020 3:03:18 PM	55280
Surr: E	3FB	104	70-130	%Rec	1	9/21/2020 3:03:18 PM	55280
EPA MET	HOD 8015M/D: DIESEL RAI	NGE ORGANICS				Analyst:	mb
Diesel Ra	ange Organics (DRO)	ND	10	mg/Kg	1	9/19/2020 1:12:39 PM	55271
Motor Oil	Range Organics (MRO)	ND	50	mg/Kg	1	9/19/2020 1:12:39 PM	55271
Surr: D	NOP	103	30.4-154	%Rec	1	9/19/2020 1:12:39 PM	55271

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

Oualifiers :	٠	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method Blank
C	Ð	Sample Diluted Due to Matrix	E	Value above quantitation range

- н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix s
- Analyte detected below quantitation limits Sample pH Not In Range Reporting Limit) P
- RL

Page 4 of 14

Hall E	nvironmental Analy	ysis Laboratory,	Inc.	11111 AUTO 1111111		Analytical Report Lab Order 2009A94 Date Reported: 9/28/20	20
CLIENT:	Talon Artesia		Cl	ient Sample I	D: S-	6A 1.5'R	
Project:	Chimayo 16 ST.3		(Collection Da	te: 9/3	16/2020 11:10:00 AM	
Lab ID:	2009A94-005	Matrix: SOIL		Received Da	te: 9/1	18/2020 8:00:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst	CAS
Chloride		1500	60	mg/Kg	20	9/24/2020 5:43:43 PM	55410
EPA MET	HOD 8015D MOD: GASOLI	NE RANGE				Analyst	DJF
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	9/21/2020 3:31:48 PM	55280
Surr: E	3FB	104	70-130	%Rec	1	9/21/2020 3:31:48 PM	55280
EPA MET	HOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst	mb
Dlesel Ra	ange Organics (DRO)	23	9.4	mg/Kg	1	9/19/2020 1:22:28 PM	55271
Motor Oil	Range Organics (MRO)	140	47	mg/Kg	1	9/19/2020 1:22:28 PM	55271
Surr: E	DNOP	92.1	30.4-154	%Rec	1	9/19/2020 1:22:28 PM	55271

Qualifiers:	•	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method Blank	
	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	D 6 . 6 14
	PQL	Practical Quanitative Limit	RL	Reporting Limit	Page 5 of 14
	S	% Recovery outside of range due to dilution or matrix			

Hall Environmental Analysis Laboratory, Inc.

Analytical Report	
Lab Order 2009A94	

Date Reported: 9/28/2020

		J J J	12127, 14214 (MILE) 1117 (MILE)		ana afran farm far	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	: Talon Artesia			lient Sample I			
Project:	Chimayo 16 ST.3		•			6/2020 11:00:00 AM	
Lab ID:	2009A94-006	Matrix: SOIL		Received Dat	e: 9/1	8/2020 8:00:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA ME	THOD 300.0: ANIONS					Analyst	CAS
Chloride	;	2400	60	mg/Kg	20	9/24/2020 6;20:56 PM	55410
EPA MET	THOD 8015D MOD: GASOL	INE RANGE				Analyst	DJF
Gasoline	e Range Organics (GRO)	ND	4.9	mg/Kg	1	9/21/2020 4:00:18 PM	55280
Surr: I	BFB	102	70-130	%Rec	1	9/21/2020 4:00:18 PM	55280
EPA MET	THOD 8015M/D: DIESEL RA	ANGE ORGANICS				Analyst:	mb
Diesel R	ange Organics (DRO)	62	9.9	mg/Kg	1	9/19/2020 1:32:26 PM	55271
Motor Oi	I Range Organics (MRO)	350	49	mg/Kg	1	9/19/2020 1:32:26 PM	55271
Surr: I	DNOP	93.2	30.4-154	%Rec	1	9/19/2020 1:32:26 PM	55271

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

Oualifiers:	+	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank	
×,	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	н	Holding times for preparation or analysis exceeded	3	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	Page 6 of 14
	PQL	Practical Quanitative Limit	RL	Reporting Limit	rage 0 01 14
	S	% Recovery outside of range due to dilution or matrix			

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MOTOR

Analytica	l Report	
Lab Order 2	2009A94	

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 9/28/2020

CLIENT:Talon ArtesiaProject:Chimayo 16 ST.3Lab ID:2009A94-007	Matrix: SOIL		Collec		t e: 9 /1	l 4'R 6/2020 10:40:00 AM 8/2020 8:00:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	JMT
Chloride	5300	300		mg/Kg	100	9/25/2020 9:16:34 PM	55410
EPA METHOD 8015D MOD: GASOLI	NE RANGE					Analyst:	DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/21/2020 4:28:47 PM	55280
Surr: BFB	99.4	70-130		%Rec	1	9/21/2020 4:28:47 PM	55280
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS					Analyst:	mb
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/19/2020 1:42:23 PM	55271
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/19/2020 1:42:23 PM	55271
Surr: DNOP	163	30.4-154	S	%Rec	1	9/19/2020 1:42:23 PM	55271

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Qualifiers:	•	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank	
•	p	Sample Diluted Due to Matrix	E	Value above quantitation range	
	11	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	
	ND Not Detected at the Reporting Limit		Р	Sample pH Not In Range	Page 7 of 14
	PQL	Practical Quanitative Limit	RL	Reporting Limit	rage / 01 14
	s	% Recovery outside of range due to dilution or matrix			

Hall Env	vironmental Analy	ysis Laboratory,	Inc.		gyhyddia peloa	Analytical Report Lab Order 2009A94 Date Reported: 9/28/20	20		
0	[°] alon Artesia Chimayo 16 ST.3	Client Sample ID: S-12 2'R Collection Date: 9/16/2020 10:20:00 AM							
Lab ID: 2	009A94-008	Matrix: SOIL	Matrix: SOIL Received Date: 9/18/2020 8:00:00 AM						
Analyses		Result	RL	Qual Units	ÐF	Date Analyzed	Batch		
EPA METHO	OD 300.0: ANIONS					Analyst	CAS		
Chloride		910	60	mg/Kg	20	9/24/2020 6:45:45 PM	55410		
EPA METHO	DD 8015D MOD: GASOLI	NE RANGE				Analyst	DJF		
Gasoline Ra	ange Organics (GRO)	ND	5.0	mg/Kg	1	9/21/2020 4:57:19 PM	55280		
Surr: BFE	3	101	70-130	%Rec	1	9/21/2020 4:57:19 PM	55280		
EPA METHO	DD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst	mb		
Diesel Rang	je Organics (DRO)	12	9.5	mg/Kg	1	9/19/2020 1:52:18 PM	55271		
Motor Oil Ra	ange Organics (MRO)	ND	47	mg/Kg	1	9/19/2020 1:52:18 PM	55271		
Surr: DNC	OP	100	30.4-154	%Rec	1	9/19/2020 1:52:18 PM	55271		

Oualifiers :		Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method Blank	
Quinnerai	D	Sample Diluted Due to Matrix	Е	Value above quantitation range	
	н	Holding times for preparation or analysis exceeded	L	Analyto detected below quantitation limits	
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not in Range	Page 8 of 14
	PQL	Practical Quanitative Limit	RL	Reporting Limit	Page 8 01 14
	s	% Recovery outside of range due to dilution or matrix			

Hall E	nvironmental Analy	vsis Laboratory,	Inc.	2001 mar destanter se ses an anna des		Analytical Report Lab Order 2009A94 Date Reported: 9/28/20	20			
CLIENT:	Talon Artesia		Client Sample ID: S-16 1.5-2'R							
Project:	Chimayo 16 ST.3		C	Collection Dat	e: 9/1	6/2020 12:00:00 PM				
Lab ID:	2009A94-009	Matrix: SOIL	Matrix: SOIL Received Date: 9/18/2020 8:00:00 AM							
Analyses		Result	RL	Qual Units	DF Date Analyzed		Batch			
EPA MET	THOD 300.0: ANIONS					Analyst	: JMT			
Chloride		7100	300	mg/Kg	100	9/25/2020 9:28:55 PM	55410			
EPA MET	THOD 8015D MOD: GASOLI	NE RANGE				Analyst	DJF			
Gasoline	e Range Organics (GRO)	ND	4.9	mg/Kg	1	9/21/2020 5:25:50 PM	55280			
Surr: I	3FB	106	70-130	%Rec	1	9/21/2020 5:25:50 PM	55280			
EPA MET	HOD 8015M/D: DIESEL RAI	NGE ORGANICS				Analyst	mb			
Diesel R	ange Organics (DRO)	ND	9.3	mg/Kg	1	9/19/2020 2:02:13 PM	55271			
Motor Oi	Range Organics (MRO)	ND	47	mg/Kg	1	9/19/2020 2:02:13 PM	55271			
Surr: E	DNOP	104	30.4-154	%Rec	1	9/19/2020 2:02:13 PM	55271			

Oualifiers:	*	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method Blank	
• • • • •	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range	Page 9 of 14
	PQL.	Practical Quanitative Limit	RL	Reporting Limit	rage 9 01 14
	S	% Recovery outside of range due to dilution or matrix			

Hall Environmental Analysis Laboratory, Inc. Analytical Reported: 9 Lab Order 2009/ Date Reported: 9									
CLIENT: Talon Artesia		Client Sample ID: S-17 1.5-2'R Collection Date: 9/16/2020 11:50:00 AM Matrix: SOIL Received Date: 9/18/2020 8:00:00 AM							
Project: Chimayo 16 ST.3									
Lab ID: 2009A94-010	Matrix: SOIL								
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst	: JMT			
Chloride	3000	150	mg/Kg	50	9/25/2020 9:41:15 PM	55409			
EPA METHOD 8015D MOD: GASOLI	NE RANGE				Analyst	DJF			
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/21/2020 5:54:19 PM	55280			
Surr: BFB	101	70-130	%Rec	1	9/21/2020 5:54:19 PM	55280			
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst	mb			
Dlesel Range Organics (DRO)	20	9.2	mg/Kg	1	9/19/2020 2:12:07 PM	55271			
Motor Oil Range Organics (MRO)	140	46	mg/Kg	1	9/19/2020 2:12:07 PM	55271			
Surr: DNOP	92.4	30.4-154	%Rec	1	9/19/2020 2:12:07 PM	55271			

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Oualifiers:	٠	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank	
x	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	Daga 10 af 11
	PQL.	Practical Quanitative Linut	RL	Reporting Limit	Page 10 of 14
	S	% Recovery outside of range due to dilution or matrix			

Hall Environmental Analy	ysis Laboratory,	Inc.		(7470) HI V 111/201	Analytical Report Lab Order 2009A94 Date Reported: 9/28/20	20		
CLIENT: Talon Artesia		Cl	Client Sample ID: S-18 1.5'R					
Project: Chimayo 16 ST.3		(Collection Dat	e: 9/1	6/2020 11:30:00 AM			
Lab ID: 2009A94-011	Matrix: SOIL		e: 9/1	18/2020 8:00:00 AM				
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	MRA		
Chloride	1000	60	mg/Kg	20	9/24/2020 4:01:55 PM	55409		
EPA METHOD 8015D MOD: GASOLI	NE RANGE				Analyst	DJF		
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/21/2020 6:22:48 PM	55280		
Surr: BFB	106	70-130	%Rec	1	9/21/2020 6:22:48 PM	55280		
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst	mb		
Diesel Range Organics (DRO)	11	9.8	mg/Kg	1	9/19/2020 2:22:01 PM	55271		
Motor Oll Range Organics (MRO)	69	49	mg/Kg	1	9/19/2020 2:22:01 PM	55271		
Surr: DNOP	112	30.4-154	%Rec	1	9/19/2020 2:22:01 PM	55271		

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Oualifiers:	٠	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method Blank	
	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Limit	ч	Sample pH Not In Range	Deep 11 of 14
	PQL	Practical Quanitative Limit	RL.	Reporting Limit	Page 11 of 14
	S	% Recovery outside of range due to dilution or matrix			

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2009A94

28-Sep-20 -

	Ion Artesia							
Project: Ch	imayo 16 ST.3							
Sample ID: MB-55410	SampType: mblk Test	TestCode: EPA Method 300.0: Anions						
Client ID: PBS	Batch ID: 55410 R	unNo: 72143						
Prep Date: 9/23/2020	Analysis Date: 9/24/2020 S	eqNo: 2528909 Units: mg/Kg						
Analyte Chloride	Result PQL SPK value SPK Ref Val ND 1.5	%REC LowLimit HighLimit	%RPD RPDLimit Qual					
Sample ID: LCS-55410		Code: EPA Method 300.0: Anions						
Client ID: LCSS	Batch ID: 55410 R	unNo: 72143						
Prep Date: 9/23/2020	Analysis Date: 9/24/2020 S	eqNo: 2528910 Units: mg/Kg						
Analyte	Result PQL SPK value SPK Ref Val	%REC LowLimit HighLimit 9	%RPD RPDLimit Qual					
Chloride	14 1.5 15.00 0	94.7 90 110						
Sample ID: MB-55409	SampType: mblk Test	Code: EPA Method 300.0: Anions						
Client ID: PBS	Batch ID: 55409 Rt	inNo: 72148						
Prep Date: 9/23/2020	Analysis Date: 9/24/2020 Se	qNo: 2529059 Units: mg/Kg						
Analyte	Result PQL SPK value SPK Ref Val	%REC LowLimit HighLimit %	&RPD RPDLimit Qual					
Chloride	ND 1.5							
Sample ID: LCS-55409	SampType: Ics Test	Code: EPA Method 300.0: Anions						
Client ID: LCSS	Batch ID: 55409 Ru	nNo: 72148						
Prep Date: 9/23/2020	Analysis Date: 9/24/2020 Se	qNo: 2529060 Units: mg/Kg						
Analyte	Result PQL SPK value SPK Ref Val	%REC LowLimit HighLimit %	6RPD RPDLimit Qual					
Chloride	14 1.5 15.00 0	94.5 90 110						

Qualifiers:

- . Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Linuit
- % Recovery outside of range due to dilution or matrix s
- в Analyte detected in the associated Method Blank
- Е
- Value above quantitation range Analyte detected below quantitation limits J
- Sample pH Not In Range Р
- RL. Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: 2009A94 28-Sep-20

Client: Talon / Project: Chimay	Artesia /o 16 ST.3									
Sample ID: LCS-55271	Samp	Гуре: LC	cs	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	** * *
Client ID: LCSS Batch ID: 55271			F	RunNo: 71994						
Prep Date: 9/18/2020	Analysis (Date: 9	/19/2020	Ş	SeqNo: 2	520477	Units: mg/H	(g		
Analyle	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.4	70	130			
Surr: DNOP	4.8		5.000		95.5	30.4	154			
Sample ID: MB-55271	SampT	Гуре: МІ	3LK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batc	h ID: 55	271	F	lunNo: 7	994				
Prep Date: 9/18/2020	Analysis D)ate: 9/	19/2020	S	eqNo: 2	520482	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Notor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		109	30.4	154			

Qualifiers:

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

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QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#: 2009A94

28-Sep-20

Client: Talon A Project: Chimay	Artesia vo 16 ST.3									
Sample ID: mb-55280	Samp	Гуре: МІ	BLK	Tes	tCode: E	PA Method	8015D Mod:	Gasoline	Range	
Client ID: PBS	Batch ID: 55280			ł	RunNo: 71999					
Prep Date: 9/19/2020	Analysis [Date: 9/	20/2020	:	SegNo: 2	521020	Units: mg/H	۲g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 520	5.0	500.0		104	70	130			
Sample ID: Ics-55280	Samp1	ype: LC	S	Tes	tCode: El	PA Method	8015D Mod:	Gasoline	Range	
Client ID: LCSS	Batch	n ID: 55	280	F	RunNo: 7	19 99				
Prep Date: 9/19/2020	Analysis D	ate: 9/	20/2020	5	eqNo: 2	521021	Units: mg/K	ģ		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	91.4	70	130			
Surr: BFB	520		500.0		104	70	130			

Qualifiers:

- ٠ Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- в Analyte detected in the associated Method Blank
- E Value above quantitation range 3
- Analyte detected below quantitation limits
- Sample pH Not In Range Reporting Limit р RL

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Released to Imaging: 7/21/2023 7:24:50 AM

HALL ENVIRONMENTAL ANALYSIS LABORATORY	TEL: 505-34;	mental Analysis Labo. 4901 Hawki Albuquerque, NM 6 5-3975 FAX: 505-345 2016.kallenvironmenta	ns NE 87109 Sa -4107	mple Log-In Check List
Client Name: Talon Artesia	Work Order Nu	Imber: 2009A94		ReptNo: 1
Received By: Cheyenne Cason Completed By: Juan Rojas	9/18/2020 8:00:0 9/18/2020 8:54:0		Heaver	2.
	4/18/Er		9	
Chain of Custody				
 Is Chain of Custody complete? 		Yes 🔽	No 🗌	Not Present
2. How was the sample delivered?		Courier		
Log In		_		
3. Was an attempt made to cool the samples?		Yes 🗹	No 🗌	NA 🗌
4. Were all samples received at a temperature	of >0° C to 6.0°C	Yes 🔽	No 🗌	
5. Sample(s) in proper container(s)?		Yes 🔽	No 🗌	
6. Sufficient sample volume for indicated test(s)?	Yes 🔽	No 🗔	
7. Are samples (except VOA and ONG) propert		Yes 🔽	No 🗌	
8. Was preservative added to bottles?		Yes	No 🔽	NA []]
9. Received at least 1 vial with headspace <1/4	' for AQ VOA?	Yes	No 🗌	NA 🗹
10, Were any sample containers received broke	1?	Yes	No 🗹	# of preserved bottles checked
 Does paperwork match bottle labels? (Note discrepancies on chain of custody) 		Yes 🗹	No 🗌	for pH: (<2 or >12 unless noted)
12, Are matrices correctly identified on Chain of C	Custody?	Yes 🗹	No 🗌	Adjustéd?
13. Is it clear what analyses were requested?		Yes 🗹	No 🗋	Chan alight
14. Were all holding times able to be met? (If πo, notify customer for authorization.)		Yes 🗹	No 📋	Checked by: <u>CIM 9</u> [8]20
<u>Special Handling (if applicable)</u>				
15. Was client notified of all discrepancies with the	nis order?	Yes 🗍	No 🗌	
Person Notified:	Date	ſ		
By Whom:	Via:	🗌 eMail 📋 Ph	one 📋 Fax	🛄 In Person
Regarding:				
Client Instructions:				
16. Additional remarks:				
17. <u>Cooler Information</u> Cooler No Temp ºC Condition Ser	I Intact Seal No	Seal Date	ligned By	
1 1.9 Good				

the state of the state of the state

Page 1 of 1

Chain-of-Custody Record		nd Time: 4-0	AU	6	100	(Large Taxa)										
Client: TALON LPE	_ 🛛 🖾 Standa	rd 🗆 Rus			1000 1000		H	AL	LE	N	VT	RO	NM	En	ت حلح	,
Mailing Address:	Project Nar	me:			<u>197</u>		A	NA	LY	SI	5 I	_AE	SOR	1911 - 20 1971 - 201	er 1920 1930	ыL ≂ръv
Mailing Address: 408 HJ. TEXAS	CHIMAN			Ľ	<u></u>	120003	١	www.ł	allen	viror		tal oc		79-27		K 1
	Project #:	40 16 ST.	3		49	01 H	awkii	ıs NE	- AI	hum	lora		M 871(
Phone #: 575-746-8768	70-704	_			- 16	ະເ. ວເ	5-34	5-397	5	F	Co -	-				
email or Fax#:	<u>100 199</u> , Project Mar	.349.01			i i je ma Nord				And		000	-345-	4107		100 C 100 C	Sider
QA/QC Package:		lager:		;	Ô				-		1 Constant					鰹
□ Standard □ Level 4 (Full Validation)	R. POWS	•		TMB's (8021)	MR	ы С		SI I	, SO4			sent				
Accreditation: Az Compliance		AICHAEL CO]s's (%0/	РС		8270SIMS	PO4,			/Ab:				ĺ
□ NELAC □ Other □ EDD (Type)	On ice:	Ves	U.No	T MI	10/	082	;	827(02,			sent				
	# of Coolers	3: 1		- ù	RO	es/8	ŏ	2	Z		(A)	Pre				
	Cooler Tem	P(including CF):	5+0.1=1.0	ATB -	0) 0	licid	pou	310 efal	Ň		-VC) Щ				
Date Time Matrix Somple No.	Container	Preservative		BTEX / MTBE	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method	PAHS by 8310 (RCRA 8 Metals	CJ)F, Br, NO ₃ , NO ₂ ,	8260 (VOA)	8270 (Semi-VOA)	Coliform (Present/Absent)				
many Dample Name	Type and #	Type	HEAL NO. 20091794	Ê	H:B	811	B	RA IS	L.	0 0	0 (5	Ŭ U Ŭ				
1620 10:00 Soil B6-5 0'	GLASS 1		1		E	8		A N	\bigcirc	826	827	Total				
10:10 36-6 01		UE/CODE	-001		\vee				V					+		
16:40 B6-7 0'			-007						1					+	┝──┤	
10130 5-4A 2'R	<u> </u>						T		$ \uparrow $						┝╼╾┥	
11:10 5-6A 1.5'R			-004		Π										 	
2 wh 1.3 R			7007						$\left \right $					<u> </u>		
e.o 1.J-2 R				+	++		+									
I III IIII IIIIIIIIIIIIIIIIIIIIIIIIIII				┾╼┼	+											
10:20 S-12 2'R			-005	┼╾┽	+					·						Ť
12:00 S-16 1.5-2'R			2005	┼┈╌┼╸	+									T		
11:50 5-17 1.5-2'R					╇╋		_							1		
1 11:30 1 5-18 1.5 R		+	<u> </u>	┥──┝	1									††		-+
aje: Time: Relinguished by:		·		<u> </u> -	1		_		1					╞╼┼		¦-
	Received by:	Via;	Date Time				_	1						<u>}</u> −−+		
1/20 1215 Multished Sur			ali	Rem	arks:	Die		BILL		0						
i i i i i i i i i i i i i i i i i i i	Received by:	Via:	2/17/20 1215 Date Time			AT	ير_ا 1925 -	TOM	10 1 8400	uncie	50					
7120 900 Openium	CMA.	Cler G	si.		ر م (د											
If necessary, samples submitted to Hall Environmental maybe subo		ur y	11810 080			ジギ	ス	0830	04101	0						

Released to Imaging: 7/21/2023 7:24:50 AM

Received by OCD: 7/13/2023 11:35:30 AM



October 14, 2020

David Adkins Talon Artesia 408 West Texas Ave Artesia, NM 88210 TEL: FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

RE: Devon Energy Chimayo 16 St 3

OrderNo.: 2010414

Dear David Adkins:

Hall Environmental Analysis Laboratory received 6 sample(s) on 10/8/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Project: Devon Energy Chimayo 16 St 3

Analytical Report Lab Order 2010414

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/14/2020 Client Sample ID: NE SW 2' Collection Date: 10/7/2020 11:05:00 AM

Lab ID: 2010414-001	Matrix: SOIL	/8/2020 7:45:00 AM				
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	350	60	mg/Kg	20	10/12/2020 8:16:17 PM	55789
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	CLP
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	10/9/2020 10:13:15 AM	55726
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	10/9/2020 10:13:15 AM	55726
Surr: DNOP	108	30.4-154	%Rec	1	10/9/2020 10:13:15 AM	55726
EPA METHOD 8015D: GASOLINE RANG	SE				Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/9/2020 1:50:46 PM	55723
Surr: BFB	96.3	75.3-105	%Rec	1	10/9/2020 1:50:46 PM	55723
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.024	mg/Kg	1	10/9/2020 1:50:46 PM	55723
Toluene	ND	0.049	mg/Kg	1	10/9/2020 1:50:46 PM	55723
Ethylbenzene	ND	0.049	mg/Kg	1	10/9/2020 1:50:46 PM	55723
Xylenes, Total	ND	0.098	mg/Kg	1	10/9/2020 1:50:46 PM	55723
Surr: 4-Bromofluorobenzene	98.1	80-120	%Rec	1	10/9/2020 1:50:46 PM	55723

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

Qualifiers:

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

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

Page 1 of 10

2010414-002

Project:

Lab ID:

Analytical Report
Lab Order 2010414

Hall Environmental Analysis Laboratory, Inc.

Devon Energy Chimayo 16 St 3

Date Reported: 10/14/2020
Client Sample ID: SE SW 2'

Collection Date: 10/7/2020 11:09:00 AM Received Date: 10/8/2020 7:45:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst	CAS			
Chloride	1500	59	mg/Kg	20	10/12/2020 8:53:31 PM	55789			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: CLP			
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	10/9/2020 10:41:54 AM	55726			
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	10/9/2020 10:41:54 AM	55726			
Surr: DNOP	128	30.4-154	%Rec	1	10/9/2020 10:41:54 AM	55726			
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA			
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/9/2020 3:01:18 PM	55723			
Surr: BFB	96.7	75.3-105	%Rec	1	10/9/2020 3:01:18 PM	55723			
EPA METHOD 8021B: VOLATILES					Analyst	: RAA			
Benzene	ND	0.024	mg/Kg	1	10/9/2020 3:01:18 PM	55723			
Toluene	ND	0.049	mg/Kg	1	10/9/2020 3:01:18 PM	55723			
Ethylbenzene	ND	0.049	mg/Kg	1	10/9/2020 3:01:18 PM	55723			
Xylenes, Total	ND	0.098	mg/Kg	1	10/9/2020 3:01:18 PM	55723			
Surr: 4-Bromofluorobenzene	100	80-120	%Rec	1	10/9/2020 3:01:18 PM	55723			

Matrix: SOIL

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 10

Project:

Analytical Report
Lab Order 2010414

Date Reported: 10/14/2020

Devon Energy Chimayo 16 St 3

Client Sample ID: S-20 N SW 2' Collection Date: 10/7/2020 11:14:00 AM Received Date: 10/8/2020 7:45:00 AM

Lab ID: 2010414-003	Matrix: SOIL		Received Date: 10/8/2020 7:45:00 AM						
Analyses	Result	RL	RL Qual Units		Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst:	CAS			
Chloride	960	60	mg/Kg	20	10/12/2020 9:05:55 PM	55789			
EPA METHOD 8015M/D: DIESEL RANG	BE ORGANICS				Analyst:	CLP			
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	10/9/2020 10:51:31 AM	55726			
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	10/9/2020 10:51:31 AM	55726			
Surr: DNOP	125	30.4-154	%Rec	1	10/9/2020 10:51:31 AM	55726			
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst:	RAA			
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	10/9/2020 4:11:41 PM	55723			
Surr: BFB	101	75.3-105	%Rec	1	10/9/2020 4:11:41 PM	55723			
EPA METHOD 8021B: VOLATILES					Analyst:	RAA			
Benzene	ND	0.024	mg/Kg	1	10/9/2020 4:11:41 PM	55723			
Toluene	ND	0.048	mg/Kg	1	10/9/2020 4:11:41 PM	55723			
Ethylbenzene	ND	0.048	mg/Kg	1	10/9/2020 4:11:41 PM	55723			
Xylenes, Total	ND	0.096	mg/Kg	1	10/9/2020 4:11:41 PM	55723			
Surr: 4-Bromofluorobenzene	104	80-120	%Rec	1	10/9/2020 4:11:41 PM	55723			

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 10

Project:

Analytical Report
Lab Order 2010414

Hall Environmental Analysis Laboratory, Inc.

Devon Energy Chimayo 16 St 3

Date Reported: 10/14/2020

Client Sample ID: S-20 2' Collection Date: 10/7/2020 11:18:00 AM Received Date: 10/8/2020 7:45:00 AM

Lab ID: 2010414-004	Matrix: SOIL		e: 10)/8/2020 7:45:00 AM			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	CAS	
Chloride	940	60	mg/Kg	20	10/12/2020 9:43:07 PM	55789	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	: CLP	
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	10/9/2020 11:01:08 AM	55726	
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	10/9/2020 11:01:08 AN	55726	
Surr: DNOP	119	30.4-154	%Rec	1	10/9/2020 11:01:08 AM	55726	
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	RAA	
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	10/9/2020 4:35:12 PM	55723	
Surr: BFB	99.6	75.3-105	%Rec	1	10/9/2020 4:35:12 PM	55723	
EPA METHOD 8021B: VOLATILES					Analyst	RAA	
Benzene	ND	0.024	mg/Kg	1	10/9/2020 4:35:12 PM	55723	
Toluene	ND	0.047	mg/Kg	1	10/9/2020 4:35:12 PM	55723	
Ethylbenzene	ND	0.047	mg/Kg	1	10/9/2020 4:35:12 PM	55723	
Xylenes, Total	ND	0.095	mg/Kg	1	10/9/2020 4:35:12 PM	55723	
Surr: 4-Bromofluorobenzene	102	80-120	%Rec	1	10/9/2020 4:35:12 PM	55723	

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 4 of 10

Project: Devon Energy Chimayo 16 St 3

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order **2010414** Date Reported: **10/14/2020**

Client Sample ID: BG-8 0' Collection Date: 10/7/2020 11:23:00 AM Received Date: 10/8/2020 7:45:00 AM

Lab ID: 2010414-005	Matrix: SOIL	Received Date: 10/8/2020 7:45:00 AM						
Analyses	Result	RL	RL Qual Units		Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst	CAS		
Chloride	1400	61	mg/Kg	20	10/12/2020 9:55:32 PM	55789		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst	CLP		
Diesel Range Organics (DRO)	ND	9.0	mg/Kg	1	10/9/2020 11:10:45 AM	55726		
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	10/9/2020 11:10:45 AM	55726		
Surr: DNOP	53.3	30.4-154	%Rec	1	10/9/2020 11:10:45 AM	55726		
EPA METHOD 8015D: GASOLINE RANG	E				Analyst	RAA		
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	10/9/2020 4:58:40 PM	55723		
Surr: BFB	97.8	75.3-105	%Rec	1	10/9/2020 4:58:40 PM	55723		
EPA METHOD 8021B: VOLATILES					Analyst	: RAA		
Benzene	ND	0.023	mg/Kg	1	10/9/2020 4:58:40 PM	55723		
Toluene	ND	0.047	mg/Kg	1	10/9/2020 4:58:40 PM	55723		
Ethylbenzene	ND	0.047	mg/Kg	1	10/9/2020 4:58:40 PM	55723		
Xylenes, Total	ND	0.094	mg/Kg	1	10/9/2020 4:58:40 PM	55723		
Surr: 4-Bromofluorobenzene	102	80-120	%Rec	1	10/9/2020 4:58:40 PM	55723		

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

Qualifiers:

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

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

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Project: Devon Energy Chimayo 16 St 3

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order **2010414** Date Reported: **10/14/2020**

Client Sample ID: BG-9 0' Collection Date: 10/7/2020 11:28:00 AM

Lab ID: 2010414-006	Matrix: SOIL	Received Date: 10/8/2020 7:45:00 AM							
Analyses	Result	RL	RL Qual Units		Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analys	t: CAS			
Chloride	1200	59	mg/Kg	20	10/12/2020 10:07:56 P	M 55789			
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analys	t: CLP			
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	10/9/2020 11:20:24 AN	1 55726			
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	10/9/2020 11:20:24 AN	1 55726			
Surr: DNOP	80.3	30.4-154	%Rec	1	10/9/2020 11:20:24 AN	1 55726			
EPA METHOD 8015D: GASOLINE RANG	GE				Analys	t: RAA			
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/9/2020 5:22:07 PM	55723			
Surr: BFB	98.8	75.3-105	%Rec	1	10/9/2020 5:22:07 PM	55723			
EPA METHOD 8021B: VOLATILES					Analys	t: RAA			
Benzene	ND	0.024	mg/Kg	1	10/9/2020 5:22:07 PM	55723			
Toluene	ND	0.049	mg/Kg	1	10/9/2020 5:22:07 PM	55723			
Ethylbenzene	ND	0.049	mg/Kg	1	10/9/2020 5:22:07 PM	55723			
Xylenes, Total	ND	0.097	mg/Kg	1	10/9/2020 5:22:07 PM	55723			
Surr: 4-Bromofluorobenzene	101	80-120	%Rec	1	10/9/2020 5:22:07 PM	55723			

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 6 of 10

Client: Project:		Artesia n Energy Chin	nayo 16	5 St 3							
Sample ID:	MB-55789	SampT	ype: m t	olk	Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch	n ID: 55	789	F	RunNo: 72	2606				
Prep Date:	10/12/2020	Analysis D	ate: 10	0/12/2020	S	SeqNo: 2	549456	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID:	LCS-55789	SampT	ype: Ics	5	Tes	tCode: El	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch	n ID: 55	789	F	RunNo: 7	2606				
Prep Date:	10/12/2020	Analysis D	ate: 10	0/12/2020	S	SeqNo: 2	549457	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	91.1	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
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- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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2010414

14-Oct-20

WO#:

L		WO#:	2010414
Hall Env	vironmental Analysis Laboratory, Inc.		14-Oct-20
Client:	Talon Artesia		

Project: Devon E	Energy Chimayo	16 St 3								
Sample ID: MB-55726	SampType:	MBLK	Tes	tCode: EPA Met	hod 8015M/D: Die	esel Range	e Organics			
Client ID: PBS	Batch ID:	55726	F	RunNo: 72550						
Prep Date: 10/8/2020	Analysis Date:	10/9/2020	S	SeqNo: 2546808	Units: mg/k	(g				
Analyte	Result PC	L SPK value	SPK Ref Val	%REC LowL	imit HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	13	10.00		126 3	30.4 154					
Sample ID: LCS-55726	SampType:	LCS	Tes	tCode: EPA Met	hod 8015M/D: Die	esel Range	e Organics			
Client ID: LCSS	Batch ID:	55726	F	RunNo: 72550						
Prep Date: 10/8/2020	Analysis Date:	10/9/2020	S	GeqNo: 2546810	Units: mg/k	(g				
Analyte	Result PC	QL SPK value	SPK Ref Val	%REC LowL	imit HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	56	10 50.00	0	112	70 130					
Surr: DNOP	6.2	5.000		123 3	30.4 154					
Sample ID: 2010414-001AMS	SampType:	MS	Tes	tCode: EPA Met	hod 8015M/D: Die	esel Range	e Organics			
Client ID: NE SW 2'	Batch ID:	55726	F	RunNo: 72550						
Prep Date: 10/8/2020	Analysis Date:	10/9/2020	S	SeqNo: 2546852	Units: mg/k	(g				
Analyte	Result PC	L SPK value	SPK Ref Val	%REC LowL	imit HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	48 9	9.2 46.04	0	104	15 184					
Surr: DNOP	5.7	4.604		124 3	30.4 154					
Sample ID: 2010414-001AMS	D SampType:	MSD	Tes	tCode: EPA Met	hod 8015M/D: Die	esel Range	e Organics			
Client ID: NE SW 2'	Batch ID:	55726	F	RunNo: 72550						
Prep Date: 10/8/2020	Analysis Date:	10/9/2020	S	SeqNo: 2546854	Units: mg/k	íg				
Analyte	Result PC	QL SPK value	SPK Ref Val	%REC LowL	imit HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	30 9	9.3 46.73	0	63.3	15 184	46.9	23.9	R		
Surr: DNOP	3.0	4.673		64.7 3	30.4 154	0	0			

Qualifiers:

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

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

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Talon Artesia

Client:

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Project: Devon E	Energy Chin	nayo 16	St 3											
Sample ID: 2010414-001ams	SampT	уре: М	6	Test	tCode: El	PA Method	8015D: Gasc	line Rang	e					
Client ID: NE SW 2'	Batch ID: 55723 RunNo: 72552													
Prep Date: 10/8/2020	Analysis D	ate: 10)/9/2020	SeqNo: 2546879 Un			Units: mg/k	Jnits: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Gasoline Range Organics (GRO)	23	4.9	24.70	0	93.0	61.3	114							
Surr: BFB	1100		988.1		111	75.3	105			S				
Sample ID: 2010414-001ams	d SampT	уре: М	SD	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e					
Client ID: NE SW 2'	Batch	n ID: 55	723	R	RunNo: 7	2552								
Prep Date: 10/8/2020	Analysis D	ate: 10)/9/2020	S	SeqNo: 2	546880	Units: mg/k	٢g						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Gasoline Range Organics (GRO)	25	5.0	24.90	0	101	61.3	114	9.39	20					
Surr: BFB	1100		996.0		111	75.3	105	0	0	S				
Sample ID: Ics-55723	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e					
Client ID: LCSS	Batch	n ID: 55	723	R	RunNo: 7	2552								
Prep Date: 10/8/2020	Analysis D)ate: 10)/9/2020	S	SeqNo: 2	546912	Units: mg/k	٢g						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Gasoline Range Organics (GRO)	24	5.0	25.00	0	95.0	72.5	106							
Surr: BFB	1100		1000		111	75.3	105			S				
Sample ID: mb-55723	SampT	ype: ME	BLK	Test	tCode: El	PA Method	8015D: Gasc	line Rang	e					
Client ID: PBS	Batch	n ID: 55	723	R	RunNo: 7	2552								
Prep Date: 10/8/2020	Analysis D)ate: 10)/9/2020	S	SeqNo: 2	546914	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	980		1000		98.2	75.3	105							

Qualifiers:

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

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2010414

14-Oct-20

WO#:

Released to Imaging: 7/21/2023 7:24:50 AM

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#:	2010414
	14-Oct-20

Client: Project:	Talon Art Devon En		nayo 16	5 St 3										
Sample ID:	2010414-002ams SampType: MS TestCode: EPA Method 8021B: Volatiles													
Client ID:	SE SW 2'	Batc	h ID: 55	723	R									
Prep Date:	10/8/2020	Analysis [Date: 10	0/9/2020	S	eqNo: 2	546922	Units: mg/k	٢g					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene		0.93	0.025	0.9804	0	95.3	76.3	120	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		4444			
Toluene		0.98	0.049	0.9804	0.01260	98.5	78.5	120						
Ethylbenzene		1.0	0.049	0.9804	0	102	78.1	124						
Xylenes, Total		3.0	0.098	2.941	0	102	79.3	125						
Surr: 4-Brom	ofluorobenzene	1.0		0.9804		105	80	120						
Sample ID: 2010414-002amsd SampType: MSD TestCode: EPA Method 8021B: Volatiles														
Client ID:														
Prep Date:	10/8/2020	Analysis [Date: 10	0/9/2020	S	eqNo: 2	546923	Units: mg/k	٢g					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene		0.96	0.025	0.9930	0	96.7	76.3	120	2.75	20				
Toluene		1.0	0.050	0.9930	0.01260	99.9	78.5	120	2.64	20				
Ethylbenzene		1.0	0.050	0.9930	0	104	78.1	124	3.78	20				
Xylenes, Total		3.1	0.099	2.979	0	104	79.3	125	3.13	20				
Surr: 4-Brom	ofluorobenzene	1.0		0.9930		103	80	120	0	0				
Sample ID:	LCS-55723	Samp	Type: LC	S	Tes	Code: EF	PA Method	8021B: Vola	tiles					
Client ID:	LCSS	Batc	h ID: 55	723	R	unNo: 72	2552							
Prep Date:	10/8/2020	Analysis [Date: 10	0/9/2020	S	eqNo: 2	546954	Units: mg/	٢g					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene		0.93	0.025	1.000	0	93.0	80	120						
Toluene		0.96	0.050	1.000	0	96.0	80	120						
Ethylbenzene		0.97	0.050	1.000	0	97.0	80	120						
Xylenes, Total		2.9	0.10	3.000	0	97.8	80	120						
Surr: 4-Brom	ofluorobenzene	1.0		1.000		105	80	120						
Sample ID:	mb-55723	Samp	Гуре: МЕ	BLK	Tes	Code: EF	PA Method	8021B: Vola	tiles					
Client ID:	PBS	Batc	h ID: 55	723	R	unNo: 72	2552							
Prep Date:	10/8/2020	Analysis [Date: 10	0/9/2020	S	eqNo: 2	546956	Units: mg/k	٢g					
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											
	ofluorobenzene	1.0		1.000		101	80	120						

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
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- S % Recovery outside of range due to dilution or matrix

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY		TEL: 505-345-	ental Analysis Labor 4901 Hawki Albuquerque, NM 8 3975 FAX: 505-345 tts.hallenvironmenta	ns NE 87109 San -4107	mple Log-In Check List						
Client Name:	Talon Artesia	Work Order Nur	nber: 2010414		RcptNo: 1						
Received By:	Desiree Dominguez	10/8/2020 7:45:00	AM	Dr							
Completed By:	Juan Rojas	10/8/2020 8:04:19	AM	Guans g	\$1						
Reviewed By:	SR 1015/20										
Chain of Cust	<u>ody</u>										
Is Chain of Cu	stody complete?		Yes 🗹	No 🗌	Not Present						
2. How was the s	ample delivered?		Courier								
<u>Log In</u> 3. Was an attemp	ot made to cool the sample:	5?	Yes 🗹	No 🗌							
4. Were all sample	es received at a temperatu	re of >0° C to 6.0°C	Yes 🗹	No 🗌							
. Sample(s) in pr	roper container(s)?		Yes 🔽	No 🗌							
, Sufficient samp	le volume for indicated test	i(s)?	Yes 🔽	No 🗌							
Are samples (ex	xcept VOA and ONG) prop	erly preserved?	Yes 🔽	No 🗌							
. Was preservativ	ve added to bottles?		Yes 🗌	No 🔽	NA 🗆						
. Received at lea	st 1 vial with headspace <1	/4" for AQ VOA?	Yes	No 🗌	NA 🗹						
). Were any samp	ole containers received bro	ken?	Yes	No 🔽	# of preserved bottles checked						
	k match bottle labels? ncies on chain of custody)		Yes 🔽	No 🗌	for pH: (<2 or >12 unless noted)						
Are matrices co	rrectly identified on Chain of	of Custody?	Yes 🗹	No 🗌	Adjusted?						
	analyses were requested?		Yes 🔽	No 🗌	Checked by: CMC 10/8/-						
	g times able to be met? stomer for authorization.)		Yes 🔽	No 🛄	/ Checked by: (10/8/-						
pecial Handlin	ng (if applicable)										
5. Was client notif	fied of all discrepancies wit	h this order?	Yes	No 🗌	NA 🔽						
Person N	otified:	Date									
By Whom	ι: Γ	Via:	eMail F	Phone 🗌 Fax	In Person						
Regarding											
Client Ins											
Additional remains	arks:										
7. <u>Cooler Inform</u> Cooler No 1	Cardina and the state of the	Seal Intact Seal No	Seal Date	Signed By							

Page 1 of 1

Chain-of-Custody Record		Turn-Around Time: 4-day Standard Rush Project Name: Pevon Energy				HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com														
Mailing	Address	On	File		10 16 5-		-		01 H el. 50	awki	ns N	1E -	Alb	uqu	erqu		18710	9		
Phone	#:			700794.	349.01							A	naly	sis	Req	uest			_	
email o	or Fax#:			Project Mana	ager:		=	Ô					004	~		ent)				
QA/QC □ Star	Package: ndard		□ Level 4 (Full Validation)	David A	dtins		L TMB's (8021)	RO / MR	PCB's		OSIMS		NO2, PO4, SO4	diyle_		nt/Abse				
Accred		□ Az Co □ Othe	ompliance r	Sampler: Brandon Sinclair On Ice: QYes DNo				RO / DF	s/8082	504.1)	or 827		NO2	oda	(AC	(Prese				
□ EDD (Type)			# of Coolers: Cooler Temp(including CF): 0, 8-0,1=0,7°c				5D(GF	sticide	ethod 5	8310	Metals	r, NO3	A)	emi-VC	liform					
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type		BTEX / MTBE	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082	EDB (Method	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	OF, Br, NO3, NO2, P	8260 (VI	8270 (Semi-VOA)	Total Coliform (Present/Absent)				
19-7-20	11:05	soil	NE SW 2	402 jar	ice	- 001	1	/					1							
	11:09		SESW 2	ſ		-002	I	I									0			
	11:14		5-20 N SW 2			-003									\equiv					
	11:18		5-20 2			-004														
	11:23		BG-8 0			-005														
	11:28		BG-9 0'			-006											_		_	_
												_		_						_
																				-
Date:	Time:	Relinquist	led by:	Received by:	Via:	Date Time	Rer	narks	s:											
Daye: 10/1/20	4145 Time:	Relinquist	Malara Rins	Received by:	Via: Via:	Date Time	W		d : #)e	.vo	Ч			

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

October 29, 2020

Brandon Sinclair Talon Artesia 408 West Texas Ave Artesia, NM 88210 TEL: FAX:

OrderNo.: 2010B12

Dear Brandon Sinclair:

RE: Chimayo 16 st 3

Hall Environmental Analysis Laboratory received 14 sample(s) on 10/23/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Anal	ysis Laboratory,	Inc.		06/75/78/2/2/2	Analytical Report Lab Order 2010B12 Date Reported: 10/29/2	:020
CLIENT: Talon Artesia Project: Chimayo 16 st 3 Lab ID: 2010B12-001	Matrix: SOIL			e: 10	SW /20/2020 11:30:00 AM /23/2020 8:00:00 AM	1
Analyses	Result	RL	Qual Units		Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: CAS
Chloride	5400	300	mg/Kg	100	0 10/27/2020 7:45:13 PM	56038
EPA METHOD 8015D MOD: GASOLI	NE RANGE				Analyst	DJF
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/24/2020 10:24:02 Pi	
Surr: BFB	104	70-130	%Rec	1	10/24/2020 10:24:02 PI	M 56001
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	10/24/2020 8:07:32 PM	
Motor Oil Range Organics (MRO)	61	49	mg/Kg	1	10/24/2020 8:07:32 PM	56002
Surr: DNOP	133	30.4-154	%Rec	1	10/24/2020 8:07:32 PM	56002
EPA METHOD 8260B: VOLATILES S	HORT LIST				Analyst	DJF
Benzene	ND	0.025	mg/Kg	1	10/24/2020 10:24:02 PM	1 56001
Toluene	ND	0.049	mg/Kg	1	10/24/2020 10:24:02 PM	1 56001
Ethylbenzene	ND	0.049	mg/Kg	1	10/24/2020 10:24:02 PN	1 56001
Xylenes, Total	ND	0.098	mg/Kg	1	10/24/2020 10:24:02 PM	1 56001
Surr: 1,2-Dichloroethane-d4	94.6	70-130	%Rec	1	10/24/2020 10:24:02 PM	1 56001
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	10/24/2020 10:24:02 PN	
Surr: Dibromofluoromethane	107	70-130	%Rec	1	10/24/2020 10:24:02 PM	
Surr: Toluene-d8	105	70-130	%Rec	1	10/24/2020 10:24:02 PM	56001

•	Value exceeds Maximum Contaminant Lovel.
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- 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
- Value above quantitation range Е

Analyte detected in the associated Method Blank

- Analyte detected below quantitation limits 1
- Р Sample pH Not In Range
- RL Reporting Linut

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Page 1 of 21

Qualifiers:

Hall Environmental Anal	ysis Laboratory,	Inc.		<u> </u>	Analytical Report Lab Order 2010B12 Date Reported: 10/29/2	020
CLIENT: Talon Artesia		C	lient Sample I	D: W	SW	
Project: Chimayo 16 st 3			Collection Dat	e: 10	/20/2020 11:40:00 AM	1
Lab ID: 2010B12-002	Matrix: SOIL		Received Dat	e: 10,	/23/2020 8:00:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	410	60	mg/Kg	20	10/26/2020 6:14:04 PM	56038
EPA METHOD 8015D MOD: GASOLI	NE RANGE				Analyst	DJF
Gasoline Range Organics (GRO)	ND	5,0	mg/Kg	1	10/24/2020 10:52:27 PI	
Surr: BFB	101	70-130	%Rec	1	10/24/2020 10:52:27 PI	M 56001
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.0	mg/Kg	1	10/24/2020 8:31:54 PM	56002
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	10/24/2020 8:31:54 PM	56002
Surr: DNOP	57.5	30.4-154	%Rec	1	10/24/2020 8:31:54 PM	56002
EPA METHOD 8260B: VOLATILES S	HORT LIST				Analyst	DJF
Benzene	ND	0.025	mg/Kg	1	10/24/2020 10:52:27 PM	A 56001
Toluene	ND	0.050	mg/Kg	1	10/24/2020 10:52:27 PM	/ 56001
Ethylbenzene	ND	0.050	mg/Kg	1	10/24/2020 10:52:27 PM	A 56001
Xylenes, Total	ND	0.099	mg/Kg	1	10/24/2020 10:52:27 PM	1 56001
Surr: 1,2-Dichloroethane-d4	90.4	70-130	%Rec	1	10/24/2020 10:52:27 PM	1 56001
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	10/24/2020 10:52:27 PN	
Surr: Dibromofluoromethane	104	70-130	%Rec	1	10/24/2020 10:52:27 PN	
Surr: Toluene-d8	102	70-130	%Rec	1	10/24/2020 10:52:27 PN	1 56001

Qualifiers:	+ D H ND PQL	Valuo exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix Holding times for preparation or analysis exceeded Not Detected at the Reporting Limit Practical Quantative Limit	B E J P RL	Analyte detected in the associated Method Blank Value above quantitation range Analyte detected below quantitation limits Saraple pH Not In Range Reporting Limit	Page 2 of 21
	S	% Recovery outside of range due to dilution or matrix		-F M	

Hall Environmental Ana	lysis Laboratory,	Inc.			Analytical Report Lab Order 2010B12 Date Reported: 10/29/20	120
CLIENT: Talon Artesia Project: Chimayo 16 st 3			it Sample II llection Dat		SW /20/2020 11:50:00 AM	
Lab ID: 2010B12-003	Matrix: SOIL	R	eceived Dat	e: 10	/23/2020 8:00:00 AM	
Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	CAS
Chloride	8200	300	mg/Kg	100) 10/27/2020 7:57:37 PM	56038
EPA METHOD 8015D MOD: GASO	LINE RANGE				Analyst:	DJF
Gasoline Range Organics (GRO)	ND	4,9	mg/Kg	1	10/25/2020 1:15:23 AM	56001
Surr: BFB	110	70-130	%Rec	1	10/25/2020 1:15:23 AM	56001
EPA METHOD 8015M/D: DIESEL R	ANGE ORGANICS				Analyst:	BRM
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	10/24/2020 8:56:16 PM	56002
Motor Oil Range Organics (MRO)	60	48	mg/Kg	1	10/24/2020 8:56:16 PM	56002
Surr: DNOP	89.7	30.4-154	%Rec	1	10/24/2020 8:56:16 PM	56002
EPA METHOD 8260B: VOLATILES	SHORT LIST				Analyst:	DJF
Benzene	ND	0.025	mg/Kg	1	10/25/2020 1:15:23 AM	56001
Toluene	ND	0.049	mg/Kg	1	10/25/2020 1:15:23 AM	56001
Ethylbenzene	ND	0.049	mg/Kg	1	10/25/2020 1:15:23 AM	56001
Xylenes, Total	ND	0.098	mg/Kg	1	10/25/2020 1:15:23 AM	56001
Surr: 1,2-Dichloroethane-d4	92.1	70-130	%Rec	1	10/25/2020 1:15:23 AM	56001
Surr: 4-Bromofluorobenzene	111	70-130	%Rec	1	10/25/2020 1:15:23 AM	56001
Surr: Dibromofluoromethane	106	70-130	%Rec	1		56001
Surr: Toluene-d8	103	70-130	%Rec	1	10/25/2020 1:15:23 AM	56001

			A. (7		
Oualifiers:	٠	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank	
	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	D
	PQL	Practical Quanitative Limit	RL	Reporting Limit	Page 3 of 21
	S	% Recovery outside of range due to dilution or matrix			

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2010B12

Date Reported: 10/29/2020

CLIENT: Talon Artesia Project: Chimayo 16 st 3			ient Sample II Collection Dat		/20/2020 12:00:00 PM	
Lab ID: 2010B12-004	Matrix: SOIL		Received Dat	e: 10,	/23/2020 8:00:00 AM	
Analyses	Result	RĹ	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	CAS
Chloride	1200	61	mg/Kg	20	10/26/2020 6:38:53 PM	56038
EPA METHOD 8015D MOD: GASOLI	NE RANGE				Analyst:	DJF
Gasoline Range Organics (GRO)	ND	4,9	mg/Kg	1	10/25/2020 1:43:47 AM	56001
Surr: BFB	104	70-130	%Rec	1	10/25/2020 1:43:47 AM	56001
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst:	BRM
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	10/24/2020 9:20:35 PM	56002
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	10/24/2020 9:20:35 PM	56002
Surr: DNOP	88.6	30.4-154	%Rec	1	10/24/2020 9:20:35 PM	56002
EPA METHOD 8260B: VOLATILES S	HORT LIST				Analyst:	DJF
Benzene	ND	0.024	mg/Kg	1	10/25/2020 1:43:47 AM	56001
Toluene	ND	0.049	mg/Kg	1	10/25/2020 1:43:47 AM	56001
Ethylbenzene	ND	0.049	mg/Kg	1	10/25/2020 1:43:47 AM	56001
Xylenes, Total	ND	0.098	m g /Kg	1	10/25/2020 1:43:47 AM	56001
Surr: 1,2-Dichloroethane-d4	97.8	70-130	%Rec	1	10/25/2020 1:43:47 AM	56001
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	1	10/25/2020 1:43:47 AM	56001
Surr: Dibromofluoromethane	107	70-130	%Rec	1	10/25/2020 1:43:47 AM	56001
Surr: Toluene-d8	107	70-130	%Rec	1	10/25/2020 1:43:47 AM	56001

Oualifiers :	+	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method Blank	
2	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	н	Holding times for preparation or analysis exceeded	1	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Lunit	р	Sanule pH Not In Range	Date 4 af 21
	PQL	Practical Quanitative Limit	RL	Reporting Limit	Page 4 of 21
	S	% Recovery outside of range due to dilution or matrix			

Hall E	nvironmental Analy	ysis Laboratory,	Inc.			Analytical Report Lab Order 2010B12 Date Reported: 10/29/2	020
CLIENT:	Talon Artesia		Ci	ient Sample I	D: S2		
Project:	Chimayo 16 st 3			Collection Dat	e: 10	/20/2020 12:10:00 PM	
Lab ID:	2010B12-005	Matrix: SOIL		Received Dat	e: 10	/23/2020 8:00:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	THOD 300.0: ANIONS					Analyst	CAS
Chloride		9400	300	mg/Kg	100) 10/28/2020 12:28:34 PM	A 56069
EPA MET	HOD 8015D MOD: GASOLI	NE RANGE				Analyst	DJF
Gasoline	Range Organics (GRO)	ND	5.0	mg/Kg	1	10/25/2020 2:12:22 AM	
Surr: E	3FB	107	70-130	%Rec	1	10/25/2020 2:12:22 AM	56001
EPA MET	HOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst:	BRM
Diesel Ra	ange Organics (DRO)	ND	9.9	mg/Kg	1	10/24/2020 9:44:54 PM	56002
Motor Oil	Range Organics (MRO)	ND	50	mg/Kg	1	10/24/2020 9:44:54 PM	56002
Surr: D	NOP	80.9	30.4-154	%Rec	1	10/24/2020 9:44:54 PM	56002
ЕРА МЕТ	HOD 8260B: VOLATILES S	HORT LIST				Analyst:	DJF
Benzene		ND	0.025	mg/Kg	1	10/25/2020 2:12:22 AM	56001
Toluene		ND	0.050	mg/Kg	1	10/25/2020 2:12:22 AM	56001
Ethylbenz	zene	ND	0.050	mg/Kg	1	10/25/2020 2:12:22 AM	56001
Xylenes,	Total	ND	0.10	mg/Kg	1	10/25/2020 2:12:22 AM	56001
Surr: 1	,2-Dichloroethane-d4	95,5	70-130	%Rec	1	10/25/2020 2:12:22 AM	56001
	-Bromofluorobenzene	108	70-130	%Rec	1	10/25/2020 2:12:22 AM	56001
	libromofluoromethane	103	70-130	%Rec	1	10/25/2020 2:12:22 AM	56001
Surr: T	oluene-d8	102	70-130	%Rec	1	10/25/2020 2:12:22 AM	56001

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method Blank	
•	Ð	Sample Diluted Due to Matrix	E	Value above quantitation range	
	£1	Holding times for preparation or analysis exceeded	I	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	D . C . CO1
	PQL	Practical Quanitative Limit	RL	Reporting Linut	Page 5 of 21
	s	% Recovery outside of range due to dilution or matrix			

Released to Imaging: 7/21/2023 7:24:50 AM

Hall E	nvironmental Analy	sis Laboratory,	Inc.			Analytical Report Lab Order 2010B12 Date Reported: 10/29/20)20
CLIENT:	: Talon Artesia		C	lient Sample I	D: S1	5	
Project:	Chimayo 16 st 3			Collection Da	te: 10	/20/2020 12:20:00 PM	
Lab ID:	2010B12-006	Matrix: SOIL		Received Da	te: 10	/23/2020 8:00:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	THOD 300.0: ANIONS					Analyst:	CAS
Chloride		710	60	mg/Kg	20	10/27/2020 9:12:04 PM	56069
EPA MET	HOD 8015D MOD: GASOLI	NE RANGE				Analyst:	DJF
Gasoline	e Range Organics (GRO)	ND	4.9	mg/Kg	1	10/25/2020 2:41:03 AM	56001
Surr: I	ЗFB	101	70-130	%Rec	1	10/25/2020 2:41:03 AM	56001
ЕРА МЕТ	HOD 8015M/D: DIESEL RAI	NGE ORGANICS				Analyst:	BRM
Diesel R	ange Organics (DRO)	ND	9.6	mg/Kg	1	10/24/2020 10:09:16 PN	56002
Motor Oi	Range Organics (MRO)	ND	48	mg/Kg	1	10/24/2020 10:09:16 PM	56002
Surr: L	DNOP	108	30.4-154	%Rec	1	10/24/2020 10:09:16 PM	56002
EPA MET	HOD 8260B: VOLATILES S	HORT LIST				Analyst:	DJF
Benzene		ND	0.025	mg/Kg	1	10/25/2020 2:41:03 AM	56001
Toluene		ND	0.049	mg/Kg	1	10/25/2020 2:41:03 AM	56001
Ethylben	zene	ND	0.049	mg/Kg	1	10/25/2020 2:41:03 AM	56001
Xylenes,	Total	ND	0.098	mg/Kg	1	10/25/2020 2:41:03 AM	56001
	,2-Dichloroethane-d4	97.5	70-130	%Rec	1	10/25/2020 2:41:03 AM	56001
	-Bromofluorobenzene	105	70-130	%Rec	1	10/25/2020 2:41:03 AM	56001
	Dibromofluoromethane	107	70-130	%Rec	1	10/25/2020 2:41:03 AM	56001
Surr: T	oluene-d8	103	70-130	%Rec	1	10/25/2020 2:41:03 AM	56001

Qualifiers:	+ D H ND PQL S	Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix Holding times for preparation or analysis exceeded Not Detected at the Reporting Limit Practical Quantitative Limit % Recovery outside of range due to dilution or matrix	B E J P RL	Analyte detected in the associated Method Blank Value above quantitation range Analyte detected below quantitation limits Sample pH Not In Range Reporting Limit	Page 6 of 21
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Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2010B12

Date Reported: 10/29/2020

CLIENT:	Talon Artesia		Client Sample ID: EBG								
Project:	Chimayo 16 st 3	Collection Date: 10/20/2020 12:30:00 PM									
Lab ID:	2010B12-007	Matrix: SOIL		Received D	0/23/2020 8:00:00 AM						
Analyses		Result	RL	Qual Unit	s DF	[°] Date Analyzed	Batel				
EPA MET	THOD 300.0: ANIONS					Analyst	: CAS				
Chloride		140	59	mg/k	g 20	10/27/2020 9:24:28 PN	56069				
ЕРА МЕТ	THOD 8015D MOD: GASOLI	NE RANGE				Analyst	: DJF				
Gasoline	Range Organics (GRO)	ND	5.0	mg/K	g 1	10/25/2020 3:09:37 AM	56001				
Surr: E	BFB	106	70-130	%Re	: 1	10/25/2020 3:09:37 AM	56001				
ЕРА МЕТ	HOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst	BRM				
Diesei Ra	ange Organics (DRO)	ND	9,9	mg/K	g 1	10/24/2020 10:33:35 Pi	M 56002				
Motor Oil	Range Organics (MRO)	99	49	mg/K	g 1	10/24/2020 10:33:35 Pi	И 56002				
Surr: D	DNOP	129	30.4-154	%Re	: 1	10/24/2020 10:33:35 PI	M 56002				
ЕРА МЕТ	HOD 8260B: VOLATILES S	HORT LIST				Analyst	: DJF				
Benzene		ND	0.025	mg/K	g 1	10/25/2020 3:09:37 AM	56001				
Toluene		ND	0.050	mg/K	g 1	10/25/2020 3:09:37 AM	56001				
Ethylben	zene	ND	0.050	mg/K	g 1	10/25/2020 3:09:37 AM	56001				
Xylenes,	Total	ND	0.10	mg/K	g 1	10/25/2020 3:09:37 AM	56001				
	,2-Dichloroethane-d4	98.8	70-130	%Red	: 1	10/25/2020 3:09:37 AM	56001				
	-Bromofluorobenzene	110	70-130	%Red		10/25/2020 3:09:37 AM					
	Dibromofluoromethane	111	70-130	%Red		10/25/2020 3:09:37 AM	56001				
Surr: T	oluene-d8	106	70-130	%Red	: 1	10/25/2020 3:09:37 AM	56001				

P P ND P P P P P P P P P P P P P P P P P	Value exceeds Maximum Contaminant Level, Sample Diluted Due to Matrix Holding times for preparation or analysis exceeded Not Detected at the Reporting Limit Practical Quanitative Limit	B E J P RL	Analyte detected in the associated Method Blank Value above quantitation range Analyte detected below quantitation limits Sample pH Not In Range Reporting Limit	Page 7 of 21
s	% Recovery outside of range due to dilution or matrix			
	ND	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	D Sample Diluted Due to Matrix E H Holding times for preparation or analysis exceeded J ND Not Detected at the Reporting Limit P PQL Practical Quanitative Limit RL	D Sample Diluted Due to Matrix E Value above quantilation range H Holding times for preparation or analysis exceeded J Analyte detected below quantilation limits ND Not Detected at the Reporting Limit P Sample pH Not In Range PQL Practical Quantitative Limit RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc. Analytical J Lab Order 20 Date Reporter										
CLIENT: Talon Artesia Project: Chimayo 16 st 3 Lab ID: 2010B12-008	Client Sample ID: NSWCollection Date: 10/20/2020 12:40:00 PMMatrix: SOILReceived Date: 10/23/2020 8:00:00 AM									
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS					Analyst	CAS				
Chloride	700	60	mg/K	g 20	10/27/2020 9:36:53 PM	56069				
EPA METHOD 8015D MOD: GASOLI	NE RANGE				Analyst	DJF				
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	J 1	10/25/2020 3:38:00 AM	56001				
Surr: BFB	100	70-130	%Rec	1	10/25/2020 3:38:00 AM	56001				
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst	BRM				
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	j 1	10/24/2020 10:57:54 PM	1 56002				
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	; 1	10/24/2020 10:57:54 PM	1 56002				
Surr: DNOP	89.8	30.4-154	%Rec	1	10/24/2020 10:57:54 PN	1 56002				
EPA METHOD 8260B: VOLATILES S	HORT LIST				Analyst:	DJF				
Benzene	ND	0.025	mg/Kg	1	10/25/2020 3:38:00 AM	56001				
Toluene	ND	0.049	mg/Ko	1	10/25/2020 3:38:00 AM	56001				
Ethylbenzene	ND	0.049	mg/Kg	1	10/25/2020 3:38:00 AM	56001				
Xylenes, Total	ND	0.099	mg/Kg	1	10/25/2020 3:38:00 AM	56001				
Surr: 1,2-Dichloroethane-d4	95.6	70-130	%Rec	1	10/25/2020 3:38:00 AM	56001				
Surr: 4-Bromofluorobenzene	105	70-130	%Rec	1	10/25/2020 3:38:00 AM	56001				
Surr: Dibromofluoromethane	102	70-130	%Rec	1	10/25/2020 3:38:00 AM	56001				

97.8

70-130

%Rec

1

10/25/2020 3:38:00 AM 56001

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

Oualifiers:	٠	Value exceeds Maximum Contaminant Level.
C		

- Sample Diluted Due to Matrix D н
- Holding times for preparation or analysis exceeded Not Detected at the Reporting Limit
- ND PQL. Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank в Е Value above quantitation range
- Analyte detected below quantitation limits J
- Р Sample pl I Not In Range
- RL. Reporting Limit

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Surr: Toluene-d8

Analytical Report	
Lab Order 2010B12	

Hall Environmental Analysis		Date Reported: 10/29/2020					
CLIENT: Talon Artesia Project: Chimayo 16 st 3 Lab ID: 2010B12-009	Matrix: SOIL			on Dat	e: 10/	/20/2020 12:50:00 PM /23/2020 8:00:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	CAS
Chloride	750	60		mg/Kg	20	10/27/2020 9:49:18 PM	56069
EPA METHOD 8015D MOD: GASOLINE	RANGE					Analyst:	DJF
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/25/2020 4:06:29 AM	56001
Surr: BFB	102	70-130		%Rec	1	10/25/2020 4:06:29 AM	56001
EPA METHOD 8015M/D: DIESEL RANGE	EORGANICS					Analyst:	BRM
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	10/24/2020 11:22:12 PM	56002
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/24/2020 11:22:12 PM	56002
Surr: DNOP	98.5	30.4-154		%Rec	1	10/24/2020 11:22:12 PM	56002
EPA METHOD 8260B: VOLATILES SHOP	RT LIST					Analyst:	DJF
Benzene	ND	0.025		mg/Kg	1	10/25/2020 4:06:29 AM	56001
Toluene	ND	0.049		mg/Kg	1	10/25/2020 4:06:29 AM	56001
Ethylbenzene	ND	0.049		mg/Kg	1	10/25/2020 4:06:29 AM	56001
Xylenes, Total	ND	0.098		mg/Kg	1	10/25/2020 4:06:29 AM	56001
Surr: 1,2-Dichloroethane-d4	95.1	70-130		%Rec	1	10/25/2020 4:06:29 AM	56001
Surr: 4-Bramofluorobenzene	103	70-130		%Rec	1	10/25/2020 4:06:29 AM	56001
Surr: Dibromofluoromethane	107	70-130		%Rec	1	10/25/2020 4:06:29 AM	56001
Surr: Toluene-d8	103	70-130		%Rec	1	10/25/2020 4:06:29 AM	56001

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

Oualifiers:	•	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method Blank
~	n	Somple Diluted Due to Matrix	F	Value above quantitation range

- Analyte detected below quantitation limits J
 - P Sample pH Not in Range

RL Reporting Limit

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ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit % Recovery outside of range due to dilution or matrix s

H Holding times for preparation or analysis exceeded

Hall Environmental Analy	ysis Laboratory,	Inc.	en des 1725 og sakert og særer ga		Analytical Report Lab Order 2010B12 Date Reported: 10/29/2	020	
CLIENT: Talon Artesia			ent Sample II		(00/0000 1 00 00 F) /		
Project: Chimayo 16 st 3 Lab ID: 2010B12-010	Collection Date: 10/20/2020 1:00:00 # Matrix: SOIL Received Date: 10/23/2020 8:00:00 #						
Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	CAS	
Chloride	1700	60	mg/Kg	20	10/27/2020 10:01:43 PM	A 56069	
EPA METHOD 8015D MOD: GASOLI	NE RANGE				Analyst	DJF	
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	10/25/2020 4:35:02 AM	56001	
Surr: BFB	108	70-130	%Rec	1	10/25/2020 4:35:02 AM	56001	
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst:	BRM	
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	10/24/2020 11:46:30 PM	1 56002	
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	10/24/2020 11:46:30 PM	1 56002	
Surr: DNOP	108	30.4-154	%Rec	1	10/24/2020 11:46:30 PM	1 56002	
EPA METHOD 8260B: VOLATILES S	HORT LIST				Analyst:	DJF	
Benzene	ND	0.025	mg/Kg	1	10/25/2020 4:35:02 AM	56001	
Toluene	ND	0.050	mg/Kg	1	10/25/2020 4:35:02 AM	56001	
Ethylbenzene	ND	0.050	mg/Kg	1	10/25/2020 4:35:02 AM	56001	
Xylenes, Total	ND	0.10	mg/Kg	1	10/25/2020 4:35:02 AM	56001	
Surr: 1,2-Dichloroethane-d4	96.0	70-130	%Rec	1	10/25/2020 4:35:02 AM	56001	
Surr: 4-Bromofluorobenzene	107	70-130	%Rec	1	10/25/2020 4:35:02 AM	56001	
Surr: Dibromofluoromethane	100	70-130	%Rec	1	10/25/2020 4:35:02 AM	56001	
Surr: Toluene-d8	101	70-130	%Rec	1	10/25/2020 4:35:02 AM	56001	

Oualifiers:	+	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank		
2	D	Sample Diluted Due to Matrix	Е	Value above quantitation range		
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits		
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	Dage 10 of 2	
	PQL	Practical Quanitative Limit	RL	Reporting Limit	Page 10 of 2	
	S	% Recovery outside of range due to dilution or matrix				

Analytical Report

Lab Order 2010B12

Hall Environmental	***	Date Reported: 10/29/2020				
CLIENT: Talon Artesia Project: Chimayo 16 st 3			lient Sample I Collection Dat		4 /20/2020 1:10:00 PM	
Lab ID: 2010B12-011	Matrix: SOIL		Received Dat	e: 10	/23/2020 8:00:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIO	18				Analyst:	CAS
Chloride	3900	150	mg/Kg	50	10/28/2020 12:53:23 PM	56069
EPA METHOD 8015D MOD:	GASOLINE RANGE				Analyst:	DJF
Gasoline Range Organics (GR		4,9	mg/Kg	1	10/25/2020 5:03:37 AM	56001
Surr: BFB	105	70-130	%Rec	1	10/25/2020 5:03:37 AM	56001
EPA METHOD 8015M/D; DII	ESEL RANGE ORGANICS				Analyst:	BRM
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	10/25/2020 12:10:50 AM	56002
Motor Oil Range Organics (MR	O) ND	49	mg/Kg	1	10/25/2020 12:10:50 AM	56002
Surr: DNOP	, 121	30.4-154	%Rec	1	10/25/2020 12:10:50 AM	56002
EPA METHOD 8260B: VOL	TILES SHORT LIST				Analyst:	DJF
Benzene	ND	0.025	mg/Kg	1	10/25/2020 5:03:37 AM	56001
Toluene	ND	0.049	mg/Kg	1	10/25/2020 5:03:37 AM	56001
Ethylbenzene	NÐ	0.049	mg/Kg	1	10/25/2020 5:03:37 AM	56001
Xylenes, Total	ND	0.098	mg/Kg	1	10/25/2020 5:03:37 AM	56001
Surr: 1,2-Dichloroethane-d4	99.1	70-130	%Rec	1	10/20/2020 010000	56001
Surr: 4-Bromofluorobenzene	105	70-130	%Rec	1		56001
Surr: Dibromofluoromethane	106	70-130	%Rec	1	I GALONE OF OF OF OF OF	56001
Surr: Toluene-d8	102	70-130	%Rec	1	10/25/2020 5:03:37 AM	56001

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

		· · · · · · · · · · · · · · · · · · ·		
Oualifiers :	٠	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the a
Quanners.	n	Sample Diluted Due to Matrix	Е	Value above quantitation
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below of
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range

- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- associated Method Blank on range
- v quantitation limits
- ge

RL Reporting Limit

Page 11 of 21

Hall En	vironmental Analy	tory,	Inc.	11-2-12-12-10-0-2-10-1 <u>2-</u>	11000000000000000000000000000000000000		Analytical R Lab Order 201 Date Reported	0B12)20	
CLIENT: "	Talon Artesia			C	lient Sa	mple II	D: S1	9		
Project: (Chimayo 16 st 3				Collect	ion Dat	e: 10/	/20/2020 1:30	:00 PM	
Lab ID: 2	2010B12-012	Matrix:	SOIL		Receiv	ved Dat	e: 10/	/23/2020 8:00	00 AM	
Analyses		Re	sult	RL	Qual	Units	DF	Date Analyz	ed	Batch
EPA METH	IOD 300.0: ANIONS								Analyst:	CAS
Chloride		!	5100	300		mg/Kg	100	10/28/2020 12	:40:58 PN	1 56069
EPA METH	IOD 8015D MOD: GASOLII	NE RANGE							Analyst:	DJF
Gasoline R	ange Organics (GRO)		ND	4.9		mg/Kg	1	10/25/2020 5::	•	
Surr: BF	,		106	70-130		%Rec	1	10/25/2020 5:3	32:14 AM	56001
EPA METH	OD 8015M/D: DIESEL RAI	NGE ORGANICS	5						Analyst:	BRM
Diesel Ran	ge Organics (DRO)		ND	9.9		mg/Kg	1	10/25/2020 12	35:12 AM	1 56002
Motor Oil R	Range Organics (MRO)		ND	50		mg/Kg	1	10/25/2020 12	:35:12 AN	56002
Surr: DN	IOP	!	94.4	30.4-154		%Rec	1	10/25/2020 12	:35:12 AN	1 56002
EPA METH	OD 8260B: VOLATILES SI	HORT LIST							Analyst:	DJF
Benzene			ND	0.025		mg/Kg	1	10/25/2020 5:3	32:14 AM	56001
Toluene			ND	0.049		mg/Kg	1	10/25/2020 5:3	12:14 AM	56001
Ethylbenze	ne		ND	0.049		mg/Kg	1	10/25/2020 5:3	2;14 AM	56001
Xylenes, To	otal		ND	0.099		mg/Kg	1	10/25/2020 5:3	2:14 AM	56001
-	-Dichloroethane-d4	9	91.9	70-130		%Rec	1	10/25/2020 5:3	2:14 AM	56001
Surr: 4-B	Bromofluorobenzene		105	70-130		%Rec	1	10/25/2020 5:3	2:14 AM	56001
-	romofluoromethane		106	70-130		%Rec	1	10/25/2020 5:3		56001
Surr: Tol	uene-d8		107	70-130		%Rec	1	10/25/2020 5:3	2:14 AM	56001

Value exceeds Maximum Contaminant Level. Sample Diluted Due to Matrix ٠ Qualifiers:

- D н
- Holding times for preparation or analysis exceeded Not Detected at the Reporting Limit
- ND PQL Practical Quanitative Limit
- s % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank в Value above quantitation range Analyte detected below quantitation limits Е
- J
- р Sample pH Not In Range
- RL Reporting Linit

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Analytical Report

Lab Order 2010B12

Hall Environmental Analy	sis Laboratory,	Inc.			Date Reported: 10/29/20)20			
CLIENT: Talon Artesia Project: Chimayo 16 st 3 Lab ID: 2010B12-013	Client Sample ID: S13 Collection Date: 10/20/2020 1:40:00 PM Matrix: SOIL Received Date: 10/23/2020 8:00:00 AM								
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst:	CAS			
Chloride	5500	300	mg/Kg	10	0 10/28/2020 1:05:47 PM	56069			
EPA METHOD 8015D MOD: GASOLIN	IE RANGE				Analyst:	DJF			
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/25/2020 3:04:12 AM	56003			
Sum: BFB	89.8	70-130	%Rec	1	10/25/2020 3:04:12 AM	56003			
EPA METHOD 8015M/D: DIESEL RAN	IGE ORGANICS				Analyst:	mb			
Diesel Range Organics (DRO)	26	10	mg/Kg	1	10/26/2020 1:44:37 PM	56014			
Motor Oil Range Organics (MRO)	110	50	mg/Kg	1	10/26/2020 1:44:37 PM	56014			
Surr: DNOP	81.3	30.4-154	%Rec	1	10/26/2020 1;44:37 PM	56014			
EPA METHOD 8260B: VOLATILES SH	IORT LIST				Analyst:	DJF			
Benzene	ND	0.025	mg/Kg	1	10/25/2020 3:04:12 AM	56003			
Toluene	ND	0.049	mg/Kg	1	10/25/2020 3:04:12 AM	56003			
Ethylbenzene	ND	0.049	mg/Kg	1	10/25/2020 3:04:12 AM	56003			
Xylenes, Total	ND	0.099	mg/Kg	1	10/25/2020 3:04:12 AM	56003			
Surr: 1,2-Dichloroethane-d4	95.9	70-130	%Rec	1	10/25/2020 3:04:12 AM	56003			
Surr: 4-Bromofluorobenzene	97.8	70-130	%Rec	1	10/25/2020 3:04:12 AM	56003			
Surr: Dibromofluoromethane	107	70-130	%Rec	1	10/25/2020 3:04:12 AM	56003			
Surr: Toluene-d8	102	70-130	%Rec	1	10/25/2020 3:04:12 AM	56003			

Oualifiers :	٠	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method Blank	
Q	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	Page 13 of 21
	PQL	Practical Quanitative Limit	RL	Reporting Limit	Fage 15 01 21
	s	% Recovery outside of range due to dilution or matrix			

Lab Order 2010B12

Hall Environmental Analy	vsis Laboratory,	Inc.			Date Reported: 10/29/2	2020					
CLIENT: Talon Artesia Project: Chimayo 16 st 3		Client Sample ID: 17SW Collection Date: 10/20/2020 1:50:00 PM									
Lab ID: 2010B12-014	Matrix: SOIL		Received Dat	e: 10	/23/2020 8:00:00 AM						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch					
EPA METHOD 300.0: ANIONS					Analys	t: CAS					
Chloride	400	60	mg/Kg	20	10/27/2020 10:51:20 P	M 56069					
EPA METHOD 8015D MOD: GASOLI	NE RANGE				Analys	t: DJF					
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	10/25/2020 4:32:33 AM	1 56003					
Surr: BFB	91.4	70-130	%Rec	1	10/25/2020 4:32:33 AM	1 56003					
EPA METHOD 8015M/D: DIESEL RAI	NGE ORGANICS				Analys	t mb					
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	10/26/2020 2:08:37 PM	56014					
Motor Oll Range Organics (MRO)	ND	48	mg/Kg	1	10/26/2020 2:08:37 PM	56014					
Surr: DNOP	82.7	30.4-154	%Rec	1	10/26/2020 2:08:37 PN	56014					
EPA METHOD 8260B: VOLATILES SI	HORT LIST				Analys	DJF					
Benzene	ND	0.025	mg/Kg	1	10/25/2020 4:32:33 AM	56003					
Toluene	ND	0.050	mg/Kg	1	10/25/2020 4:32:33 AM	56003					
Ethylbenzene	ND	0.050	mg/Kg	1	10/25/2020 4:32:33 AM	56003					
Xylenes, Total	ND	0.10	mg/Kg	1	10/25/2020 4:32:33 AM	56003					
Surr: 1,2-Dichloroethane-d4	100	70-130	%Rec	1	10/25/2020 4:32:33 AM						
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	10/25/2020 4:32:33 AM						
Surr: Dibromofluoromethane	107	70-130	%Rec	1	10/25/2020 4:32:33 AM						
Surr: Toluene-d8	106	70-130	%Rec	1	10/25/2020 4:32:33 AM	56003					

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

Oualifiers :	٠	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank	
Z	D	Sample Diluted Due to Matrix	Е	Value above quantitation range	
	н	Holding times for preparation or analysis exceeded	1	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	Page 14 of 21
		· · ·			P 89C 14 0 Z

PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix

RL Reporting Limit

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2010B12

> 29-Oct-20 usun,

Client: Project:	Talon Ar Chimayo									Management of the state of the	
Sample ID;	MB-56038	Samp7	ype: m	bik	Tes	stCode: E	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch	n ID: 56	038	F	RunNo: 7	2931				
Prep Date:	10/26/2020	Analysis D	ate: 1	0/26/2020	:	SeqNo: 2	564017	Units: mg/K	g		
Analyte Chloride		Result ND	PQL 1.5	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID:	LCS-56038	SampT	ype: Ice	5	Tes	tCode: E	PA Method	300.0: Anions	6		
Client ID:	LCSS	Batch	ID: 56	038	F	RunNo: 7	2931				
Prep Date:	10/26/2020	Analysis D	ate: 10	0/26/2020	5	GeqNo: 2	564018	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	92.5	90	110		······································	
Sample ID: I	MB-56069	SampT	ype: ME	BLK	Tes	tCode: EI	PA Method	300.0: Anions	3		
Client ID:	PBS	Batch	ID: 56	069	F	tunNo: 7	2930				
Prep Date:	10/27/2020	Analysis D	ate: 10	/27/2020	S	SeqNo: 2	565255	Units: mg/Kg	9		
Analyte Chloride		Result ND	PQL 1.5	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: L	_CS-56069	SampT	/pe: LC	s	Test	Code: EF	PA Method	300.0: Anions	;		
Client ID: L	_css	Batch	ID: 560)69	R	unNo: 72	2930				
Prep Date:	10/27/2020	Analysis D	ate: 10	/27/2020	S	eqNo: 2	565256	Units: mg/Kg)		
Analyte		Result	PQL		SPK Ref Val		LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	92.9	90	110			

Qualifiers:

- ٠ Value exceeds Maximum Contaminant Level.
- Ð Sample Diluted Due to Matrix
- H Holding times for preparation or analysis oxceeded ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- s % Recovery outside of range due to dilution or matrix
- в Analyte detected in the associated Method Blank
- E Value above quantitation range
- Analyte detected below quantitation limits)
- Sample pH Not In Range Р
- Reporting Limit RL.

Page 15 of 21

Client:

Talon Artesia

Hall Environmental Analysis Laboratory, Inc. 6407.6

Qualifiers:

- . Value exceeds Maximum Contaminant Level,
- D Sample Diluted Due to Matrix
- н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit % Recovery outside of range due to dilution or matrix s
- в Analyte detected in the associated Method Blank
- Value above quantitation range Е
- Analyte detected below quantitation limits J
- Р Sample pH Not In Range

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WO#:	2010B12
	29-Oct-20

Project: Chimay	ro 16 st 3									
Sample ID: MB-56002	SampType:	MBLK	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics		
Client ID: PBS	Batch ID:	56002	ł	RunNo: 7	2912					
Prep Date: 10/23/2020	Analysis Date:	10/24/2020	:	SeqNo: 2	562944	Units: mg/h	(g			
Analyte	Result PC	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimlt	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	ND	10						,	. An internet and the second states	
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11	10.00		107	30.4	154				
Sample ID: LCS-56002	Samp⊺ype:	LCS	Tes	tCode: E	PA Method	8015M/D: Die	esel Rang	e Organics		
Client ID: LCSS	Batch ID:	56002	F	RunNo: 72912						
Prep Date: 10/23/2020	Analysis Date:	10/24/2020	5	SeqNo: 2	562945	Units: mg/K	g			
Analyte	Result PC	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	47	10 50.00	0	94.9	70	130				
Surr: DNOP	5.1	5.000		101	30.4	154				
Sample ID: LCS-56014	SampType:	LCS	Tes	(Code: El	PA Method	8015M/D: Diesel Range Organics				
Client ID: LCSS	Batch ID:	56014	R	RunNo: 72917						
Prep Date: 10/24/2020	Analysis Date:	10/26/2020	S	eqNo: 2	563396	Units: mg/K	g			
Analyte	Result PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	54	10 50.00	0	108	70	130				
Surr: DNOP	5.3	5.000		106	30.4	154				
Sample ID: MB-56014	SampType:	MBLK	Test	Code: EF	PA Method	8015M/D: Die	sel Range	e Organics		
Client ID: PBS	Batch ID:	56014	R	unNo: 72	2917					
Prep Date: 10/24/2020	Analysis Date;	10/26/2020	S	eqNo: 2	563397	Units: mg/K	g			
Analyte	Result PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
viesel Range Organics (DRO)	ND ŕ	10								
lotor Oil Range Organics (MRO)	ND 8	50								
Sur: DNOP	11	10.00		105	30.4	154				

Released to Imaging: 7/21/2023 7:24:50 AM

RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

WO#: 2010B12

29-Oct-20

Client: Talon Project: Chima	Artesia yo 16 st 3										
Sample ID: mb-56001	Samp	Туре: М	BLK	Te	stCode: I	PA Method	1 8260B; Vola	atiles Sho	rt List		
Client ID: PBS		ch ID: 56			RunNo:						
Prep Date: 10/23/2020			0/24/2020		SeqNo: 2		Units: mg/l	Kg			
Analyte	Result	PQL	SPK value	SPK Ref Va	I %REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.025									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		96.3	70	130				
Surr: 4-Bromofluorobenzene	0.55		0.5000		111	70	130				
Surr: Dibromofluoromethane	0.56		0.5000		111	70	130				
Surr: Toluene-d8	0.54		0.5000		109	70	130				
											
Sample ID: Ics-56001 Client ID: BatchQC		Type: LC			TestCode: EPA Method 8260B: Volatiles Short List RunNo: 72901						
Prep Date: 10/23/2020	Batch ID: 56001 Analysis Date: 10/24/2020				SeqNo: 2562493 Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.91	0.025	1.000	0	91.3	80	120				
Toluene	1.0	0.050	1.000	0	105	80	120				
Ethylbenzene	1,1	0.050	1.000	0	106	80	120				
Xylenes, Total	3.2	0.10	3.000	0	107	80	120				
Surr: 1,2-Dichloroethane-d4	0.46		0.5000		91.9	70	130				
Surr: 4-Bromofluorobenzene	0.52		0.5000		104	70	130				
Surr: Dibromofluoromethane	0.52		0,5000		103	70	130				
Surr: Toluene-d8	0.52		0.5000		103	70	130				
Sample ID: mb-56011	SampT	ype: ME	ы к	Тез	tCode: El	PA Method	8260B: Volat	iles Short	list		
Client ID: PBS	•	1D: 560			TestCode: EPA Method 8260B: Volatiles Short List RunNo: 72903						
Prep Date: 10/23/2020	Analysis D				SeqNo: 2		Units: %Rec	:			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: 1,2-Dichloroethane-d4	0.52		0.5000	· · · · · · · · · · · · · · · · · · ·	103	70	130				
Surr: 4-Bromofluorobenzene	0.52		0,5000		104	70	130				
Surr: Dibromofluoromethane	0.54		0.5000		109	70	130				
Surr: Toluene-d8	0.54		0.5000		108	70	130				
Sample ID: Ics-56011	SomeT		24	Too		A Mothod		ilee Chort	List		
-		ype: LC:					8260B: Volati	nes snort	LISL		
Cilent ID: BatchQC		ID: 560			unNo: 72						
Prep Date: 10/23/2020	Analysis D	ate: 10	/24/2020	S	eqNo: 28	62546	Units: %Rec	:			
Analyte	Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: 1,2-Dichloroethane-d4	0.52		0.5000		104	70	130				
Surr: 4-Bromofluorobenzene					• • •						

Qualifiers:

S

٠ Value exceeds Maximum Contaminant Lovel.

D Sample Diluted Due to Matrix

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

% Recovery outside of range due to dilution or matrix

E Value above quantitation range J Analyte detected below quantitation limits

Sanule pH Not In Range Р

Analyte detected in the associated Method Blank

PQL Practical Quanitative Limit

RL Reporting Limit

B

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2010B12

29-Oct-20

Client: Talon A	rtesia									
Project: Chimayo	o 16 st 3									
Sample ID: Ics-56011	Samo	Type: L	0.54	Te	stCode: F	PA Methor	1 8260B: Vola	tilos Shor	tíjet	
Client ID: BatchQC	•	h ID: 5			RunNo:		1 0200D, VQIA	(1163 5110)		
							11-11 Arm			
Prep Date: 10/23/2020	Analysis i	Jate: 1	0/24/2020		SeqNo: 2	2562546	Units: %Re	c		
Analyte	Result	PQL		SPK Ref Val	%REC			%RPD	RPDLimit	Qual
Surr: Dibromofluoromethane	0.54		0.5000		108	70				
Surr: Toluene-d8	0.55		0.5000		109	70	130			
Sample ID: mb-56003	Samp	Гуре: М	BLK	Tes	stCode: E	PA Method	8260B; Vola	iles Shor	t List	
Client ID: PBS	Batc	h ID: 56	003	1	RunNo: 7	2903				
Prep Date: 10/23/2020	Analysis [Date: 1	0/25/2020	:	SeqNo: 2	562554	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluena	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.50		0.5000		99.1	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.5000		101	70	130			
Surr: Dibromofluoromethane	0.52		0.5000		105	70	130			
Surr: Toluene-d8	0.51		0.5000		102	70	130			
Sample ID: Ics-56003	SampT	ype: LC	:S4	Tes	tCode: E	PA Method	8260B: Volat	iles Short	List	
Client ID: BatchQC	Batch	n ID: 56	003	F	RunNo: 7	2903				
Prep Date: 10/23/2020	Analysis D	ate: 1)/25/2020	5	SeqNo: 2	562555	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	92.4	80	120			
Foluene	1.0	0.050	1.000	0	103	80	120			
Ethylbenzene	1.1	0.050	1.000	0	105	80	120			
Kylenes, Total	3.1	0.10	3.000	0	103	80	120			
Surr: 1,2-Dichloroethane-d4	0.51		0.5000		103	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.5000		99.9	70	130			
Surr: Dibromofluoromethane	0.55		0.5000		110	70	130			
Surr: Toluene-d8	0.51		0.5000		102	70	130			
Sample ID; 2010b12-013ams	Samp⊺	ype: MS	64	Tes	tCode: El	PA Method	8260B: Volati	les Short	List	
Client ID: S13	Batch	ID: 56	003	F	RunNo: 7	2903				
Prep Date: 10/23/2020	Analysis D	ate: 10	/25/2020	S	SeqNo: 2	562557	Units: mg/Kg	9		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Senzene	1.1	0.025	0.9921	0	106	71.1	115			
				0	440	70.0	132			
oluene	1.2	0.050	0.9921	0	118	79.6				
oluene thylbenzene	1.2	0.050	0.9921	0	123	83.8	134			

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

 ND
 Not Detected at the Reporting Limit

 PQL
 Practical Quantative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

 P
 Sample pH Not In Range

 RL
 Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Client:	Talon Artesia
Project:	Chimayo 16 st 3

Sample ID: 2010b12-013ams	SampType: MS4 TestCode: EPA Method 8260B: Volatiles Short List									
Client ID: \$13	Batch	n ID: 56	003	F	RunNo: 7	2903				
Prep Date: 10/23/2020	Analysis D	ate: 10	0/25/2020	5	SeqNo: 2	562557	Units: mg/H	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	0.51		0.4960		103	70	130			
Surr: 4-Bromofluorobenzene	0.50		0,4960		100	70	130			
Surr: Dibromofluoromethane	0.55		0.4960		110	70	130			
Surr: Toluene-d8	0.52		0.4960		104	70	130			
Client ID: S13 Prep Date: 10/23/2020	Batch Analysis D	i ID: 560 ate: 10			RunNo: 7: SeqNo: 21		Units: mg/K	ģ		
Analyte										
	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	Result 1.0	PQL 0.025	SPK value 0.9960	SPK Ref Val 0	%REC 105	LowLimit 71.1	HighLimit 115	%RPD 0.968	RPDLimit 20	Qual
Benzene										Qual
Benzene Foluene Ethylbenzene	1.0	0.025	0.9960	0	105	71.1	115	0.968	20	Qual
Benzene Foluene	1.0 1.2	0.025 0.050	0.9960 0.9960	0 0	105 117	71.1 79.6	115 132	0.968 0.413	20 20	Qual
Benzene Foluene Ethylbenzene	1.0 1.2 1.2	0.025 0.050 0.050	0.9960 0.9960 0.9960	0 0 0	105 117 118	71.1 79.6 83.8	115 132 134	0.968 0.413 3.55	20 20 20	Qual
3enzene Foluene Ethylbenzene Kylenes, Total	1.0 1.2 1.2 3.5	0.025 0.050 0.050	0.9960 0.9960 0.9960 2,988	0 0 0	105 117 118 117	71.1 79.6 83.8 82.4	115 132 134 132	0.968 0.413 3.55 0.328	20 20 20 20	Qual
3enzene Foluene Ethylbenzene Kylenes, Total Surr: 1,2-Dichloroethane-d4	1.0 1.2 1.2 3.5 0.52	0.025 0.050 0.050	0.9960 0.9960 0.9960 2.988 0.4980	0 0 0	105 117 118 117 105	71.1 79.6 83.8 82.4 70	115 132 134 132 130	0.968 0.413 3.55 0.328 0	20 20 20 20 20 0	Qual

Qualifiers:

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

Page 19 of 21

WO#:

2010B12

29-Oct-20

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2010B12

29-Oct-20

Client: Talon A Project: Chimay	Artesia vo 16 st 3	
Sample ID: mb-56001	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range
Client ID: PBS	Batch ID: 56001	RunNo: 72901
Prep Date: 10/23/2020	Analysis Date: 10/24/2020	SeqNo: 2562518 Units: mg/Kg
	·	
Analyte Gasoline Range Organics (GRO)	Result PQL SPK value ND 5.0	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: BFB	540 500.0	109 70 130
Sample ID: Ics-56001	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range
Client ID: LCSS	Batch ID: 56001	RunNo: 72901
Prep Date: 10/23/2020	Analysis Date: 10/24/2020	SeqNo: 2562519 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO)	22 5.0 25.00	0 88.9 70 130
Surr: BFB	520 500.0	103 70 130
Sample ID: mb-56011	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range
Client ID: PBS	Batch ID: 56011	RunNo: 72903
Prep Date: 10/23/2020	Analysis Date: 10/24/2020	SeqNo: 2562573 Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: BFB	450 500.0	90.8 70 130
Sample ID: Ics-56011	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range
Client ID: LCSS	Batch ID: 56011	RunNo: 7 2903
Prep Date: 10/23/2020	Analysis Date: 10/24/2020	SeqNo: 2562574 Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: BFB	460 500.0	91.2 70 130
Sample ID: mb-56003	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range
Client ID: PBS	Batch ID: 56003	RunNo: 72903
Prep Date: 10/23/2020	Analysis Date: 10/25/2020	SeqNo: 2562591 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 450 500.0	89.3 70 130
Sample ID: Ics-56003	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range
Client ID: LCSS	Batch ID: 56003	RunNo: 72903
Prep Date: 10/23/2020	Analysis Date: 10/25/2020	SeqNo: 2562592 Units: mg/Kg
Analyte		SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO)	22 5.0 25.00	0 87.4 70 130
Surr: BFB	440 500.0	88.5 70 130

Qualifiers:

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

н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Linit

ND PQL. Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix s

в Analyte detected in the associated Method Blank

Е Value above quantitation range

J Analyte detected below quantitation limits

Р Sample pH Not In Range RL Reporting Limit

Page 20 of 21

Hall Environmental Analysis Laboratory, Inc.

WO#: 2010B12

29-Oct-20

Client: Talon A Project: Chimayo										
Sample ID: 2010b12-014ams	Samp	Туре: М	S	Tes	tCode: E	PA Method	8015D Mod:	Gasoline	Range	4.# J. <u>0.2 0.</u>
Client ID: 17SW	Batch ID: 56003 RunNo: 72903									
Prep Date: 10/23/2020	Analysis (Date: 10	0/25/2020	5	SeqNo: 2	562595	Units: mg/ł	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	43	4.9	49.31	0	86.9	49.2	122			
Surr: BFB	440		493.1		89.8	70	130			
Sample ID: 2010b12-014ams	d Sampl	Type: MS	SD	Tes	tCode: El	PA Method	8015D Mod:	Gasoline	Range	
Client ID: 17SW	Batc	h ID: 56	003	F	RunNo: 7	2903				
Prep Date: 10/23/2020	Analysis E	Date: 10	/25/2020	8	GeqNo: 2	562596	Units: mg/H	ίg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	24.88	0	90,3	49.2	122	62.4	20	R
Surr: BFB	460		497.5		92.3	70	130	0	0	

Qualifiers:

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

Page 21 of 21

ANAL	RONMENTAL LYSIS DRATORY	TEL: 505-345	uental Analysis Labor 4901 Hawki Albuquerque, NA S -3975 FAX: 505-345 nts.ballenvironmenta	ns NE 87109 Sai -4107	Sample Log-In Check List					
Client Name:	Talon Artesia	Work Order Nu	mber: 2010812		RcptNo: 1					
Received By:	Cheyenne Cason	10/23/2020 8:00:6	MA 00							
Completed By:	Erin Melendrez	10/23/2020 8:23:3	35 AM							
Reviewed By:	SPA 10-23	, 20								
<u>Chain of Cus</u>	stody									
1. Is Chain of C	Custody complete?		Yes 🔽	No 🗌	Not Present					
2. How was the	sample delivered?		Client							
<u>Log In</u>										
Was an atten	npt made to cool the samp	es?	Yes 🔽	No []]	NA 🗌					
4, Were all sam	ples received at a tempera	ture of >0° C to 6.0°C	Yes	No 🗹	NA 🗆					
5. Sample(s) in	proper container(s)?		<u>samples not</u> Yes 🔽	frozen. No 🗌						
6, Sufficient sam	ple volume for indicated te	st(s)?	Yes 🔽	No []]						
7. Are samples (except VOA and ONG) pro	perly preserved?	Yes 🔽	No 🗌						
8. Was preserva	tive added to bottles?		Yes 🗋	No 🔽	NA 🗌					
9. Received at le	ast 1 vial with headspace	1/4" for AQ VOA?	Yes 🗌	No 🗌	NA 🗹	and the second				
10. Were any san	nple containers received br	oken?	Yes 🗌	No 🔽	# of preserved					
	ork match bottle labels?		Yes 🔽	No 🗌	bottles checked for pH:					
	ancies on chain of custody) correctly identified on Chain	of Custodu?	Yes 🔽	No 🗌	Adjusted?	unless noted)				
	analyses were requested?		Yes 🗹							
	ig times able to be met?		Yes 🗹	No 🗌	Checked by: SR	10/73/20				
	ustomer for authorization.)		100 (2)	<						
Special Handli	ing (if applicable)			Ċ,						
15, Was client no	tified of all discrepancies w	ith this order?	Yes 🛄	No 🗌	NA 🗹					
Person	Notified:	Date	e en el el composition de la	len trest trestant en e tre her	•					
By Who	ni: (^{ner setura de trata}	Via:	eMail [] Pr	none [] Fax	In Person					
Regardi	ng:	and the state of the		anda an a' anna tra' dala	a construction and construction and construction					
Client In	structions:	an a	nangent stratan kata dika na mina ki katana	an an an tha at a train an 1945 a	e tradition de la construcción de l					
16. Additional ren	narks:									
17. <u>Cooler Inforr</u> Cooler No	nation Temp °C Condition	Seal Intact Seal No	Seal Date	Signed By						
1	0.2 Good		ocal balo	oighta by						
2	4.0 Good									
3	0.6 Good			:						
Page 1 of	 1									

Chain-of-Custody Record	Turn Areand			_												All and a second
Client: Talon LPE		Time: $v-D$	<i>'</i>		22		171 -	1 473 27								
	🖽 Standard	i 🗆 Rusi	16 16 5t3.		HALL ENVIRONMENTAL							4				
408 W Texas St Mailing Address: Artesia NIM 88240	Project Nam	e:Chimary	6165t3.		ANALYSIS LABORATOR							¥				
Mailing Address: Artesia, NM 88210		(chimavo)			www.hallenvironmental.com											
	(chimayo) Project #: 700 794,349.01				4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107											
Phone #					1 E	91. DL	15-34	5-397	5 1	Fax	505	-345-	4107			
email or Fax#: (575) 746-8905	Project Mana	eger: B, S;m	clair	H-COLOR		6.4930	80022				1Xet	1				和
QA/QC Package:				(8021)	MRO)	3'S		S	SO4			sent)				
□ Standard □ Level 4 (Full Validation) Accreditation: □ Az Compliance				3) s'i	DRO / I	PCE		NIS	PO			t/Ab				
I NELAC I Other	Sampler: R	oy Rell		TMB's (082	,	827(NO.	3		sen				
EDD (Type)	# of Coolers	NX HES			SRO	es/8	504	or .			(YO	(Pre			}	
	Cooler Temp	Ofinciliding CE)		MTBE	TPH:8015D(GRO	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	ChyF. Br. NO.	- A	8270 (Semi-VOA)	Total Coliform (Present/Absent)				
	Container	Brononiotius			801	Pes	(Mei	hy .		i S	(Sen	Colif				
Date Time Matrix Sample Name	Type and #	Type	HEAL No.	BTEX,	ΗH	081	DB	AHS	CINE.	8260 (VOA)	570	otal (
19/20/20 11:30 501 3 SW	Tar	Cool/Ice	-MI	X	\times	- 60	<u> </u>					Ĕ				
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if necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

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Received by OCD: 7/13/2023 11:35:30 AM

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الم المصيفة المستعن المنافعات

ويحركونه وتستحديه والراجع والأفسوا والتحاج والمشتان

ومعتدة وتعتلا والد

Released to Imaging: 7/21/2023 7:24:50 AM

والمستعدة



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

November 25, 2020

Brandon Sinclair Talon Artesia 408 West Texas Ave Artesia, NM 88210 TEL: (806) 467-0607 FAX (806) 467-0622

RE: Chimayo 16 St 3

OrderNo.: 2011A42

Dear Brandon Sinclair:

Hall Environmental Analysis Laboratory received 5 sample(s) on 11/20/2020 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

						Analytical Report		
Hall Environmental Anal	ysis Laboratory, I	nc.		- Net Constant and the second		Date Reported: 11/25	/2020	
CLIENT: Talon Artesia Client Sample ID: S-2 3'								
Project: Chimayo 16 St 3	Collection Date: 11/17/2020 10:30:00 AM							
Lab ID: 2011A42-001	Matrix: SOIL		Recei	ved Dat	e: 11.	/20/2020 8:00:00 AM	1	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS						Analy	st: MRA	
Chloride	270	60		mg/Kg	20	11/25/2020 3:40:29 A	M 56650	

+

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

Page 1 of 6

Hall Environmental Analy	ysis Laboratory, I	Analytical Report Lab Order 2011A42 Dratory, Inc. Date Reported: 11/25/202							
CLIENT: Talon Artesia		Clie	ent Sample II	D: S-:	2 5'				
Project: Chimayo 16 St 3	Collection Date: 11/17/2020 10:45:00 AM								
Lab ID: 2011A42-002	Matrix: SOLL	F	Received Dat	e: 11/	/20/2020 8:00:00 AN	4			
Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analy	st: MRA			
Chloride	130	60	mg/Kg	20	11/25/2020 4:42:30 A	M 56650			

	٠	Value exceeds Maximum Contaminant Level.
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- D Sample Diluted Due to Matrix н
 - Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- s % Recovery outside of range due to dilution or matrix
- В Analyte detected in the associated Method Blank Value above quantitation range Е
- Analyte detected below quantitation limits J
- Р Sample pH Not In Range
- RL Reporting Limit

Page 2 of 6

Qualifiers:

Hall Environmental Analy	ysis Laboratory, Ind	• •	Analytical Report Lab Order 2011A42 Date Reported: 11/25/2020							
CLIENT: Talon Artesia Project: Chimayo 16 St 3			t Sample II lection Dat		2 10' /17/2020 10:55:00 A	M				
Lab ID: 2011A42-003	Matrix: SOIL	Re	ceived Dat	e: 1 1/	/20/2020 8:00:00 AN	Л				
Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch				
EPA METHOD 300.0: ANIONS					Analy	st: MRA				
Chloride	110	60	mg/Kg	20	11/25/2020 4:54:55 A	M 56650				

	•	Value exceeds Maximum Contaminant Le	vel.
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- Sample Diluted Due to Matrix D H
- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit PQ1.
- s % Recovery outside of range due to dilution or matrix
- Value above quantitation range Analyte detected below quantitation limits Sample pH Not In Range É

Analyte detected in the associated Method Blank

- J Р
- RL Reporting Limit

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Page 3 of 6

Qualifiers:

Hall Environmental Analy	ysis Laboratory, II	nc.		Lab On	tical Report der 2011A42 eported: 11/25	
CLIENT: Talon Artesia		Clier	nt Sample II): S-2 15'		
Project: Chimayo 16 St 3		Co	llection Date	e: 11/17/202	0 11:05:00 A	M
Lab ID: 2011A42-004	Matrix: SOIL	R	eceived Date	e: [1/20/2020	00:00 AN	Л
Analyses	Result	RL Q	ual Units	DF Date A	nalyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	/st: MRA
Chloride	150	60	mg/Kg	20 11/25/2	2020 5:07:19 A	AM 56650

:	•	Value exceeds Maximum Contaminant Level.

- Sample Diluted Due to Matrix D 11
 - Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- s % Recovery outside of range due to dilution or matrix
- Analyte detected in the associated Method Blank в Value above quantitation range Е
- Analyte detected below quantitation limits J
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 6

Qualifiers

Hall Environmental Analy	ysis Laboratory, In	IC.			Analytical Report Lab Order 2011A42 Date Reported: 11/25/	2020			
CLIENT: Talon Artesia Project: Chimayo 16 St 3		Client Sample ID: S-2 20' Collection Date: 11/17/2020 11:20:00 AM							
Lab ID: 2011A42-005	Matrix: SOIL	Received Date: 11/20/2020 8:00:00 AM							
Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS Chloride	180	60	mg/Kg	20	Analys 11/25/2020 5:19:43 Al	st: MRA M 56650			

Oualifiers:	•	Value exceeds Maximum Contaminant Level	в	Analyte detected in the associated Method Blank	
2	D	Sample Diluted Due to Matrix	Е	Value above quantitation range	
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	Dece 5 of
	PQL.	Practical Quanitative Limit	RL	Reporting Limit	Page 5 of
	S	% Recovery outside of range due to dilution or matrix			

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2011A42

25-Nov-20

	Artesia iyo 16 St 3								
Sample ID: MB-56650	SampType: mblk	TestCode: EPA Method 300.0: Anions							
Client ID: PBS	Batch ID: 56650	RunNo: 73617							
Prep Date: 11/24/2020	Analysis Date: 11/25/2020	SeqNo: 2594136	Units: mg/Kg						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual					
Chloride	ND 1.5								
Sample ID: LCS-56650	SampType: Ics	TestCode: EPA Method	300.0: Anions						
Client ID: LCSS	Batch ID: 56650	RunNo: 73617							
Prep Date: 11/24/2020	Analysis Date: 11/25/2020	SeqNo: 2594137	Units: mg/Kg						
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual					
Chloride	14 1.5 15.00	0 91.8 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
- P Sample pH Not Ir RL Reporting Limit

Page 6 of 6

HALL ENVIRONM ANALYSIS LABORATO		TEL: 505-345-;	utal Analysis Labora - 4901 Howkm Albuquerque, NM 83 3075 FAX: 505-345-4 ts.hallenvironmental.	s NE 7109 San 1107	nple Log-In Check List
Client Name: Talon	Artesia	Work Order Num	ber: 2011A42		RcptNo: 1
Received By: Sean	Livingston	11/20/2020 8:00:00	AM	S.L.	zalm.
Completed By: Erin I	Melendrez	11/20/2020 8:32:36	AM		-
Reviewed By: ッパン	11/20/20				
<u>Chain of Custody</u>					
1. Is Chain of Custody c	omplete?		Yes 🔽	No 🗌	Not Present
2. How was the sample	delivered?		Courier		
<u>Log In</u> 3. Was an attempt made	to cool the samples?		Yes 🗹	No 🗌	NA []
 Were all samples rece Sample(s) in proper co 		f >0° C to 6.0°C	Yes Sample not fr	- " —	
or campie(s) in proper co	ontainer(s) /		Yes 🗹	No 🛄	
6, Sufficient sample volur	ne for indicated test(s)?		Yes 🔽	No 🗌	
7, Are samples (except V	OA and ONG) properly	preserved?	Yes 🔽	No 🗌	
8. Was preservative adde	d to bottles?		Yes 🗌	No 🔽	NA 🗌
9. Received at least 1 vial	with headspace <1/4" f	or AQ VOA?	Yes 🗌	No 🗔	NA 🔽
10. Were any sample cont	ainers received broken?		Yes 🗋		# of preserved bottles checked
11. Does paperwork match (Note discrepancies on	chain of custody)		Yes 🔽		for pH; (<2 or >12 unless noted)
12. Are matrices correctly in		stody?	Yes 🗹	No 🗌	Adjusted?
13. Is it clear what analyses			Yes 🗹	No 🗌	
14. Were all holding times a (If no, notify customer fo			Yes 🔽	No 🗍	Checked by: $\int G(C_1)/2G(Z_2)$
<u>Special Handling (if a</u>	pplicable)				
15. Was client notified of a		order?	Yes 🗌	No 🗌	NA 🔽
Person Notified:	for the state of the state of the second	Date:	en e	er e	
By Whom: Regarding: Client Instructions	an - anna - Constantina far teatra an garage an	Via:	📄 eMail 📄 Pho	n den af Marsele Galf er som den sen den som	
16. Additional remarks:					
17. <u>Cooler Information</u> Cooler No Temp ⁴ 1 -0.7	C Condition Seal Good	Infact Seal No	Seal Date Si	gned By	

Page 1 of 1

C	hain	-of-C	ustody Record	Turn-Around	d Time: 4-DA			ब्रियन	(UK STAT											
Client:		I LPE			4-DA						IA	LL	EN	IV	IR	ON	MF	:NT	TAI	
	HLON	I CVE		⊇ छे Standar Project Nam		h	1 [5222		ß	۱N	AL'	YS	IS	L	ABC	DR/	8 TT 6)P	v
A d = 10 = 1					le:											al.com		-4 6 6		8
maning	Address	s: <u>408</u>	W. TEXAS ANE	CHIMAY	0 16 ST. =	3		49	<u>ิ</u> ก1 ผ											
ARTE		WM S	18210	Project #:			4		el. 50							, NM 8				
Phone	<u>#: 575</u>	- 746-5	176 B	700794	349.01					J-3-	10-00		Fa Iallys			345-41	07		2058	
email c	r Fax#:			Project Man	ager:								according to the			STATISTICS STATISTICS				
QA/QC	Package	:			-		021	ARC	s's		S		SO4			sent				
Star	ndard		Level 4 (Full Validation	1) B.SINC	LAIR		s (8	1/0	PCB		SIM		PO4,			/Abs				
Accred	itation:		ompliance	Sampler: \mathcal{M}	ICHAEL CA	DELLER	TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	,	8270SIMS		NO ₂ , I			Total Coliform (Present/Absent)				
		□ Othe	ſ	On Ice:	⊡⁄Yes	🗆 No		20 /	s/8(04.	노		ž		$\widehat{\mathbf{A}}$	Pre				
) (Туре)	1	1	# of Coolers	A CONTRACTOR OF A CARL CARLES AND A CARLES AND		BTEX/MTBE/)(GF	cide	EDB (Method 504.1)	PAHs by 8310 or	RCRA 8 Metals	CI,)F, Br, NO ₃ ,		8270 (Semi-VOA)	Ξ				
					l(including CF): -○)	Ξ	15D	esti	leth	×8 8	M N	۲, ۱ ۵	5	emi	<u>[</u>]				
				Container	Preservative	HEAL No.	ΞX-	4:80	E P	S S	우	RA		8260 (VOA)	S	ŏ				
	1	Matrix	Sample Name	Type and #	Туре	2011AU2	E H	Ē	808		PA	RO		820	827	Tote				
11-17-20	in:30	Sorc	5-2 3'	GLASS r	ICELOOL	$-\delta S$							/							
	10:45	1	5-2 5'	- Andrew State	1	-007							<u></u>				+			
	10:55		S-2 10'	- All Neve		-003														
and the second second	14:05	an canada	5-2 15'			-004	+										+			
1	11:20	-	5-2 20'	27		-005														
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Date:	Time:	Relinquish	•		Via: 👌	Date Time	1													
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		nometer aut	brittod to Hall Paulicomental				<u>ب</u> ليل				_	- 1.44	~	إستار	113 A	\mathbf{U} : B	OM D	トリッンし	inc	1

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

New York of Contractory Contractory

NEW STREET, ST

Received by OCD: 7/13/2023 11:35:30 AM

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources

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

*Surface Waste Management Facility Operator and Generator shall maintain and make this documentation available for Division inspection.

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Form C-138

Revised August 1, 2011

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE
1. Generator Name and Address: Devon Energy 6488 Seven Rivers Hwy Artesia, NM 88210
2. Originating Site:
Chimayo 16 State #3
3. Location of Material (Street Address, City, State or ULSTR): 32.1329002, -103.9933624
4. Source and Description of Waste: Soil impacted from a produced water spill as a result of the pump discharge line impairment.
1858 tons
Estimated Volume (volume) yd ³ /bbls Known Volume (to be entered by the operator at the end of the haul) 1/2 27 yd ³ /bbls 5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS I. Rebecca Pons, representative or authorized agent for Devon Energy do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)
RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non- exempt waste. Operator Use Only: Waste Acceptance Frequency Monthly Weekly Per Load
RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous be characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Chec the appropriate items)
🗇 MSDS Information 🛛 RCRA Hazardous Waste Analysis 🗋 Process Knowledge 🗍 Other (Provide description in Box 4)
GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS I,
5. Transporter:
CD Permitted Surface Waste Management Facility
Name and Facility Permit #: Lea Land, LLC Permit #: WM-1-035
Address of Facility: MM 64 Hwy 62/180 East, Carlsbad, NM 88220
Method of Treatment and/or Disposal:
🗌 Evaporation 🔲 Injection 🔲 Treating Plant 🔛 Landfarm 🔀 Landfill 🔲 Other
Waste Acceptance Status:
PRINT NAME. Shelley Denton DATE: 99. TITLE: Manager DATE: 99. Compared by DATE: 99. Comp

ta.

Sh

Released to Imaging: 7/21/2023 7:24:50 AM

SIGNATURE:

TELEPHONE NO .: 405-236-4257

73N.N

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

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

District III

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

District IV

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

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

CONDITIONS

Operator:	OGRID:
RAYBAW Operating, LLC	330220
2626 Cole Avenue	Action Number:
Dallas, TX 75204	239621
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

CONDITI	UNS	
Created By	Condition	Condition Date
bhall	Excavated soil from the top 2 feet of the historic excavation that will be used as backfill must have one 5-point composite sample collected every 100 cubic yards. The composite samples must be analyzed for all constituents in Table 1 and must meet the most stringent closure standards/reclamation standards. If the soil does not meet the most stringent closure standards/reclamation standards and the soil must be hauled for disposal.	7/21/2023
bhall	Soil excavated from below 2 feet cannot be used for backfill.	7/21/2023
bhall	No soil blending is allowed.	7/21/2023
bhall	Include copies of all field notes and sampling procedures in the closure report.	7/21/2023
bhall	Variance request of 5-point composite confrmation samples representative of no more than 500 square feet approved.	7/21/2023
bhall	Include pictures of remediation process including excavation prior to backfill, locations of sample points, and stockpiled soil to be used as backfill.	7/21/2023
bhall	Submit a complete report through the OCD Permitting website by 10/21/2023.	7/21/2023

Action 239621