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. NAB1728637411

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 October 6, 2017, and can be found in Appendix C. This incident was assigned Incident ID NAB1728637411, 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 Criteria 19.15.29										
Depth to Groundwater	Constituent & 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**

**NAB1728637411:** On October 2, 2017, there was a split in the pump discharge line resulting in the release. The pump was shut down to prevent any further release. The discharge line was repaired. 33 BBLS of produced water was released from the pump discharge line. A vacuum truck was dispatched and 30 BBLS of produced water were recovered. The release originated from the pump discharge line that is located on the well pad on the west side of the pump building. An area approximately 150 ft x 300 ft on the well pad was affected by the release. None of the released fluid left pad.

#### 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.

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- 16. Fresh, natural, clean topsoil will be brought in from a nearby pit to backfill the top 1' area.
- 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

NINIOCD Table 1 Closure Criteria 19.15.29 NINAC (Depth to Groundwater is 51-100)											
Raybaw Operating - Chimayo 16 State #3											
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	61	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')										
Raybaw Operating - Chimayo 16 State #3											
Date: 9-1-20	20 NM Approved Laboratory Results										
Commiss ID	Depth	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CI			
Sample ID	(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	able 1 Clo	sure Crit	eria 19.15.:	29 NMAC	(Depth to	Ground	water is 51-1	.00')					
	Raybaw Operating - Chimayo 16 State #3												
Date: 9-16-20 NM Approved Laboratory Results													
Sample ID	Depth (BGS)	BTEX mg/kg	BTEX Benzene GRO DRO MRO Total T ng/kg mg/kg mg/kg mg/kg mg/kg mg/k										
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')										
Raybaw Operating - Chimayo 16 State #3											
Date: 10-7-20	_		NM Approved Laboratory Results								
Comula 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			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				
3 SW	2'	ND	ND	ND	ND	61	61	5400				
WSW	2'	ND	ND	ND	ND	ND	0	410				
18SW	2'	ND	ND	ND	ND	60	60	8200				
S3	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				
<b>S</b> 9	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				
175W	2'	ND	ND	ND	ND	ND	0	400				

NMOCD T	NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')										
Raybaw Operating - Chimayo 16 State #3											
Date: 11-17-20 NM Approved Laboratory Results											
construction in the	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

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Malaga

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

Chimayo 16 State #3

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Chimayo 16 State #3

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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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# Chimayo 16 State #3

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



#### Legend

• 5-point Composite base samples

• 5-point Composite sidewall samples

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Excavated Areas - 23,200sqft

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Google Earth

TA		<u>N</u>				BORING LOG			
Projec	ct No.: 7	00 <b>7</b> 94.349.0	1		Wea	ther: Sunny Temp.: <u>71</u> °F	Driller: Marcus Doyle		
Site N	ame: Ch	nimayo 16 S	tate #003		Log	ger: Brandon Sinclair	Rig Type: Geoprobe 7822DT		
Locati	ion: Edd	y County, N	M		Field	Instrument: CL Titration	Bit Size: 3 1/2"		
Date:	11/17/2	020			Latit	udo: 22º 07' 57 40" N	Drilling Method: Air Rotany		
Darba			C	orrect	ed <b>C</b>	ide. 52, 07, 57.40 N			
Bound	g Number	1: 5-2			Long	itude: 103°, 59°, 30.9° W	Sample Retrieval Method: Sp	it Spoon	
Time	Lab Sample Collected	Sample Interval (ft)	Sample Recovery (ft)	USCS	Composition (%)	Sample Mate Include composition, color, plastici	erial/Comments grain size, moisture, hardness, ty, densily	Hydrocarbon Odor	PlD (ppm)
		3-5'				Pinkish-white slightly silty fi	ne sand (SP-SM)	None	
		5-10'				White fine sand (SP) with c	aliche	None	
		10-15'				Pinkish-white calcareous ca	aliche	None	
		15-35'				Light tan-brown to brown fin	e sands (SP)	None	Ĩ.
		35-51'				Brown fine sands (SP)		None	
								None	
								Slight Mod.	
							and the second second	Strong	
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Surface Notes: Logger	e Elevat TD @	ion: 51', Groun : BS	dwater no	ot enco	ountered				

Page 1 of 1

#### 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

### Click to hideNews Bulletins

- 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 =

• 320739103584201

### 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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🍰 1.33 Miles

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

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### Legend

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regulatory purposes.

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.

Page 24 of 144

Released to Imaging: 7/21/2023 7:19:41 AM



## Appendix C

C-141 Form

NMOCD Correspondence

Received by C	OCD: 7/13	/2023 11:39	:24 AM								Page 26 of 144
District I			vico Oil	S+	to of	Now Mor	NM OIL C	CONSI		N	
1625 N. French District II	Dr., Hohh-	the New Me	osite for	Mi	nerals a	and Natura	I Resources	T <b>1 2</b>	2017		Form C-141 Revised August 8, 2011
District III	ase relation	Division La at:	must	' C	'onser	vation Div	vision	Sub	mit 1 Copy	to appropr	iate District Office in
1000 Rio B. CO	nserted forn	n(s) act	Thank Y	<sup>00</sup> 1220	South	St France	vision			cordance w	ith 19.15.29 NMAC.
1220 S. St. E.	ttp://www	.elm	1110	1220 Sa	nta Fe	NM 875	$\mathbf{R}$	ECEIV	/ED		
ÿ	OCD/ form	S.11:	Rele	ase Notific	ation	and Co	orrective A	ction			
NABIN	18637	1411				OPERA'	ΓOR			al Report	Final Report
Name of Co	ompany D	evon Energy	Product	ion Company 💋	137	Contact W	/esley Ryan-Pro	duction	n Foreman	1	
Address 64	88 Seven I	Rivers Hwy	Artesia, 1	NM 88210	· · · ·	Telephone	No. 575-390-54	36			
Facility Na	<b>me</b> Chima	yo 16 State 3	3			Facility Ty	pe Salt Water D	isposal			
Surface Ov	wner State			Mineral	Owner	State			API No	30-015-3	8105
				LOCA	TION	N OF REI	LEASE				
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/V	Vest Line	County	
F	16	258	29Ē	1610		FNL	1455	F	WL	Eddy	
l	1.		 Т	+:+		T	-:	2624		[	
			La	<b>utuae:</b> 32.13290	02		gitude: 103.993	3624			
Type of Pele	ase Produ	and Water			URE	OF REL	Polosso 33 PRI	c I	Volumo I	Decovered	20 BBI S
Source of Re	elease Pump	discharge lin	ie			Date and	Hour of Occurre	nce	Date and	Hour of D	iscovery
						October 2,	2017 10:00 AM		October 2	2, 2017 10:0	00 AM
Was Immed	iate Notice	Given?	Yes 🗌	] No 🔲 Not Re	equired	If YES, To OCD-Mike	<b>Whom?</b> e Bratcher				
By Whom?	Wesley Rya	n-Production	Foreman	······································		Date and I	Hour October 3, 2	2017 8:3	0 AM		
Was a Wate	rcourse Re	ached?	Yes 🗵	No		If YES, Vo N/A	olume Impacting	the Wa	atercourse		
If a Waterco	ourse was I	mpacted, Des	cribe Ful	ly.* N/A							
	CD 1			-							
There was a s	split in the p	olem and Rem Sump discharg	e line resu	tion Taken.* Ilting in the releas	e. The	pump was sh	ut down to prever	nt any fu	rther releas	se. The dis	charge line was
repaired.											
Describe Ar	ea Affected	and Cleanur	Action 7	l'aken.*							· · · · · · · · · · · · · · · · · · ·
33 BBLS of	Produced W	ater was relea	used from	the pump dischar	ge line.	A vacuum tr	uck was dispatche	ed and 3	0 BBLS of	Produced	Water was recovered.
The release of 300 ft on the	originated fr	om the pump	discharge	line that is locate	d on the	well pad on i	the West side of the	he pump	building.	An area ap	proximately 150 ft x
	wen pad w	as affected by	the releas	e. None of the re	icase nu	nu ien pau.					
			·			•					
I hereby cert	ify that the i	information gi	ven above	e is true and comp	lete to the	he best of my	knowledge and u	indersta	nd that purs	suant to NN	10CD rules and
public health	or the envi	ronment. The	acceptan	the of a C-141 repo	ort by the	e NMOCD m	harked as "Final R	eport" d	loes not rel	ieve the op	erator of liability
should their o	operations h	ave failed to a	dequately	investigate and r	emediate	e contaminat	ion that pose a thr	eat to gr	ound wate	r, surface w	ater, human health
or the enviro	nment. In a	ddition, NMC	CD acceptions	otance of a C-141	report d	oes not reliev	e the operator of	responsi	ibility for c	compliance	with any other
Tederal, state	, or rocar la	ws and/or rego	interioris.				OIL CON	SERV	ATION	DIVISI	ON
Signature: <b>J</b>	ennífer	Reyna							$\Delta$	A	1.0
Printed Nam	a: Jannifar I	Dauma				Approved by	Environmental S	necialis	IAK	5W	When I
Finted Nam		xeyna				Apploved by	IN1210	pecialis			
Title: Field A	<u>samin Sup</u>	port	<u> </u>			Approval Da					·
E-mail Addro	ess: jennife	r.reyna@dvn	.com			Conditions o	f Approval:			Attache	
Date:	10/6/2017	Р	hone: 575	.746.5588			e with	N	UN		MAX-4442
* Attach Addi	itional She	ets If Necess	ary								

.

Received by OCD: 7/13/2023 11:39:24 AM

Form C-141 Page 3 State of New Mexico Oil Conservation Division

Incident ID	nAB1728637411
District RP	
Facility ID	
Application ID	

Page 27 of 144

## 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.

- 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
- Diring or excavation logs
- Photographs including date and GIS information
- ☑ Topographic/Aerial maps
- Laboratory data including chain of custody

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

ceived by OCD: 7/13/2	023 11:39:24 AM		Page 28
form C-141	State of New Mexico	Incident ID	nAB1728637411
Page 4 O	Oil Conservation Division	District RP	
		Facility ID	
		Application ID	
	hoste and remediate contamination that bose a threat to g	oundwater. Surface water, numan near	
addition, OCD acceptance and/or regulations. Printed Name: Man Signature: Man email: Mana	Aug J. Winn Title Titl	$= \frac{Geoscience}{241/2023}$	federal, state, or local laws fst

Received by OCD: 7/13/2023 11:39:24 AM

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

# **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

X 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: Correy Silvin	Date: 07/20/2023
email:nwinn@sbcglobal.net	Telephone:281-793-5452
OCD Only	
Received by:	Date:
$\Box$ Approved $\checkmark$ Approved with Attached Conditions of A	Approval Denied Deferral Approved
Signature: 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 7:19:41 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:

Subject: Date:

To:

Nancy Winn

Tom Campbell; Jeff Stevenson; Tom Pima Oil Fw: The Oil Conservation Division (OCD) has rejected the application, Application ID: 182878 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

## Page 40 of 144



# Chimayo 16 State #003 Excavation

## Page 41 of 144



# Chimayo 16 State #003 Excavation

### Page 42 of 144



# Chimayo 16 State #003 Closure

### Page 43 of 144



# 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 Analys	is Laboratory,	Inc.			Analytical Report Lab Order 2007D09 Date Reported: 8/6/202	0
CLIENT: Talon Artesia Project: Chimayo 16 St. 3 Lab ID: 2007D09-001	Matrix: SOIL	C	lient Sample I Collection Dat Received Dat	D: S- te: 7/2	1 0'R 23/2020 11:50:00 AM 25/2020 7:50:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	300	60	mg/Kg	20	7/30/2020 8:26:09 PM	54063
EPA METHOD 8015M/D: DIESEL RANG	GE ORGANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	7/29/2020 8:03:37 PM	53998
Motor Oil Range Organics (MRO)	ND	47	mg/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 RAN	GE				Analyst	NSB
Gasoline Range Organics (GRO)	ND	4,8	mg/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/Kg	1	7/28/2020 11:29:48 AM	53975
Ethylbenzene	ND	0.048	mg/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	%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 Limit

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	Client Sample ID: S-2 0'R Collection Date: 7/23/2020 12:15:00 PM					
Lab ID: 2007D09-002	Matrix: SOIL		Received Day	DE	.5/2020 7:50:00 Alvi	D.4.1
Analyses	Kesult	KL	Qual Units	DF	Date Analyzed	Baten
EPA METHOD 300.0: ANIONS					Analyst:	MRA
Chloride	22000	1500	mg/Kg	500	7/31/2020 12:34:34 PM	54063
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst:	BRM
Diesel Range Organics (DRO)	61	47	mg/Kg	5	7/30/2020 3:03:20 PM	53998
Motor Oil Range Organics (MRO)	320	230	mg/Kg	5	7/30/2020 3:03:20 PM	53998
Surr: DNOP	97.0	30.4-154	%Rec	5	7/30/2020 3:03:20 PM	53998
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	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/Kg	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/Kg	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.

<b>Oualifiers</b> :	٠	Value exceeds 1
<b>X</b>	_	

- 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 Sample pH Not In Range
- Р RL. Reporting Limit

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**Analytical Report** Lab Order 2007D09

Hall Environmental Analys	sis Laboratory,	Inc.		and the second second	07 <del>404545</del> 479688	Date Reported: 8/6/2020	)
CLIENT: Talon Artesia Project: Chimayo 16 St. 3 Lab ID: 2007D09-003	Matrix: SOIL	C	lient S Collect Recei	ample f tion Dat ved Dat	<b>D:</b> S-3 te: 7/2 te: 7/2	3 0'R 3/2020 12:35:00 PM 5/2020 7:50:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS	04000	4500		malla	500	Analyst:	MRA
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS	1900		my/Kg	500	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) Surr: DNOP	66 0	49 30.4-154	10 S10	mg/Kg %Rec	1 1	7/29/2020 8:52:33 PM 7/29/2020 8:52:33 PM	53998 53998
EPA METHOD 8015D: GASOLINE RAN	IGE					Analyst:	NSB
Gasoline Range Organics (GRO) Surr: BFB	ND 87.9	4.8 66.6-105		mg/Kg %Rec	1 1	7/28/2020 1:51:05 PM 7/28/2020 1:51:05 PM	53975 53975
EPA METHOD 8021B: VOLATILES						Analyst:	NSB
Benzene	ND	0.024		mg/Kg	1	7/28/2020 1:51:05 PM	53975
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:	٠	Value exceeds Maximum Contaminant Level.
£		

- D Sample Diluted Due to Matrix Holding times for preparation or analysis exceeded н
- 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
- Р Sample pH Not In Range
- Reporting Limit RL

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Hall Environmental Analys	is Laboratory,	Inc.			Analytical Report Lab Order 2007D09 Date Reported: 8/6/2020	()
CLIENT: Talon Artesia		C	lient Sample I	D: S	-4 0'R	
Project:         Chimayo 16 St. 3           Lab ID:         2007D09-004	Collection Date: 7/23/2020 12:55:00 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	9900	300	mg/Kg	10	0 7/31/2020 12:59:22 PM	54068
EPA METHOD 8015M/D: DIESEL RANG	GE 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.

<b>Oualifiers:</b>	*	Value exceeds Maximum Contaminant Level.
<b>~</b>		

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

Surr: 4-Bromofluorobenzene

- % 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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Lab	Order	2007D09
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Hall Environmental Analys	is Laboratory,	Inc.		-	Date Reported: 8/6/2020	)
CLIENT: Talon Artesia Project: Chimayo 16 St. 3 Lab ID: 2007D09-005	Matrix: SOIL	C	lient Sample I Collection Dat Received Dat	D: S-5 ce: 7/2 ce: 7/2	5 0'R 13/2020 1:20:00 PM 15/2020 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 RANG	SE 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 RAN	GE				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.

Qualifiers:	•	Value exceeds Maximum Contaminant Lovel.
	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 Analys	is Laboratory,	Inc.		257.00000C780000	Analytical Report Lab Order 2007D09 Date Reported: 8/6/2020	<b>}</b>
CLIENT: Talon Artesia		C	lient Sample I	<b>D:</b> S-	6 0'R	
Project: Chimayo 16 St. 3			Collection Dat	e: 7/2	23/2020 1:40:00 PM	
Lab ID: 2007D09-006	Matrix: SOIL Received Date: 7/25/2020 7:50:00					
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 RANG	GE 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 RAN	GE				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

			,		
Qualifiers	Ouglifiers: Value exceeds Maximum Contaminant Level.	Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method B		
Quantitieror	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
				A b	

- 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 below quantilation limits Sample pH Not In Range Р Г
- RL, Reporting Linut

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Hall Environmental Analysis Laboratory, Inc.

Analytical	Report
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Lab Order 2007D09

Date Reported: 8/6/2020

		u constantina da cancerda da	Same and the fact in the second				
CLIENT: Talon Artesia		C	lient Sam	ple II	<b>):</b> S-'	7 0'R	
Project: Chimayo 16 St. 3			Collection	n Dat	e: 7/2	23/2020 2:00:00 PM	
Lab ID: 2007D09-007	Matrix: SOIL		Receive	d Dat	e: 7/2	25/2020 7:50:00 AM	
Analyses	Result	RL	Qual U	nits	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	MRA
Chloride	2700	150	m	ng/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	m	ig/Kg	1	7/29/2020 10:30:28 PM	53998
Motor Oil Range Organics (MRO)	47	44	m	g/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	m	g/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	m	g/Kg	1	7/28/2020 4:12:57 PM	53975
Toluene	ND	0.047	m	g/Kg	1	7/28/2020 4:12:57 PM	53975
Ethylbenzene	ND	0.047	m	g/Kg	1	7/28/2020 4:12:57 PM	53975
Xylenes, Total	ND	0.094	m	g/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.

<b>Oualifiers:</b>	+	Value exceeds Maximum Contaminant Level.
S		

- 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 Analysi	s Laboratory,	Inc.	neg ung juma any social generation and a social		Analytical Report Lab Order 2007D09 Date Reported: 8/6/2020	)		
CLIENT: Talon Artesia Project: Chimayo 16 St. 3 Lab ID: 2007D09-008	Client Sample ID: S-8 0'R Collection Date: 7/23/2020 2:10:00 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	42000	1500	mg/Kg	50	0 7/31/2020 1:36:36 PM	54068		
EPA METHOD 8015M/D: DIESEL RANG	E 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 RANG	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		

102

80-120

%Rec

1

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

Qualifiers:	٠	Value exceeds Maximum Contaminant Lavel.	В	Analyte d
Qualificities.	D	Sample Diluted Due to Matrix	Ε	Value abo

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

Surr: 4-Bromofluorobenzene

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

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7/28/2020 4:36:37 PM 53975

Analytical Report

Lab Order 2007D09

Hall Environmental Analysis	Laboratory,	Inc.				Date Reported: 8/6/2020	0
CLIENT: Talon Artesia Project: Chimayo 16 St. 3 Lab ID: 2007D09-009	Matrix: SOIL	9 0'R 23/2020 2:30:00 PM 25/2020 7:50:00 AM					
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
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	E					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.

<b>Onalifiers</b> :	•	Value exceeds Maximum Contaminant Lovel.	в	Analyte detected in the associated Method Blank	
2,000000	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	P	Sanple pH Not In Range	Daga 0
					E 20 E 2

RL Reporting Linut

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% Recovery outside of range due to dilution or matrix S

PQL Practical Quenitative Limit

Hall Environmental Analysi	is Laboratory,	Inc.			Analytical Report Lab Order 2007D09 Date Reported: 8/6/202	0		
CLIENT: Talon Artesia Project: Chimayo 16 St. 3 Lab ID: 2007D09-010	Client Sample ID: BG-1 0'Collection Date: 7/23/2020 2:40:00 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	3300	150	mg/Kg	50	7/31/2020 1:49:01 PM	54068		
EPA METHOD 8015M/D: DIESEL RANG	E 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 RANG	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		

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 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 Analysis	Laboratory,	Inc.		111-11-11-11-11-11-11-11-11-11-11-11-11		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 PM Matrix: SOIL Received Date: 7/25/2020 7:50:00 AM							
Analyses	Result	RL	Qual U	Inits	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS						Analyst:	CJS	
Chloride	390	60	n	ng/Kg	20	7/30/2020 4:26:39 PM	54068	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	BRM	
Diesel Range Organics (DRO)	ND	9.3	n	ng/Kg	1	7/30/2020 12:08:18 AM	53998	
Motor Oil Range Organics (MRO)	ND	47	ń	ng/Kg	1	7/30/2020 12:08:18 AM	53998	
Surr: DNOP	55.7	30.4-154	%	6Rec	1	7/30/2020 12:08:18 AM	53998	
EPA METHOD 8015D: GASOLINE RANGE	i					Analyst:	NSB	
Gasoline Range Organics (GRO)	ND	4.6	n	ng/Kg	1	7/28/2020 5:47:15 PM	53975	
Surr: BFB	88.2	66.6-105	%	6Rec	1	7/28/2020 5:47:15 PM	53975	
EPA METHOD 8021B: VOLATILES						Analyst:	NSB	
Benzene	ND	0.023	rr	ıg/Kg	1	7/28/2020 5:47:15 PM	53975	
Toluene	ND	0.046	m	ng/Kg	1	7/28/2020 5:47:15 PM	53975	
Ethylbenzene	ND	0.046	m	ng/Kg	1	7/28/2020 5:47:15 PM	53975	
Xylenes, Total	ND	0.092	m	ng/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.
×	D	n A ANT of JTD of the Metallic

- 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 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.       Analytical Report         Lab Order 2007D09       Date Reported: 8/6/2020											
CLIENT: Talon Artesia Project: Chimayo 16 St. 3 Lab ID: 2007D09-012	Matrix: SOIL	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 RAN	GE 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 RAN	IGE				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	mg/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					

#### Qualifiers:

- 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

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**Analytical Report** 

Lab Order 2007D09

Hall Environmental Analys	is Laboratory,	Inc.		770-02-00-00	Date Reported: 8/6/202	0							
CLIENT: Talon Artesia Project: Chimayo 16 St. 3 Lab ID: 2007D09-013	Matrix: SOIL	C)	lient Sample I) Collection Dat Received Dat	aple ID: BG-4 0' on Date: 7/23/2020 2:55:00 PM ed 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	29000	1500	mg/Kg	500	) 7/31/2020 2:01:25 PM	54068							
EPA METHOD 8015M/D: DIESEL RANG	SE 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 RAN	GE				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							
Xyle⊓es, 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.

Qualifiarer	•	Volue 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
- ethod Blank
- J Analyte detected below quantitation limits
- Sample pH Not In Range Р
- RL Reporting Limit

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Client:

## QC SUMMARY REPORT

Talon Artesia

#### Hall Environmental Analysis Laboratory, Inc.

Project:	Chimayo 1	6 St. 3											
Sample ID: ME	B-54063	SampT	/pe: m	blk	Tes	stCode: E	PA Method	1 300.0: Anior	5		<b>Constanting of the second s</b>		
Client ID: PE	s	Batch	ID: 54	063	RunNo: 70743								
Prep Date: 7	/30/2020	Analysis Da	ate: 7	/30/2020	;	SeqNo: 2	461854	Units: mg/P	٢g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Chloride		ND	1.5										
Sample ID: LC	S-54063	SampTy	pe: Ics	3	Tes	tCode: E	PA Method	300.0: Anion	S				
Client ID: LC	SS	Batch	ID: 54	063	F	RunNo: 7	0743						
Prep Date: 7/	/30/2020	Analysis Da	ate: 7/	30/2020	5	SeqNo: 2	461855	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	93.2	90	110					
Sample ID: MB	3-54068	SampTy	pe: ml	olk	Tes	(Code: E	PA Method	300.0; Anion	s	·····			
Client ID: PB	s	Batch	ID: 54	068	P	RunNo: 7	0745						
Prep Date: 7/	30/2020	An <mark>a</mark> lysis Da	ite: 7/	30/2020	5	GeqNo: 2	461989	Units: mg/K	g				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Chloride		ND	1.5										
Sample ID: LC:	S-54068	SampTy	pe: lcs	;	Tes	tCode: El	PA Method	300.0: Anion	S				
Client ID: LCSS Batch ID: 54068					RunNo: 70745								
Prep Date: 7/	3 <b>0/20</b> 20 A	Analysis Da	te: 7/	30/2020	S	SeqNo: 24	461990	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	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
  - Sample pH Not In Range
- RL Reporting Limit

Р

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WO#:

2007D09

06-Aug-20

## QC SUMMARY REPORT

#### Hall Environmental Analysis Laboratory, Inc.

WO#: 2007D09

06-Aug-20

Client: Talon /	Artesia										
Project: Chimay	yo 16 St. 3										
Sample ID: LCS-53998	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 53998	RunNo: 70650									
Prep Date: 7/28/2020	Analysis Date: 7/29/2020	SeqNo: 2461015	Units: mg/Kg								
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual								
Diesel Range Organics (DRO)	50 10 50.00	0 101 70	130								
Surr: DNOP	4.1 5.000	81.5 30.4	154								
Sample ID: MB-53998	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 53998	RunNo: 70650									
Prep Date: 7/28/2020	Analysis Date: 7/29/2020	SeqNo: 2461016	Units: mg/Kg								
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual								
Diesel Range Organics (DRO)	ND 10										
Motor Oil Range Organics (MRO)	ND 50										
Surr: DNOP	8.9 10.00	89.5 30.4	154								
Sample ID: LCS-54043	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 54043	RunNo: 70757									
Prep Date: 7/29/2020	Analysis Date: 7/30/2020	SeqNo: 2462544	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: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 54043	RunNo: 70757									
Prep Date: 7/29/2020	Analysis Date: 7/30/2020	SeqNo: 2462545	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:

- \* 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

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 Linst

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**Client:** 

WO#:

2007D09

06-Aug-20

## **QC SUMMARY REPORT**

Talon Artesia

#### Hall Environmental Analysis Laboratory, Inc.

**Project:** Chimayo 16 St. 3 Sample ID: mb-53975 TestCode: EPA Method 8015D: Gasoline Range SampType: MBLK Client ID: PBS Batch ID: 53975 RunNo: 70649 Prep Date: 7/27/2020 Analysis Date: 7/28/2020 SeqNo: 2458870 Units: mg/Kg RPDLimit Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD Qual Gasoline Range Organics (GRO) ND 5.0 Surr: BFB 105 870 1000 87.0 66.6 Sample ID: Ics-53975 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 53975 RunNo: 70649 Prep Date: 7/27/2020 Analysis Date: 7/28/2020 SeqNo: 2458871 Units: mg/Kg HighLimit %RPD RPDLimit Qual Analyte PQL SPK value SPK Ref Val %REC Result LowLimit Gasoline Range Organics (GRO) 72.5 106 19 5.025.00 0 77.7 Surr: BFB 950 1000 94.8 66.6 105 Sample ID: 2007d09-002ams TestCode: EPA Method 8015D: Gasoline Range SampType: MS RunNo: 70649 Client ID: S-2 0'R Batch ID: 53975 Prep Date: 7/27/2020 Analysis Date: 7/28/2020 SeqNo: 2458880 Units: mg/Kg PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte Result LowLimit Gasoline Range Organics (GRO) 22 4.9 24.73 n 88.3 61.3 114 950 66.6 105 Surr: BFB 989.1 95.7 Sample ID: 2007d09-002amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range Client ID: S-2 0'R Batch ID: 53975 RunNo: 70649 Prep Date: 7/27/2020 Analysis Date: 7/28/2020 SeqNo: 2458881 Units: mg/Kg %REC RPDLimit SPK value SPK Ref Val HighLimit %RPD Qual Analyte Result PQL LowLimit Gasoline Range Organics (GRO) 23 23.99 0 93.9 61.3 114 3.13 20 4.8 Surr: BFB 930 959,7 96.5 66.6 105 0 0

Qualifiers:

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

- Analyte detected in the associated Method Blank в
- Value above quantitation range E
- 1 Analyte detected below quantitation limits
- Р Sample of I Not In Range
- RI. Reporting Limit

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**Client:** 

**Project:** 

## QC SUMMARY REPORT

Talon Artesia

Chimayo 16 St. 3

#### Hall Environmental Analysis Laboratory, Inc.

				-	
	Result	PQL	SPK value	SPK Ref Val	
	0.92	0.023	0,9285	0	
	0,96	0.046	0.9285	0	
	0.99	0.046	0,9285	0	
	3.0	0.093	2.786	0	
luorobenzene	0.96		0.9285		

Qualifiers:

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

Holding times for preparation or analysis exceeded н

ND Not Detected at the Reporting Limit

Practical Quanitative Limit PQL

S % Recovery outside of range due to dilution or matrix в Analyte detected in the associated Method Blank

Value above quantitation range E Analyte detected below quantitation limits J

Sample pH Not In Range RL. Reporting Limit

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WO#:	2007D09
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06-Aug-20

										No. by the state of the state o					
Sample ID: mb-53975	BLK	Te	stCode: E	PA Method	8021B: Voia	atiles		dal 1474 (da manya mangang mang							
Client ID: PBS	Bate	ch ID: 53	975		RunNo: 7	0649									
Prep Date: 7/27/2020	Analysis	Date: 7	/28/2020		SeqNo: 2	458896	Units: mg/l	Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Benzene	ND	0.025													
Toluene	ND	0.050													
Ethylbenzene	ND	0.050													
Xylenes, Total	ND	0.10													
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120								
Sample ID: LCS-53975	Samp	Type: LC	s	TestCode: EPA Method 8021B: Volatiles											
Client ID: LCSS	Bato	h ID: 53	975	RunNo: 70649											
Prep Date: 7/27/2020	Analysis I	Date: 7/	28/2020	:	SeqNo: 2	458897	Units: mg/ł	۲g							
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-Bromolluorobenzene	1.0		1.000		102	80	120								
Sample ID: 2007d09-001ams	Samp	Гуре: МЗ	\$	Tes	tCode: El	PA Method	8021B: Vola	tiles							
Sample ID: 2007d09-001ams Client ID: S-1 0'R	Samp <sup>*</sup> Batc	Гуре: МS h ID: 53	; 975	Tes F	tCode: <b>El</b> RunNo: 70	PA Method 0649	8021B: Vola	tiles							
Sample ID: 2007d09-001ams Client ID: S-1 0'R Prep Date: 7/27/2020	Samp <sup>-1</sup> Batcl Analysis [	Гуре: МS h ID: 539 Date: 7/	5 975 28/2020	Tes F	tCode: EF RunNo: 70 SeqNo: 24	PA Method 0649 158905	8021B: Volat Units: mg/K	tiles (g							
Sample ID: 2007d09-001ams Client ID: S-1 0'R Prep Date: 7/27/2020 Analyte	Samp Batc Analysis [ Result	Гуре: МS h ID: 539 Date: 7/ PQL	3 975 28/2020 SPK value	Tes F SPK Ref Val	tCode: EF RunNo: 70 SeqNo: 24 %REC	PA Method 0649 158905 LowLimit	8021B: Vola Units: mg/K HighLimlt	tiles Kg %RPD	RPDLimit	Qual					
Sample ID: 2007d09-001ams Client ID: S-1 0'R Prep Date: 7/27/2020 Analyte Benzene	Samp Batcl Analysis E Result 0.93	fype: MS h ID: 539 Date: 7/ PQL 0.024	3 975 28/2020 <u>SPK value</u> 0.9524	Tes F S SPK Ref Val 0	tCode: EF RunNo: 70 SeqNo: 24 %REC 97.4	PA Method 0649 158905 LowLimit 78.5	8021B: Vola Units: mg/K HighLimlt 119	tiles Kg %RPD	RPDLimit	Qual					
Sample ID: 2007d09-001ams Client ID: S-1 0'R Prep Date: 7/27/2020 Analyte Benzene Toluene	Samp <sup>T</sup> Batc Analysis E Result 0.93 0.96	Fype: MS h ID: 539 Date: 7/ PQL 0.024 0.048	5 975 28/2020 SPK value 0.9524 0.9524	Tes F SPK Ref Val 0 0	tCode: EF RunNo: 70 SeqNo: 24 %REC 97.4 101	PA Method 0649 458905 LowLimit 78.5 75.7	8021B: Volar Units: mg/K HighLimit 119 123	tiles Kg %RPD	RPDLimit	Qual					
Sample ID: 2007d09-001ams Client ID: S-1 0'R Prep Date: 7/27/2020 Analyte Benzene Toluene Ethylbenzene	Samp <sup>T</sup> Batcl Analysis E Result 0.93 0.96 0.99	Fype: MS h ID: 539 Date: 7/ PQL 0.024 0.048 0.048	5 575 28/2020 SPK value 0.9524 0.9524 0.9524 0.9524	Tes F SPK Ref Val 0 0 0 0	tCode: EF RunNo: 70 SeqNo: 24 %REC 97.4 101 104	PA Method 0649 158905 LowLimit 78.5 75.7 74.3	8021B: Volar Units: mg/k HighLimlt 119 123 126	tiles Kg %RPD	RPDLimit	Qual					
Sample ID: 2007d09-001ams Client ID: S-1 0'R Prep Date: 7/27/2020 Analyte Benzene Toluene Ethylbenzene Xylenes, Total	Samp <sup>T</sup> Batc Analysis E Result 0.93 0.96 0.99 3.0	Fype: MS h ID: 539 Date: 7/ PQL 0.024 0.048 0.048 0.095	28/2020 28/2020 SPK value 0.9524 0.9524 0.9524 2.857	Tes F SPK Ref Val 0 0 0 0 0 0	tCode: EF RunNo: 70 SeqNo: 24 %REC 97.4 101 104 105	PA Method 0649 158905 LowLimit 78.5 75.7 74.3 72.9	8021B: Volar Units: mg/K HighLimit 119 123 126 130	tiles Kg %RPD	RPDLimit	Qual					
Sample ID: 2007d09-001ams Client ID: S-1 0'R Prep Date: 7/27/2020 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene	Samp <sup>7</sup> Batcl Analysis I 0.93 0.96 0.99 3.0 0.99	Fype: <b>MS</b> h ID: <b>53</b> Date: 7/. PQL 0.024 0.048 0.048 0.095	5 375 28/2020 SPK value 0.9524 0.9524 0.9524 2.857 0.9524	Tes F SPK Ref Val 0 0 0 0	tCode: EF RunNo: 70 SeqNo: 24 %REC 97.4 101 104 105 104	PA Method 0649 458905 LowLimit 78.5 75.7 74.3 72.9 80	8021B: Volat Units: mg/k HighLimlt 119 123 126 130 120	liles (g %RPD	RPDLimit	Qual					
Sample ID: 2007d09-001ams Client ID: S-1 0'R Prep Date: 7/27/2020 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2007d09-001amsc	Samp Batc Analysis E Result 0.93 0.96 0.99 3.0 0.99 3.0 0.99	Fype: MS h ID: 53 Date: 7/. PQL 0.024 0.048 0.048 0.095	5 775 28/2020 SPK value 0.9524 0.9524 0.9524 2.857 0.9524 D	Tes F SPK Ref Val 0 0 0 0 0 0 Tes	tCode: EF RunNo: 70 SeqNo: 20 %REC 97.4 101 104 105 104 Kode: EF	PA Method 0649 158905 LowLimit 78.5 75.7 74.3 72.9 80 PA Method	8021B: Volat Units: mg/K HighLimlt 119 123 126 130 120 8021B: Volat	tiles Kg %RPD illes	RPDLimit	Qual					
Sample ID: 2007d09-001ams Client ID: S-1 0'R Prep Date: 7/27/2020 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2007d09-001amsc Client ID: S-1 0'R	Samp <sup>¬</sup> Batcl Analysis I 0.93 0.96 0.99 3.0 0.99 3.0 0.99 I SampT Batcl	Fype: MS h ID: 539 Date: 7/. PQL 0.024 0.048 0.048 0.048 0.095	5 375 28/2020 SPK value 0.9524 0.9524 0.9524 2.857 0.9524 D 75	Tes F SPK Ref Val 0 0 0 0 Tes F	tCode: EF RunNo: 74 SeqNo: 24 %REC 97.4 101 104 105 104 tCode: EF tunNo: 70	PA Method 0649 458905 LowLimit 78.5 75.7 74.3 72.9 80 PA Method 0649	8021B: Volat Units: mg/k HighLimlt 119 123 126 130 120 8021B: Volat	liles Kg %RPD	RPDLimit	Qual					
Sample ID: 2007d09-001ams Client ID: S-1 0'R Prep Date: 7/27/2020 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2007d09-001amsc Client ID: S-1 0'R Prep Date: 7/27/2020	Samp Batc Analysis I Result 0.93 0.96 0.99 3.0 0.99 3.0 0.99 1 SampT Batch Analysis I	Fype: MS h ID: 539 Date: 7/. PQL 0.024 0.048 0.048 0.095 ype: MS h ID: 539 Date: 7/2	3 375 28/2020 SPK value 0.9524 0.9524 0.9524 2.857 0.9524 D 28/2020	Tes F SPK Ref Val 0 0 0 0 Tes F S	tCode: EF RunNo: 74 SeqNo: 24 97.4 101 104 105 104 105 104 Ecode: EF RunNo: 76 SeqNo: 24	PA Method 0649 458905 LowLimit 78.5 75.7 74.3 72.9 80 PA Method 0649 058906	8021B: Volat Units: mg/k HighLimlt 119 123 126 130 120 8021B: Volat	tiles Kg %RPD illes	RPDLimit	Qual					
Sample ID: 2007d09-001ams Client ID: S-1 0'R Prep Date: 7/27/2020 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2007d09-001amsc Client ID: S-1 0'R Prep Date: 7/27/2020 Analyte	Samp <sup>¬</sup> Batcl Analysis I Result 0.93 0.96 0.99 3.0 0.99 3.0 0.99 I SampT Batch Analysis I Result	Fype: MS h ID: 539 Date: 7/. PQL 0.024 0.048 0.048 0.048 0.095 ype: MS ype: MS pate: 7/2 PQL	5 375 28/2020 SPK value 0.9524 0.9524 2.857 0.9524 D 75 28/2020 SPK value	Tes F SPK Ref Val 0 0 0 Tes F SPK Ref Val	tCode: EF RunNo: 74 SeqNo: 24 97.4 101 104 105 104 ICode: EF RunNo: 76 eeqNo: 24 %REC	PA Method 0649 458905 LowLimit 78.5 75.7 74.3 72.9 80 PA Method 0649 058906 LowLimit	8021B: Vola Units: mg/k HighLimlt 119 123 126 130 120 8021B: Volat Units: mg/k HighLimit	tiles Kg %RPD illes	RPDLimit	Qual					
Sample ID: 2007d09-001ams Client ID: S-1 0'R Prep Date: 7/27/2020 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2007d09-001amsc Client ID: S-1 0'R Prep Date: 7/27/2020 Analyte Benzene	Samp <sup>¬</sup> Batcl Analysis I 0.93 0.96 0.99 3.0 0.99 3.0 0.99 1 SampT Batch Analysis I Result 0.92	Fype: MS h ID: 539 Date: 7/. PQL 0.024 0.048 0.048 0.048 0.095 Type: MS pype: MS pate: 7/2 PQL 0.023	5 375 28/2020 SPK value 0.9524 0.9524 2.857 0.9524 D 75 28/2020 SPK value 0.9285	Tes F SPK Ref Val 0 0 0 Tes F SPK Ref Val 0	Code: EF RunNo: 74 SeqNo: 24 97.4 101 104 105 104 Code: EF RunNo: 76 SeqNo: 24 %REC 99.0	PA Method 0649 458905 LowLimit 78.5 75.7 74.3 72.9 80 PA Method 0649 958906 LowLimit 78.5	8021B: Volat Units: mg/k HighLimit 119 123 126 130 120 8021B: Volat Units: mg/k HighLimit 119	tiles (g %RPD illes (g %RPD 0.930	RPDLimit RPDLimit 20	Qual					
Sample ID: 2007d09-001ams Client ID: S-1 0'R Prep Date: 7/27/2020 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: 2007d09-001amsc Client ID: S-1 0'R Prep Date: 7/27/2020 Analyte Benzene Toluene	Samp <sup>¬</sup> Batcl Analysis I 0.93 0.96 0.99 3.0 0.99 1 Samp <sup>¬</sup> Batcl Analysis I Result 0.92 0.96	Fype: MS h ID: 539 Date: 7/. PQL 0.024 0.048 0.048 0.095 ype: MS 0.095 ype: MS Date: 7/2 PQL 0.023 0.046	5 375 28/2020 SPK value 0.9524 0.9524 0.9524 2.857 0.9524 D 75 28/2020 SPK value 0.9285 0.9285	Tes F SPK Ref Val 0 0 0 Tes F SPK Ref Val 0 0	tCode: EF RunNo: 70 SeqNo: 24 97.4 101 104 105 104 tCode: EF tunNo: 70 seqNo: 24 %REC 99.0 103	PA Method 0649 458905 LowLimit 78.5 75.7 74.3 72.9 80 PA Method 0649 958906 LowLimit 78.5 75.7	8021B: Volat Units: mg/k HighLimit 119 123 126 130 120 8021B: Volat Units: mg/k HighLimit 119 123	tiles (g %RPD illes (g %RPD 0.930 0.429	RPDLimit RPDLimit 20 20	Qual					
Sample ID: 2007d09-001ams         Client ID: S-1 0'R         Prep Date: 7/27/2020         Analyte         Benzene         Toluene         Ethylbenzene         Xylenes, Total         Surr: 4-Bromofluorobenzene         Sample ID: 2007d09-001amsc         Client ID: S-1 0'R         Prep Date: 7/27/2020         Analyte         Benzene         Toluene         Ethylbenzene	Samp <sup>¬</sup> Batcl Analysis I 0.93 0.96 0.99 3.0 0.99 3.0 0.99 1 SampT Batch Analysis I Result 0.92 0.96 0.99	Fype: MS h ID: 539 Date: 7/. PQL 0.024 0.048 0.048 0.048 0.095 ype: MS 0.095 ype: MS pate: 7/2 PQL 0.023 0.046 0.046	<ul> <li>375</li> <li>28/2020</li> <li>SPK value</li> <li>0.9524</li> <li>0.9524</li> <li>0.9524</li> <li>2.857</li> <li>0.9524</li> <li>D</li> <li>775</li> <li>28/2020</li> <li>SPK value</li> <li>0.9285</li> <li>0.9285</li> <li>0.9285</li> <li>0.9285</li> <li>0.9285</li> <li>0.9285</li> </ul>	Tes F SPK Ref Val 0 0 0 Tes SPK Ref Val 0 0 0 0	tCode: EF RunNo: 74 97.4 101 104 105 104 tCode: EF RunNo: 70 ReqNo: 24 %REC 99.0 103 107	PA Method 0649 458905 LowLimit 78.5 75.7 74.3 72.9 80 PA Method 0649 958906 LowLimit 78.5 75.7 74.3	8021B: Volat Units: mg/k HighLimit 119 123 126 130 120 8021B: Volat Units: mg/k HighLimit 119 123 126	tiles (g %RPD illes (g %RPD 0.930 0.429 0.0559	RPDLimit RPDLimit 20 20 20	Qual					
Sample ID: 2007d09-001ams         Client ID: S-1 0'R         Prep Date: 7/27/2020         Analyte         Benzene         Toluene         Ethylbenzene         Xylenes, Total         Surr: 4-Bromofluorobenzene         Sample ID: 2007d09-001amsc         Client ID: S-1 0'R         Prep Date: 7/27/2020         Analyte         Benzene         Toluene         Ethylbenzene         Xylenes, Total	Samp <sup>¬</sup> Batcl Analysis I 0.93 0.96 0.99 3.0 0.99 3.0 0.99 1 Samp <sup>¬</sup> Batcl Analysis I Result 0.92 0.96 0.99 3.0	Fype: MS h ID: 539 Date: 7/. PQL 0.024 0.048 0.048 0.048 0.095 ype: MS 0.095 vype: MS Date: 7/2 PQL 0.023 0.046 0.046 0.093	<ul> <li>375</li> <li>28/2020</li> <li>SPK value</li> <li>0.9524</li> <li>0.9524</li> <li>0.9524</li> <li>2.857</li> <li>0.9524</li> <li>D</li> <li>375</li> <li>28/2020</li> <li>SPK value</li> <li>0.9285</li> <li>0.9285</li> <li>0.9285</li> <li>0.9285</li> <li>2.786</li> </ul>	Tes F SPK Ref Val 0 0 0 Tes SPK Ref Val 0 0 0 0 0 0 0	tCode: EF RunNo: 74 97.4 101 104 105 104 tCode: EF RunNo: 76 eqNo: 24 %REC 99.0 103 107 107	PA Method 0649 458905 LowLimit 78.5 75.7 74.3 72.9 80 PA Method 0649 065 065 0649 065 065 065 065 065 065 065 065	8021B: Volat Units: mg/k HighLimit 119 123 126 130 120 8021B: Volat Units: mg/k HighLimit 119 123 126 130	tiles (g %RPD illes (g %RPD 0.930 0.429 0.0559 1.04	RPDLimit RPDLimit 20 20 20 20 20	Qual					

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environm TEL: 505-345- Website: clier	ental Analy 491 Albuquero 3975 FAX: uts.hallenvi	osis Labo DI Hawk que, NM 505-342 ronment	nratory ins NE 87109 <b>Sa</b> 5-4107 al.com	Sample Log-In Check I						
Client Name: Talon Artesia	Work Order Nun	nber: 200	7D09		RcptN	lo: 1					
Received By: Juan Rojas	7/25/2020 7:50:00	AM		Guandy Guand	g						
Reviewed By: CM 7/25/	20	AW		7 2	7						
Chain of Custody 1. Is Chain of Custody complete? 2. How was the sample delivered?		Yes <u>Cou</u>	₩ <u>tier</u>	No 🗌	Not Present 🗌						
Log In 3. Was an attempt made to cool the sample	s?	Yes		No 🗆							
4, Were all samples received at a temperatu	ire of >0° C to 6.0°C	Yes		No 🗔	NA []						
<ol> <li>6. Sufficient sample volume for indicated tes</li> <li>7. Am complex (support 1/0A and 0NO) and</li> </ol>	t(s)?	Yes									
<ol> <li>Are samples (except VOA and ONG) prop</li> <li>8. Was preservative added to bottles?</li> </ol>	eny preserved?	Yes Yes		No 🗹	NA 🗌						
9. Received at least 1 vial with headspace < 10. Were any sample containers received bro	1/4" for AQ VOA? ken?	Yes Yes		No 🗌 No 🗹	NA 🗹						
11.Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes	V	No 🗔	bottles checked for pH:	12 unless noted)					
<ul> <li>12. Are matrices correctly identified on Chain (3. Is it clear what analyses were requested?)</li> <li>14. Were all holding times able to be met? (If no, notify customer for authorization.)</li> </ul>	of Custody?	Yes Yes Yes	V V V	No 🛄 No 🗍 No 🗍	Checked by:	5R.7125/20					
Special Handling (if applicable) 15. Was client notified of all discrepancies wit	h this order?	Yes		No 🗌							
Person Notified: By Whom: Regarding: Client Instructions: 16. Additional remarks:	Date	eMa	îi [] F	Phone 🗌 Fa	x [] In Person						
17. Cooler Information Cooler No. Tempses Condition 1 0.2 Good	Sealliftaci::: Seal No. :	Seal Da	6	Signed By	in the second se						

Page 1 of 1

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Chain-	Tum	-Around	Time:	4-DA	ι <del>γ</del>				-	<b>n</b> -	_	_										
Client:	<i>PE</i>	· · · · · · · · · · · · · · · · · · ·	ן אז [	tandard		l Puch	· · ·		 3333			łĄ	LL			/T	RO	N	ME	N7	ΓA	
			Proje	ect Nam	e:	I IXUSII	· ·			<b>8</b>	Þ	IN	AL		SI:	SI	_AI	80	R/	T	OF	2¥
Mailing Address:	12.0 1	Loren Arm	0.1	** * **		c. #	7					ww	<i>w</i> .ha	llen	viròn	men	ital.c	om				
np	<u>408 (4</u>	NIEXAS AVE	Proie	1MHY( ct #:		54	5		49	01 H	awk	ins l	NE -	- Alf	buqu	lerqu	ue, N	IM 87	7109			
Phone #: 576-	<u></u>	BULLO			2.40				T€	el. 50	)5-34	15-3	975		Fax	505	-345	-410	7			
email or Fax#:	1.16.0	148	Proie	00 (94)	<u>• 549</u>	-01					an a		4	unal	ysis I	Rec	jues	i T	iliza di Santa	insektoinj	historia	
QA/QC Package:																						
D Standard		Level 4 (Full Validation)	R.PONS				s (8(	N/C	S		SIM		04,			/Abs						
Accreditation:	🗆 Az Co	mpliance	Sampler: NICHAEL COLLER					MB'	DRC	82 F	÷	270		02, F			sent					
	I NELAC   Other  EDD (Type)									s/80	504.	or 8		Ž,		(¥	Pre					
∃ EDD (Type)	1	# of Coolers:					TBE	(GF	cide	odt	310	etals	NO3		<u>&gt;</u> -	E						
			100	er i emp	l(including;i	CF)] ()	3-0.1=0.2	N	15L	esti	<b>leth</b>	у 8;	8 M	3r, 1	/OA	Sem	olifo					
			Cont	ainer	Prese	rvative	HEAL No.	Х Ш	H:80	<u>т</u>	e B	Hst	RA	ц Ц	0 0	3) 0	alC					
Date Time I	Matrix	Sample Name	Туре	and #	Туре		7007009	B	ТР	80	<u></u>	ΡA	RC	3	826	827	Tot					
123/20 11:50 5	501L	5-1 0'R	GLAS	s l	ICE	2006	-001	$\bigvee$	$\checkmark$					$\checkmark$	·							
12:15		5-2 O'R		[		[	-002		]					١								
12:35		5-3 0'R					-003										1					
12:55		5-4 0'R					-004		Π													
1:20		5-5 0'B					-005								1							
1:40		5-6 0'R					-006															
2:00		5-7 0'R					7007								<u> </u>		<u>†</u>					
2:10		5-8 0'B					-008-													:		<b>†</b>
2:30		5-9 0'R					-007		1					T	-		<u> </u>					
2;40		B6-1 0					-010									1						
2:45	·	36-20'					-011								1		<b>†</b>					
2:50		BG-3 01					-012								1	Ì	1					
Date: Time: I	Relinquish	Palle-	Recei	vəd by: UMM	Via: NLJ	7	Date Time	Ren DI	nark ZEC	S: F BI	(L) T	้อ [ ริชม	)EUG	573	ENE	ER15	Y	J1	!	<u> </u>		L
Date: Time:	Relinquist	ned by:	Recei	ved by:	via:	**********	Date Time	<sup>47</sup>	ΠN	ε 1€	in t	- 13		-								
14/20 1900	UXU	MMMRD		m/	1 a	mente	v 7/25/20 7(50	(50) WO# 20836460 Pr- 1=7														
If necessary,	samples su	bmitted to Hall Environmental may be sub	contract	ad to other		bin i laboratori	V H25120 7(50) es. This serves as notice of this	ເມ s possi	Ø <sup>‡‡</sup> bility.	20 Any si	83 10-con	<b>∳⁴ (</b> tracte	<b>00</b> d data	will b	e clear	riy not	<b>PG</b> ated or	<u>n [c</u> πthe ar	<u>5FJ</u> nalytic	al repo	ort.	

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Client:	hain TALO	-of-Ci n cre	ustody Record	Turn-Around Time:						ł	-ia Nn	Ll Al	E	NN SI:	/II S L	20 .AI	NM 301	iep Za'	ITA Foi	l Ry
Mailing	Address	<sup>3:</sup> 408 1 LA 1	<u>U. TEXAS AUE</u> VM 88210	CHIMAYIC Project #:	<u>.</u> 16 St. <sup>⊄</sup>	3	æ	49 T	101 H	lawk	www. tinsi ( 45-3	w.ha NE - 975	llenv - Alt	/iròn buqu	men Ierqu	ital.co ie, N	om M 871	09		
Phone	#: <b>5</b> 75	- 746- 8	768	700794	349.01					0-0-	10-0	575	mah	reis	Bec	-343 11163	-4107			
<u>email o</u>	r Fax#:			Project Mana	ager:			$\widehat{\mathbf{a}}$					24					astrongi 	and the	
QA/QC	Package: Idard		Level 4 (Full Validation)	R.PONS				D/MRC	oCB's		SIMS		<sup>3</sup> 04, SC			/Absen				
Accred	itation: AC	□ Az Co □ Othe	ompliance r	Sampler: MICHAEL COLLER				0 / DR(	\$/8082	04.1)	or 8270		NO <sub>2</sub> , I		A)	<sup>o</sup> resent				
	) (Type)	Т		# of Coolers:	1		BE	(GR	ides	od 5(	310 c	stals	10 <sub>3</sub> ,		0	(j) E				
Date <sup>:</sup>	Time	Matrix	Sample Name	Cooler Temp Container Type and #	Preservative	3-0.1=0.2 HEAL No.	STEX / MT	FPH:8015D	3081 Pestic	EDB (Metho	PAHs by 83	₹CRA 8 Me	ci√F, Br, N	260 (VOA)	270 (Semi-	otal Colifor				
7/23/20	2:55	SOIL	BG-4 0'	GLASS 1	ICE/COOL	-013	1	V												
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Date:	Time:	Relinquist	led by:	L- Received by: Via: Date Time UMMMine 7/24/23 /190 Received by: Via: Date Time					s: BIL Ton	L T Y B	0 [ 4N	DEUG UM	on	ENE	- R.L.	! Y	<u> </u>			₽
Thethe	1/20/900 alumnings inf courier 7/25/20 7:50					$\omega$	o <sup>#</sup>	20	83	64	60					Ît	: 20	гĴ		

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	ysis Laboratory,	Inc.				Analytical Report Lab Order 2009393 Date Reported: 9/16/20	20
CLIENT: Talon Artesia		Cl	lient S	ample I	D: S-8	8 2'	
Project: Devon Energy Chimayo 16	St 3	(	Collec	tion Dat	e: 9/1	/2020 1:45:00 PM	
Lab ID: 2009393-001	Matrix: SOIL		Recei	ved Dat	e: 9/5	5/2020 7:45:00 AM	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analys	CAS
Chloride	3200	150		mg/Kg	50	9/14/2020 7:29:14 PM	55118
EPA METHOD 8015D MOD: GASOLI	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 RA	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

<b>Ovalifiers:</b>	+	Value exceeds Maximum Contaminant Level.	в
2	D	Sample Diluted Due to Matrix	E

- н Holding times for preparation or analysis exceeded Not Detected at the Reporting Limit
- ND
- PQI. Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix S
- Analyte detected in the associated Method Blank Value abovo quantitation range
- 1 Analyte detected below quantitation limits
- Sample pH Not In Range Reporting Limit
- .թ RL

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Hall E	nvironmental Analysis	s Laboratory,	Inc.				Analytical Report Lab Order 2009393 Date Reported: 9/16/20	20
CLIENT	: Talon Artesia		C	lient S:	ample I	D: S-8	8 4'	
Project:	Devon Energy Chimayo 16 St 3	3	(	Collect	tion Dat	e: 9/1	/2020 2:30:00 PM	
Lab ID:	2009393-002	Matrix: SOIL		Recei	ved Dat	e: 9/5	7/2020 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	HOD 8015D MOD: GASOLINE	RANGE					Analyst	JMR
Gasoline	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	HOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	BRM
Diesel R	ange Organics (DRO)	ND	9.9		mg/Kg	1	9/9/2020 11:41:19 AM	55017
Motor Oi	I Range Organics (MRO)	ND	49		mg/Kg	1	9/9/2020 11:41:19 AM	55017
Surr: I	ONOP	154	30.4-154	S	%Rec	1	9/9/2020 11:41:19 AM	55017

<b>Oualifiers</b> :	*	Value exceeds Maximum Contantinant 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	(	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
- P 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	Client Sample ID: S-8         6'           St 3         Collection Date: 9/2/2020 11:10:00 AM           Matrix: SOLL         Received Date: 9/5/2020 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: GASOL	INE 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.

Qualifiers:	•	Value exceeds Maximum Contaminant Lovel.	в	Analyte detected in the associated Method Blank
Quinnerer	D	Sample Diluted Due to Matrix	Е	Value above quantilation 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
- S % Recovery outside of range due to dilution or matrix
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis	Laboratory,	Inc.		14147-1- <sup>-</sup>	er ballander	Analytical Report Lab Order 2009393 Date Reported: 9/16/20	20
CLIENT: Talon ArtesiaProject: Devon Energy Chimayo 16 St 3Lab ID: 2009393-004	Client Sample ID: S-8         8'           imayo 16 St 3         Collection Date: 9/2/2020 12:30:00 PM           Matrix: SOIL         Received Date: 9/5/2020 7:45:00 AM						
Analyses	Result	RĹ	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	320	60		mg/Kg	20	9/13/2020 2:18:37 PM	55118
EPA METHOD 8015D MOD: GASOLINE F	ANGE					Analyst	: JMR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/9/2020 10:07:05 PM	54984
Surr: BFB	102	70-130		%Rec	1	9/9/2020 10:07:05 PM	54984
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS					Analyst	BRM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/9/2020 12:29:12 PM	55017
Motor Oil 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

Qualifiers	•	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the as
Quanters	Ð	Sample Diluted Due to Matrix	Е	Value above quantitation

- 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
- ssociated Method Blank
- i range
- J Analyte detected below quantitation limits
- Sample pH Not In Range р RL Reporting Limit

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Hall Environmental Analysis	Laboratory,	Inc.			Analytical Report Lab Order 2009393 Date Reported: 9/16/20	120	
CLIENT: Talon ArtesiaProject: Devon Energy Chimayo 16 St 3Lab ID: 2009393-005	C	Client Sample ID: S-5 2' Collection Date: 9/3/2020 12:00:00 PM Received Date: 9/5/2020 7:45:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analys	CAS	
Chloride	1200	59	mg/Kg	20	9/13/2020 2:31:01 PM	55118	
EPA METHOD 8015D MOD: GASOLINE R	ANGE				Analys	JMR	
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	9/10/2020 12:29:47 AM	54984	
Surr: BFB	101	70-130	%Rec	1	9/10/2020 12:29:47 AN	54984	
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analysi	: mb	
Diesel Range 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: DNOP	101	30.4-154	%Rec	1	9/14/2020 9:30:19 AM	55115	

Qualifiers:	+ D H ND POL	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 5 of 11
	PQL S	Practical Quanitative Limit % Recovery outside of range due to dilution or matrix	RL	Reporting Limit	Page 5 01 11

Diesel Range Organics (DRO)

Surr: DNOP

Motor Oil Range Organics (MRO)

Hall Environmental	Analysis Laboratory,	Inc.			Analytical Report Lab Order 2009393 Date Reported: 9/16/20	)2()
CLIENT: Talon Artesia Project: Devon Energy Chin Lab ID: 2009393-006	nayo 16 St 3 Matrix: SOIL	Clia C	ent Sample I) ollection Dat Received Dat	D: S-: e: 9/3 e: 9/5	5 Trench 2' 3/2020 12:45:00 PM 5/2020 7:45:00 AM	
Analyses	Result	RL (	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS Chloride	<b>3</b> 90	60	mg/Kg	20	Analys 9/13/2020 2:43:26 PM	t: CAS 55118
EPA METHOD 8015D MOD: G	ASOLINE RANGE				Analys	t: JMR
Gasoline Range Organics (GRO Surr: BFB	) ND 99.6	5.0 70-130	mg/Kg %Rec	1 1	9/10/2020 12:58:19 AM 9/10/2020 12:58:19 AM	1 54984 1 54984
EPA METHOD 8015M/D: DIES	EL RANGE ORGANICS				Analys	t: BRM

ND

ND

120

9.5

47

30.4-154

mg/Kg 1

mg/Kg 1

1

%Rec

9/9/2020 1:46:39 PM

9/9/2020 1:46:39 PM

9/9/2020 1:46:39 PM

55017

55017

55017

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

Qualifiers:	•	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank		
2 minuter of	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	Sanple pH Not In Range	Dogo 6 of 11	
	PQL	Practical Quanitative Limit	RL	Reporting Linut	rage 0 01 11	
	S	% Recovery outside of range due to dilution or matrix				
Hall Environmental Analysi	s Laboratory,	Inc.		<u>a doubie do para</u>	Analytical Report Lab Order 2009393 Date Reported: 9/16/20	)20
--	-------------------	----------	---	---------------------------	--	--------
CLIENT:Talon ArtesiaProject:Devon Energy Chimayo 16 StLab ID:2009393-007	3 Matrix: SOIL	CI	lient Sample II Collection Dat Received Dat	D: BC e: 9/1 e: 9/5	G-3 1' /2020 1:00:00 PM 5/2020 7:45:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: CAS
Chloride	980	60	mg/Kg	20	9/13/2020 2:55:50 PM	55118
EPA METHOD 8015D MOD: GASOLINE	RANGE				Analys	t: JMR
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/10/2020 1:26:51 AM	54984
Surr: BFB	100	70-130	%Rec	1	9/10/2020 1:26:51 AM	54984
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst	: BRM
Diesel Range Organics (DRO)	12	8,9	mg/Kg	1	9/9/2020 2:10:43 PM	55017
Motor Oll Range Organics (MRO)	ND	45	mg/Kg	1	9/9/2020 2:10:43 PM	55017
Surr: DNOP	102	30.4-154	%Rec	1	9/9/2020 2:10:43 PM	55017

Onalifiana	•	Value exceeds Maximum Contaminant Lovel	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	Dage 7 of 11
	PQ1/	Practical Quanitative Limit	RL	Reporting Limit	Page / 01 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

QC SUN Hall Env	QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.									
Client: Project:	Talon A Devon	Artesia Energy Chimayo 16 St 3			■ *					
Sample ID: M	B-55118	SampType: mblk	TestCode: EPA Method 300.0: Anions							
Client ID: PE	BS	Batch ID: 55118	RunNo: 71822							

SPK value SPK Ref Val %REC LowLimit

PQL 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

Units: mg/Kg

110

HighLimit

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

1.5

15.00

Result

Result

14

ND

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
- RI. Reporting Linui

Page 8 of 11

# QC SUMMARY REPORT

### Hall Environmental Analysis Laboratory, Inc.

WO#: 2009393

16-Sep-20

Client:Talon AProject:Devon I	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 0.5 10.00 05.4 30.4 154
	9.5 10.00 90.4 104
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) Surr: DNOP	45         10         50.00         0         90.5         70         130           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

**Client:** 

# QC SUMMARY REPORT

Talon Artesia

 	 	 *****

- Qualifiers:
- 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

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

Page 11 of 11

Sample ID: Ics-54984	Samp	Type: L	CS	Tes	tCode: E	PA Method	8015D Mod:	Gasoline	Range	
Client ID: LCSS	Bat	ch ID; 54	1984	ſ	RunNo: 7	1719			-	
Prep Date: 9/6/2020	Analysis	Date: 9	/9/2020	ç	SegNo: 2	508976	Units: mg/H	۲g		
Analyte	Result	POL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	- %RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	84.3	70	130			
Surr: BFB	500		500.0		99.4	70	130			
Sample ID: mb-54984	Samp	Туре: М	BLK	Tes	tCode: El	PA Method	8015D Mod:	Gasoline	Range	
Client ID: PBS	Bato	h ID: 54	984	F	RunNo: 7	1719				
Prep Date: 9/6/2020	Analysis I	Date: 9/	/9/2020	5	SeqNo: 2	508977	Units: mg/H	۶g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	500		500.0		101	70	130			
Sample ID: 2009393-002ams	s Samp	Гуре: М	3	Tes	Code: EF	PA Method	8015D Mod:	Gasoline	Range	
Client ID: S-8 4'	Batc	h ID: 54	984	R	unNo: 7	1719				
Prep Date: 9/6/2020	Analysis [	Date: 9/	9/2020	S	eqNo: 2	508993	Units: mg/K	ig		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
asoline Range Organics (GRO)	20	5.0	24.83	0	81.6	49.2	122			
Surr: BFB	500		496.5		101	70	130			
Sample ID: 2009393-002ams	d Samp	ype: MS	SD	Test	Code: EF	PA Method	8015D Mod:	Gasoline I	Range	
Client ID: S-8 4'	Batc	h ID: 54	984	R	unNo: 71	1719				
Prep Date: 9/6/2020	Analysis E	)ate: <b>9</b> /	9/2020	S	eqNo: 25	508994	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
asoline Range 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.

WO#: 2009393

16-Sep-20

HALL ENVII ANAL LABO	RONMEN YSIS RATORY	TAL	Hi Ti	all Environ EL: 505-34. Vebsite: cli	mental Ana, 19 Albuquei 5-3975 FAA ents.hallerry	lysis L 201 (Ia rque, N 1: 505- rironni	aboratory wkins NE VM 87109 345-4107 ental.com	Sa	mple Log-In C	heck List	
Client Name:	Talon Arl	esia	Wor	k Order Nu	umber: 20	09393	•		RcptNo	1	
Received By:	Juan Ro	jas	9/5/20	20 7:45:00	AM		<i>1-</i> Ju	und f	2 ···		
Completed By:	Juan Ro	ias	9/5/20:	20 8:06:14	AM		414	weight	L		
Reviewed By:	JE 91	15/20									
<u>Chain of Cus</u>	<u>stody</u>	r									
1. Is Chain of C	ustody com	plete?			Yes	s 🔽	N	lo 🗌	Not Present		
2. How was the	sample deli	vered?			Cou	liner					
<u>Log In</u> 3. Was an atterr	npt made to	cool the samp	les?		Yes		N	o []			
4, Were a∥ sam	oles receive	d at a tempera	iture of >0° C	io 6.0°C	Yes		N	• 🗋	NA 🗌		
5. Sample(s) in (	proper conta	ainer(s)?			Yes	$\mathbf{V}$	N	•			
6, Sufficient sam	ple volume	for indicated te	est(s)?		Yes		No				
7. Are samples (	except VOA	and ONG) pro	operly preserve	ed?	Yes	$\checkmark$	No				
8. Was preserval	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 V	(OA?	Yes	Π	No		NA 🗹		
10. Were any sam	ple contain	ers received b	roken?		Yes		No				
11. Does paperwo (Note discrepa	rk match bo incies on ch	Ittle labels? ain of custody	•		Yes	V	No		# of preserved bottles checked for pH: {<2 or :	≥12 unless noted)	
12. Are matrices c	orrectly ider	tified on Chair	n of Custody?		Yes	V	No		Adjusted?	· · · ·	
13. Is it clear what	analyses w	ere requested	?		Yes	$\checkmark$	No	$\Box$		and the second second	
14. Were all holdin (If no, notify cu	ng times abli istomer for a	e to be met? authorization.)			Yes		No	(_)	Checked by: S	PA 7.5	ςC
<u>Special Handli</u>	ng (if app	olicable)									
15, Was client not	ified of all d	iscrepancies v	ilh this order?		Yes		Na		NA 🔽		
Person	Notified:			Date	e <b>F</b>	andular (gr					
By Who	m:			Via:	eMa	ail []	] Phone [	] Fax	🗍 In Person		
Regardir	ng:			(Million and Benchman and Schuller State			ta increasion and an and an and an		***************************************		
Client In	structions:	<u> </u>							40 - 22 - 24 - 24 - 24 - 24 - 24 - 24 -		
16. Additional rem	narks:										
17. Cooler Inform	nation	MINE was to serve the	te de la composition	. A Career -	<b>.</b>			,	,		
Cooler No	Temp °C	Good	Seal Intact	Seal No	Seal Di	ate	Signed	By			
2	1.3	Good									
<b>4</b>		an dan a dina ang kina pang pang pang pang bahan i			·	,	kan da sa	1000 10 A	1		

Page 1 of 1

(Ĉ Client: Mailing	hain Talc Address	-01-Ci h/L :: ch	Istody I FE	Record	Turn-Around Standard Project Nam	nd Time: 4-day Ind Ind Rush HALL ENVIRO Ind Rush ANALYSIS LAI Www.hallenvironmental.c					LO AE tal.co	NN 30 0m M 87	ЛЕ: RA	NT .TC	al DR	a 1977 19							
					Project #/					T	el. 5(	05-3	45-3	975	/ 55 I	Fax	505-	345.	-410	7			
Phone	<u>#</u> :				700794	349.01				56-92						ae	Real	vai				i kir	484
email o	r Fax#:				Project Mana	ager:			1	6		-			Ō	1223030	10:4101 <u>7-</u> 1	it) Z	3072925	22000		<u></u>	1975-44
QA/QC	Package:								302	MR	B's		NS		Ū Ū			lesc					
🗌 🗆 Stan	idard		🗆 Level 4 (	Full Validation)	R Pon				s's	0	PC		USC		0 d			It/AL					
	itation:		mpliance		Sampler: B	Sinclair			TMB [	/ DF	082	Ę	827(		lO <sub>2</sub> ,			eser		ļ			
					On Ice:	_⊒ Yes	🗆 No			RO	es/8	504	.ĩ0	S	3, N		(AC	(Pre					
	(19pc)		<u> </u>		Cooler Tem	Vincluding (CE)	Carl Lat	<u> </u>	TB	D(G	icid	por	33-1C	leta	N N	()	1-V	E					
Date	Time	Matrix	Sample N	ame	Container Type and #	Preservative Type	1.9-6. HEA	1:5 1:1.3 1:No. 2/13	BTEX / N	(PH)8015	3081 Pest	EDB (Met	AHs by 8	RCRA 8 N	3J)F, Br,	260 (VO/	270 (Sen	otal Colif					
9-1	13:45	50:1	5-8 2	Andria Histor	402:00	:10-	- [.	<u> </u>							7								
9-1	14.30		5-8 4	P Linesana con	1.0.5.121			<u>ut</u>		V /					<u>v 1</u> /								
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<u>7-3</u>	14.00		5-52	1 1				<u>105</u>		V,													
<u> </u>	<u>12:45</u>		5-5 11	reach 2					<u> </u>	V													
4-1	13:00		86-31	-		\$ 2		<u>10-7</u>							J.c.								
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9/4/20	1700		eo by: UNNILA	10	Rečeiveč by:	Via: 0- X (OCINGRY	Date - <u>9/1</u> 70	Time チンイグ	Bi	[[	<b>s</b> ] i(	r e i	ŕ	lγ	ź	9	Ø e	2 V C	s in				
	lf necessary	, samples sul	omitted to Hell Env	ironmental may be sub	contracted to other a	ccredited laboratori	es. This serves	as notice of thi	s possi	bility.	Any su	b-con	tracled	i data 1	will be	clearl	y notat	ed on '	the and	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

9/19/2020 12:43:17 PM 55271

Hall Ei	nvironmental Analy	ysis Laboratory,	Inc.			Analytical Report Lab Order 2009A94 Date Reported: 9/28/20	20			
CLIENT: Project: Lab ID:	Talon Artesia Chimayo 16 ST.3 2009A94-001	Matrix: SOIL	Client Sample ID: BG-5 0'           Collection Date: 9/16/2020 10:00:00           Matrix: SOIL         Received Date: 9/18/2020 8:00:00 A							
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA MET	HOD 300.0: ANIONS					Analyst	: JMT			
Chloride		7600	300	mg/Kg	100	9/25/2020 8:39:32 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 1:37:43 PM	55280			
Surr: E	BFB	105	70-130	%Rec	1	9/21/2020 1:37:43 PM	55280			
EPA MET	HOD 8015M/D: DIESEL RAI	NGE ORGANICS				Analyst	: mb			
Diesel Ra	ange Organics (DRO)	ND	9.9	mg/Kg	1	9/19/2020 12:43:17 PM	55271			
Motor Oil	Range Organics (MRO)	90	49	mg/Kg	1	9/19/2020 12:43:17 PM	55271			
Surr: D	NOP	103	30.4-154	%Rec	1	9/19/2020 12:43:17 PM	55271			

Qualifiers:	•	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank	
	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	P	Sample pH Not in Range	Dess 1 sf 14
	PQL	Practical Quanitative Limit	RL	Reporting Linut	Page 1 of 14
	s	% Recovery outside of range due to dilution or matrix			

Motor Oil Range Organics (MRO)

Surr: DNOP

Hall Environmental Anal	ysis Laboratory,	Inc.			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	Cli	ient Sample II Collection Dat Received Dat	D: BC e: 9/1 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 Chloride	490	59	mg/Kg	20	Analyst 9/24/2020 5:06:29 PM	<b>CAS</b> 55410
EPA METHOD 8015D MOD: GASOL	INE RANGE				Analyst	DJF
Gasoline Range Organics (GRO) Surr: BFB	ND 97.5	5.0 70-130	mg/Kg %Rec	1 1	9/21/2020 2:06:11 PM 9/21/2020 2:06:11 PM	55280 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

6

		1.1.7.1			toontootoo a
<b>Oualifiers</b> :	•	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method Blank	
<b>Z</b>	D	Sample Diluted Due to Matrix	E	Value above quantitation range	
	н	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	Dage 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 E	nvironmental Analy	vsis Laboratory,	Inc.	200,000		Analytical Report Lab Order 2009A94 Date Reported: 9/28/20	)20
CLIENT	: Talon Artesia		C	lient Sample I	D:B(	G-7 0'	
Project:	Chimayo 16 ST.3	3 Collection Date: 9/16/2020 11:40:					
Lab ID:	2009A94-003	Matrix: SOLL		Received Dat	te: 9/1	8/2020 8:00:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA ME	THOD 300.0: ANIONS					Analys	t: CAS
Chloride		ND	60	mg/Kg	20	9/24/2020 5:18:53 PM	55410
EPA MET	THOD 8015D MOD: GASOLI	NE RANGE				Analys	t DJF
Gasoline	Range Organics (GRO)	ND	4.9	mg/Kg	1	9/21/2020 2:34:48 PM	55280
Surr: I	BFB	106	70-130	%Rec	1	9/21/2020 2:34:48 PM	55280
EPA MET	HOD 8015M/D: DIESEL RAI	NGE ORGANICS				Analyst	: mb
Diesel R	ange Organics (DRO)	ND	9.6	mg/Kg	1	9/19/2020 1:02:51 PM	55271
Motor Oi	I Range Organics (MRO)	ND	48	mg/Kg	1	9/19/2020 1:02:51 PM	55271
Surr: L	ONOP	99.3	30.4-154	%Rec	1	9/19/2020 1:02:51 PM	55271

Ouglifiers:	•	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 Limit	P	Sample pH Not In Range	Dece 2 of 14
	PQL	Practical Quanitative Linut	RL	Reporting Limit	Fage 5 01 14
	S	% Recovery outside of range due to dilution or matrix			

Hall E	Inc.		ne stille- united	Analytical Report Lab Order 2009A94 Date Reported: 9/28/20	)20		
CLIENT:	Talon Artesia		C	lient Sample I	D:S-	4A 2'R	
Project:	Chimayo 16 ST.3		Collection Date: 9/16/2020 10:30:00 AN				
Lab ID:	2009A94-004	Matrix: SOIL		<b>Received</b> Dat	e: 9/	18/2020 8:00:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
ЕРА МЕТ	HOD 300.0: ANIONS					Analysi	t: 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

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.

<b>Oualifiers</b> :	٠	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
•	Ð	Sample Diluted Duc to Matrix	E	Value above quantitation range
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits

- 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

	۰. ۱				Analytical Report	
	. •	т			Lab Order 2009A94	
Han Environmental Analy	ysis Laboratory,	Inc.			Date Reported: 9/28/20	20
CLIENT: Talon Artesia		Cl	ient Sample II	D: S-	6A 1.5'R	
Project: Chimayo 16 ST.3		Collection Date: 9/16/2020 11:10:00 AM				
Lab ID: 2009A94-005	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 9/1	8/2020 8:00:00 AM	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	CAS
Chloride	1500	60	mg/Kg	20	9/24/2020 5:43:43 PM	55410
EPA METHOD 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: BFB	104	70-130	%Rec	1	9/21/2020 3:31:48 PM	55280
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst	mb
Dlesel Range 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: DNOP	92.1	30.4-154	%Rec	1	9/19/2020 1:22:28 PM	55271

<b>Oualifiers</b> :	•	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	Dens 6 - 614
	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

CLIENT: Talon Artesia		Client Sample ID: S-10 1.5-2'R Collection Date: 9/16/2020 11:00:00 AM							
Project: Chimayo 16 ST.3									
Lab ID: 2009A94-006	Matrix: SOIL		Received Dat	te: 9/	18/2020 8:00:00 AM				
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst	CAS			
Chloride	2400	60	mg/Kg	20	9/24/2020 6:20:56 PM	55410			
EPA METHOD 8015D MOD: GASOL	INE RANGE				Analyst:	DJF			
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/21/2020 4:00:18 PM	55280			
Surr: BFB	102	70-130	%Rec	1	9/21/2020 4:00:18 PM	55280			
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst:	mb			
Diesel Range Organics (DRO)	62	9.9	mg/Kg	1	9/19/2020 1:32:26 PM	55271			
Motor Oil Range Organics (MRO)	350	49	mg/Kg	1	9/19/2020 1:32:26 PM	55271			
Surr: DNOP	93.2	30.4-154	%Rec	1	9/19/2020 1:32:26 PM	55271			

<b>Oualifiers:</b>	+	Value exceeds Maximum Contaminant Level.	B	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	Dogo 6 of 14
	PQL	Practical Quanitative Limit	RL	Reporting Limit	Page 0 01 14
	S	% Recovery outside of range due to dilution or matrix			

<b>Analytical Report</b>
Lab Order 2009A94
Date Reported: 9/28/2020

#### Hall Environmental Analysis Laboratory, Inc. **CLIENT:** Talon Artesia Client Sample ID: S-11 4'R **Project:** Chimayo 16 ST.3 Collection Date: 9/16/2020 10:40:00 AM Lab ID: 2009A94-007 Received Date: 9/18/2020 8:00:00 AM Matrix: SOIL 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: GASOLINE RANGE Analyst: DJF Gasoline Range Organics (GRO) ND 4.9 mg/Kg 1 9/21/2020 4:28:47 PM 55280 Surr: BFB 9/21/2020 4:28:47 PM 55280 99.4 70-130 %Rec 1 EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst: mb Diesel Range Organics (DRO) ND 9.6 9/19/2020 1:42:23 PM 55271 mg/Kg 1 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

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

D     Sample Diluted Due to Matrix     E     Value above quantitation range       II     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       PD     Restled Question is init.     PI     Responding Limit	
II     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       PD     Bottle development in the limit     P     Sample pH Not In Range	
ND Not Detected at the Reporting Limit P Sample pH Not In Range Page	
POL Desition Limit Plage	-£1
r Que l'hactical Qualmanive faijlat de la Reporting Linda -	01.14
S % Recovery outside of range due to dilution or matrix	

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Hall Environmental Analysis Laboratory, Inc.				17 17 18 18 18 18 18 18 18 18 18 18 18 18 18		Analytical Report Lab Order 2009A94 Date Reported: 9/28/20	20
CLIENT:	Talon Artesia		Cl	ient Sample II	D: S-	12 2'R	**************************************
Project:	: Chimayo 16 ST.3 Collection Date: 9/16/2020 10:20:00					6/2020 10:20:00 AM	
Lab ID:	2009A94-008	Matrix: SOIL		Received Dat	e: 9/1	8/2020 8:00:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst	CAS
Chloride		910	60	mg/Kg	20	9/24/2020 6:45:45 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 4:57:19 PM	55280
Surr: E	BFB	101	70-130	%Rec	1	9/21/2020 4:57:19 PM	55280
EPA MET	HOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst	: mb
Diesel Ra	ange Organics (DRO)	12	9.5	mg/Kg	1	9/19/2020 1:52:18 PM	55271
Motor Oil	Range Organics (MRO)	ND	47	mg/Kg	1	9/19/2020 1:52:18 PM	55271
Surr: D	NOP	100	30.4-154	%Rec	1	9/19/2020 1:52:18 PM	55271

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

Hall Environmental Analy	Inc.		municipation (201	Analytical Report Lab Order 2009A94 Date Reported: 9/28/20	20		
CLIENT: Talon Artesia		Cl	ient Sample II	<b>D:</b> S-1	6 1.5-2'R		
Project:         Chimayo 16 ST.3           Lab ID:         2009A94-009	Matrix: SOIL	Collection Date: 9/16/2020 12:00:00 PM           Matrix: SOIL         Received Date: 9/18/2020 8:00:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch	
EPA METHOD 300.0: ANIONS					Analyst	: JMT	
Chloride	7100	300	mg/Kg	100	9/25/2020 9:28:55 PM	55410	
EPA METHOD 8015D MOD: GASOLIN	E RANGE				Analyst	DJF	
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/21/2020 5:25:50 PM	55280	
Surr: BFB	106	70-130	%Rec	1	9/21/2020 5:25:50 PM	55280	
EPA METHOD 8015M/D: DIESEL RAN	IGE ORGANICS				Analyst	mb	
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	9/19/2020 2:02:13 PM	55271	
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	9/19/2020 2:02:13 PM	55271	
Surr: 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	4			
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	Dece 0 of 14			
	PQL.	Practical Quanitative Limit	RL	Reporting Limit	Page 9 of 14			
	S	% Recovery outside of range due to dilution or matrix						

Hall Environmental Analy	ysis Laboratory,	Inc.	Analytical Report Lab Order 2009A94 Date Reported: 9/28/2020						
CLIENT: Talon Artesia Project: Chimayo 16 ST.3 Lab ID: 2009A94-010	Matrix: SOIL	C	7 1.5-2'R 6/2020 11:50:00 AM 8/2020 8:00:00 AM						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch			
EPA METHOD 300.0: ANIONS					Analyst	: JMT			
Chloride	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			

······					
<b>Onalifiers</b> :	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	t	Analyte detected below quantitation limits	
	ND	Not Detected at the Reporting Limit	Р	Sample pH Not In Range	Dece 10 = £14
	PQL.	Practical Quanitative Linut	RL	Reporting Limit	Page 10 01 14
	S	% Recovery outside of range due to dilution or matrix			

Hall Environmental Anal	ysis Laboratory,	Inc.			Analytical Report Lab Order 2009A94 Date Reported: 9/28/20	20		
CLIENT: Talon Artesia Project: Chimayo 16 ST.3 Lab ID: 2009A94-011	Matrix: SOIL	C	Client Sample ID: S-18 1.5'R Collection Date: 9/16/2020 11:30:00 AM Received Date: 9/18/2020 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: GASOL	INE 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		

<b>Oualifiers:</b>	٠	Value exceeds Maximum Contaminant Level.	В	Analyte detected in the associated Method Blank			
<b>~</b>	D	Sample Diluted Due to Matrix	E	Value above quantitation range			
	н	Holding times for preparation or analysis exceeded	J	J Analyte detected below quantitation limits			
	ND Not Detected at the Reporting Limit FQL Practical Quanitative Limit		ч	Sample pH Not In Range	Des. 11 - €14		
			RL Reporting Limit		Page 11 01 14		
	S	% Recovery outside of range due to dilution or matrix					

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2009A94

28-Sep-20 -

Client:	Talon A	artesia								
Project:	Chimay	o 16 ST.3								
Sample ID	MB-55410	SampType:	mblk	Te	stCode: EPA	Method	300.0: Anion	s		
Client ID:	PBS	Batch ID:	55410		RunNo: 7214	43				
Prep Date:	9/23/2020	Analysis Date:	9/24/2020	;	SeqNo: 252	8909	Units: mg/K	g		
Analyte		Result PC	QL SPK value	SPK Ref Vał	%REC L	.owLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5							
Sample ID:	LCS-55410	SampType:	lcs	Tes	ICode: EPA	Method	300.0: Anion	5		
Client ID:	LCSS	Batch ID:	55410	F	RunNo: 7214	43				
Prep Date:	9/23/2020	Analysis Date:	9/24/2020	\$	SeqNo: 2528	B910	Units: mg/K	g		
Analyte		Result PG	L SPK value	SPK Ref Val	%REC L	.owLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5 15.00	0	94.7	90	110			
Sample ID:	MB-55409	SampType:	mblk	Tes	tCode: EPA	Method :	300.0: Anions	3		
Client ID:	PBS	Batch ID:	55409	F	RunNo: 7214	18				
Prep Date:	9/23/2020	Analysis Date:	9/24/2020	S	eqNo: 2529	9059	Units: mg/K	9		
Analyte		Result PQ	L SPK value	SPK Ref Val	%REC Lo	owLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1	.5							
Sample ID:	LCS-55409	SampType:	lcs	Tes	tCode: EPA	Method 3	300.0: Anions	;		
Client ID:	LCSS	Batch ID:	55409	F	unNo: 7214	8				
Prep Date:	9/23/2020	Analysis Date:	9/24/2020	S	eqNo: 2529	060	Units: mg/Kg	3		
Analyte		Result PQ	L SPK value	SPK Ref Val	%REC Lo	owLimit	HighLimit	%RPD	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: Chima	Artesia iyo 16 ST.3										
Sample ID: LCS-55271	Samp	Type: LO	CS	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics		
Client ID: LCSS	Bato	Batch ID: 55271			RunNo: 71994						
Prep Date: 9/18/2020	Analysis I	Date: 9	/19/2020	Ş	SeqNo: 2	520477	Units: mg/l	۲g			
Analyte	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	Samp	Гуре: МІ	BLK	TestCode: EPA Method 8015M/D: Diesel Range Organics					****		
Client ID: PBS	Batc	h ID: 55	271	F	RunNo: 7	1994					
Prep Date: 9/18/2020	Analysis [	Date: 9/	19/2020	5	SeqNo: 2	520482	Units: mg/H	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	ND	10									
Molor 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
- н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit ND
- PQL Practical Quanitative Linit
- % 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
- Р RL Reporting Limit

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# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

WO#: 2009A94

28-Sep-20

Client: Talor Project: Chim	ayo 16 ST.3								
Sample ID: mb-55280	SampType:	MBLK	Tes	tCode: EF	PA Method	8015D Mod:	Gasoline	Range	
Client ID: PBS	Batch ID:	55280	F	RunNo: 7	1999				
Prep Date: 9/19/2020	Analysis Date:	9/20/2020	S	SeqNo: 2	521020	Units: mg/ł	۲g		
Analyte	Result PC	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND §	5.0							
Surr: BFB	520	500.0		104	70	130			
Sample ID: Ics-55280	SampType:	LCS	Test	Code: EF	A Method	8015D Mod:	Gasoline I	Range	
Client ID: LCSS	Batch ID:	55280	R	lunNo: 71	9 <b>99</b>				
Prep Date: 9/19/2020	Analysis Date:	9/20/2020	S	eqNo: 25	21021	Units: mg/M	ģ		
Analyte	Result PQ	L 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:

- . 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
- % 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 7:19:41 AM

HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environn TEL: 505-345 Website: cliet	nental Analysis Labo 4901 Hawki Albuquerque, NM 3975 FAX: 505-345 us.hallenvironmenta	ratory ins NE 87109 <b>Sar</b> -4107 th.com	nple Log-In Check List	
Client Name: Talon Artesia	Work Order Nur	nber. 2009A94		ReptNo: 1	100
Received By: Cheyenne Cason	9/18/2020 8:00:00	AM	1 June & the		
Reviewed By: CPZ	9/18/2020 8:54:04 4/18/27	АМ	Format		
Chain of Custody					
1. Is Chain of Custody complete?		Yes 🔽	No 🗌	Not Present	
2. How was the sample delivered?		Courier			
Log In 3. Was an attempt made to cool the sample	257	Yes 🗹	No 🗌		
4. Were all samples received at a temperatu	ire of >0° C to 6.0°C	Yes 🔽	No 🗌		
5. Sample(s) in proper container(s)?		Yes 🖌	No 🗌		
6. Sufficient sample volume for indicated tes	t(s)?	Yes 🔽	No 🗍		
7. Are samples (except VOA and ONG) prop	enty preserved?	Yes 🗹	No 🗌		
8. Was preservative added to bottles?		Yes	No 🗹	NA []]	
9. Received at least 1 vial with headspace <	I/4" for AQ VOA?	Yes	No 🗌	NA 🗹	
10, Were any sample containers received bro	ken?	Yes	No 🗹	# of preserved	
11. 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	of Custody?	Yes 🗹	No 🗌	Adjusted?	-
13. Is it clear what analyses were requested?		Yes 🗹	No 🗋		
<ol> <li>Were all holding times able to be met? (If no, notify customer for authorization.)</li> </ol>		Yes 🗹	No 📋	Checked by: CM 9187	<b>沙</b>
Special Handling (if applicable)					
15. Was client notified of all discrepancies with	n this order?	Yes 🗍	No 🗌	NA 🗹	
Person Notified:	Date	j .			
By Whom:	Via:	🗌 eMail 📋 Ph	ione 🗌 Fax 🛛	In Person	
Regarding:					
		· · · · · · · · · · · · · · · · · · ·			
TO: Additional remarks:					
17. Cooler Information	l onder ander en operatie andere a	ngang graps sedunikan	na series de la cala		
COOLER NO I Emp C Condition	Seal Intact Seal No	Seal Date	Signed By		
			]		

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Page 1 of 1

Client: TALON CPE	Turn-Around Time: 4- DAy X Standard □ Rush	HALL ENVIRONMENTAL
Mailing Address: 408 HD. TEXAS	CHIMAYO 16 ST.3	AMALYSIS LABORATORY www.hallenvironmental.com
Phone #: 575-746-8768 email or Fax#:	<u> 100794.349.01</u>	Tel. 505-345-3975 Fax 505-345-4107
QA/QC Package:	B R	0021) MRO) SS 204 SS 204 SSS 204 SS 204 SS 204 SSS 204 SSSS 204 SSS 204 SSS 204 SSSS 204 SSS 204 SSSS 204 SSS 204 SSS 204 SSSS 204 SSS 204 SSSS 204 SSS 204 SSSS 204 SSSSS 204 SSSSSS 204 SSSSS 204 SSSSSS 204 SSSSS 204 SSSSSS 204 SS
Accreditation:  Az Compliance NELAC Other EDD (Type)	Sampler: MICHAEL COLLIER On Ice: PYes INo # of Coolers:	E / TMB's (E 85/8082 PCE 504.1) or 8270SIM or 8270SIM ^ ^ A) ^ Present/Abs
Date Time Matrix Sample Name	Cooler Temp(Inclusing CF): (. 8+0.121.0 Container Preservative HEAL No.	EX / MTBE H:8015D(G) 11 Pesticide 3 (Method ( 4s by 8310 4s by 8310 3 (WOA) 0 (VOA) 0 (VOA) 0 (VOA) 1 (Coliform (f)
9-16-20 10:00 Soil B6-5 0'	GLASS I UE/CODE -001	BT         TPI           808         808           808         808           808         808           808         808           808         808           1         1           1         1
16:40 B6-7 0'	-002 -002	
$\frac{11.10}{1.5R}$	-004 7007	
$\frac{10:40}{10:20} = \frac{5-11}{5-11} \frac{4'R}{4'R}$		
12:00 S-16 1.5-2'R		
11:30 5-18 1.5 R		
Date: Time: Relinquished by: 9/17/-50 1215 March All- Date: Time: Poliphick	Received by: Via: Date Time R	Remarks:
2/17/32 900 UUUM	Received by: Via: Date Time	ATTINE TOM BYNUM $\omega = \frac{1}{2} \frac{1}{2$
si anglise connilled to hall Entitionmental maybe subco	intracted to other accredited laboratories. This serves as notice of this po	possibility. Any sub-contracted data will be clearly notated on the analytical report.

Received by OCD: 7/13/2023 11:39:24 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

OrderNo.: 2010414

RE: Devon Energy Chimayo 16 St 3

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		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	350	60	mg/Kg	20	10/12/2020 8:16:17 PM	55789			
EPA METHOD 8015M/D: DIESEL RANGE	EORGANICS				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	Ε				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 ORGA	ANICS				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

## Hall Environmental Analysis Laboratory, Inc.

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	Qual Units	DF	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	<b>SE ORGANICS</b>				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

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2010414-004

**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: S-20 2' Collection Date: 10/7/2020 11:18:00 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	940	60	mg/Kg	20	10/12/2020 9:43:07 PM	55789
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				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 AM	55726
Surr: DNOP	119	30.4-154	%Rec	1	10/9/2020 11:01:08 AM	55726
EPA METHOD 8015D: GASOLINE RANGE					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

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

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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: 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	Qual Units	DF	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 RANGE	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

Page 5 of 10

2010414-006

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: BG-9 0' Collection Date: 10/7/2020 11:28:00 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	1200	59	mg/Kg	20	10/12/2020 10:07:56 PM	A 55789
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS				Analyst	CLP
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	10/9/2020 11:20:24 AM	55726
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	10/9/2020 11:20:24 AM	55726
Surr: DNOP	80.3	30.4-154	%Rec	1	10/9/2020 11:20:24 AM	55726
EPA METHOD 8015D: GASOLINE RANGE					Analyst	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					Analyst	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

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 6 of 10

Client: Project:	Talon Devon	Artesia Energy Chim	nayo 16	St 3							
Sample ID:	D: MB-55789 SampType: mblk			Tes	TestCode: EPA Method 300.0: Anions						
Client ID:	PBS	Batch ID: 55789			RunNo: <b>72606</b>						
Prep Date:	10/12/2020	Analysis D	ate: 10	/12/2020	S	SeqNo: 25	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	;	TestCode: EPA Method 300.0: Anions						
Client ID:	LCSS	Batch	ID: 55	789	RunNo: <b>72606</b>						
Prep Date:	10/12/2020	Analysis D	ate: 10	/12/2020	S	SeqNo: 25	549457	Units: <b>mg/K</b>	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
- 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

2010414

14-Oct-20

WO#:

#### Page 7 of 10

	WO#:	2010414
lall Environmental Analysis Laboratory, Inc.		14-Oct-20

Client: Project:	Talon Ar Devon Er	tesia hergy Chir	navo 16	5 St 3							
Sample ID:	MB-55726	Samp	Гуре: <b>М</b> І	BLK	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	PBS	Batc	h ID: 55	726	F	RunNo: 7	2550			<b>J</b>	
Prep Date:	10/8/2020	Analysis D	Date: 1	0/9/2020	S	SeqNo: 2	546808	Units: mg/l	۲q		
Apolyto		Popult		SPK value			Low/ imit	Lichl imit	0/ PPD	<b>PD</b> I imit	Qual
Diesel Range C	)rganics (DRO)	ND	10	Of IX Value		/orceo	LOWLINI	riigitEitiit	70111 D		Quai
Motor Oil Range	e Organics (MRO)	ND	50								
Surr: DNOP	o o guineo (	13		10.00		126	30.4	154			
Sample ID:	LCS-55726	SampT	Гуре: <b>LC</b>	s	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	LCSS Batch ID: 55726			RunNo: <b>72550</b>							
Prep Date:	10/8/2020	Analysis E	Date: 10	0/9/2020	S	SeqNo: 2	546810	Units: mg/l	٨g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	Organics (DRO)	56	10	50.00	0	112	70	130			
Surr: DNOP		6.2		5.000		123	30.4	154			
Sample ID:	2010414-001AMS	SampT	Гуре: М:	S	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID:	NE SW 2'	Batc	h ID: 55	726	RunNo: 72550						
Prep Date:	10/8/2020	Analysis E	Date: 10	0/9/2020	S	SeqNo: 2	546852	Units: mg/l	٨g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	Organics (DRO)	48	9.2	46.04	0	104	15	184			
Surr: DNOP		5.7		4.604		124	30.4	154			
Sample ID:	2010414-001AMSI	Samp1	Гуре: М	SD	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	NE SW 2'	Batcl	h ID: 55	726	F	RunNo: 7	2550				
Prep Date:	10/8/2020	Analysis E	Date: 10	0/9/2020	S	SeqNo: 2	546854	Units: mg/l	۶g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	Organics (DRO)	30	9.3	46.73	0	63.3	15	184	46.9	23.9	R
Surr: DNOP		3.0		4.673		64.7	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

- 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

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Talon Artesia

**Client:** 

# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Project:	Devon En	ergy Chin	nayo 16	5 St 3							
Sample ID:	2010414-001ams	SampT	ype: <b>MS</b>	3	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e	
Client ID:	NE SW 2'	Batch	n ID: 55	723	F	RunNo: 7	2552				
Prep Date:	10/8/2020	Analysis D	ate: 10	0/9/2020	S	SeqNo: 2	546879	Units: mg/k	Kg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e 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:	2010414-001amsd	SampT	ype: <b>MS</b>	SD	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e	
Client ID:	NE SW 2'	Batch	n ID: 55	723	F	RunNo: 7	2552				
Prep Date:	10/8/2020	Analysis D	ate: 10	0/9/2020	S	SeqNo: 2	546880	Units: mg/k	Кg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e 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:	lcs-55723	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e	
Client ID:	LCSS	Batch	n ID: 55	723	RunNo: 72552						
Prep Date:	10/8/2020	Analysis D	ate: 10	0/9/2020	S	SeqNo: 2	546912	Units: mg/h	Kg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e 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	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	e	
Client ID:	PBS	Batch	n ID: 55	723	F	RunNo: 7	2552				
Prep Date:	10/8/2020	Analysis D	ate: 10	0/9/2020	S	SeqNo: 2	546914	Units: mg/k	Кg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	ND	5.0								
Surr: BFB		980		1000		98.2	75.3	105			

#### Qualifiers:

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

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

2010414

14-Oct-20

WO#:

Talon Artesia

**Client:** 

**Project:** 

Devon Energy Chimayo 16 St 3

WO#:	2010414

14-Oct-20

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

Sample ID: 2010414-002a	TestCode: EPA Method 8021B: Volatiles												
Client ID: SE SW 2'	h ID: 557	723	RunNo: 72552										
Prep Date: 10/8/2020	Analysis [	Analysis Date: 10/9/2020			SeqNo: 2546922			Units: mg/Kg					
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						
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-Bromofluorobenzene	1.0		0.9804		105	80	120						
Sample ID: 2010414-002a	Tes	tCode: El	PA Method	8021B: Vola	tiles								
Client ID: SE SW 2'	Client ID: SE SW 2' Batch ID: 55723												
Prep Date: 10/8/2020	Date: 10/8/2020 Analysis Date: 10/9/2020					546923	Units: mg/Kg						
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-Bromofluorobenzene	1.0		0.9930		103	80	120	0	0				
		Code: EPA Method 8021B: Volatiles											
Sample ID: LCS-55723	Samp	Гуре: <b>LC</b>	S	Tes	tCode: El	PA Method	8021B: Vola	tiles					
Sample ID: LCS-55723 Client ID: LCSS	Samp <sup>-</sup> Batc	Гуре: <b>LC</b> h ID: <b>55</b> 7	S 723	Tes	tCode: El RunNo: 7	PA Method 2552	8021B: Vola	tiles					
Sample ID: LCS-55723 Client ID: LCSS Prep Date: 10/8/2020	Samp <sup>−</sup> Batc Analysis [	Гуре: <b>LC</b> h ID: <b>557</b> Date: <b>10</b>	S 723 //9/2020	Tes F	tCode: El RunNo: 7 SeqNo: 2	PA Method 2552 546954	8021B: Vola Units: mg/ł	tiles (g					
Sample ID: LCS-55723 Client ID: LCSS Prep Date: 10/8/2020 Analyte	Samp <sup>-</sup> Batc Analysis [ Result	Гуре: <b>LC</b> h ID: <b>557</b> Date: <b>10</b> PQL	S 723 //9/2020 SPK value	Tes F SPK Ref Val	atCode: El RunNo: 7 SeqNo: 2 %REC	PA Method 2552 546954 LowLimit	8021B: Vola Units: mg// HighLimit	tiles (g %RPD	RPDLimit	Qual			
Sample ID: LCS-55723 Client ID: LCSS Prep Date: 10/8/2020 Analyte Benzene	Samp Batc Analysis [ Result 0.93	Type: <b>LC</b> h ID: <b>55</b> 7 Date: <b>10</b> PQL 0.025	S 723 //9/2020 SPK value 1.000	Tes F S SPK Ref Val 0	tCode: El RunNo: 7 SeqNo: 2 %REC 93.0	PA Method 2552 546954 LowLimit 80	8021B: Vola Units: mg/k HighLimit 120	tiles (g %RPD	RPDLimit	Qual			
Sample ID: LCS-55723 Client ID: LCSS Prep Date: 10/8/2020 Analyte Benzene Toluene	Samp Batc Analysis I Result 0.93 0.96	Type: LC h ID: 557 Date: 10 PQL 0.025 0.050	S 723 0/9/2020 SPK value 1.000 1.000	Tes F SPK Ref Val 0 0	tCode: El RunNo: 7 SeqNo: 2 %REC 93.0 96.0	PA Method 2552 546954 LowLimit 80 80	8021B: Vola Units: mg/F HighLimit 120 120	tiles (g %RPD	RPDLimit	Qual			
Sample ID: LCS-55723 Client ID: LCSS Prep Date: 10/8/2020 Analyte Benzene Toluene Ethylbenzene	Samp <sup>-</sup> Batc Analysis I Result 0.93 0.96 0.97	Type: LC h ID: 557 Date: 10 PQL 0.025 0.050 0.050	S 723 //9/2020 SPK value 1.000 1.000 1.000	Tes F SPK Ref Val 0 0 0 0	tCode: El RunNo: 7 SeqNo: 2 %REC 93.0 96.0 97.0	PA Method 2552 546954 LowLimit 80 80 80 80	8021B: Vola Units: mg/F HighLimit 120 120 120	tiles (g %RPD	RPDLimit	Qual			
Sample ID: LCS-55723 Client ID: LCSS Prep Date: 10/8/2020 Analyte Benzene Toluene Ethylbenzene Xylenes, Total	Samp Batc Analysis I Result 0.93 0.96 0.97 2.9	Type: LC h ID: 557 Date: 10 PQL 0.025 0.050 0.050 0.10	S 723 /9/2020 SPK value 1.000 1.000 1.000 3.000	Tes F SPK Ref Val 0 0 0 0 0	tCode: <b>El</b> RunNo: <b>7</b> SeqNo: <b>2</b> <u>%REC</u> 93.0 96.0 97.0 97.8	PA Method 2552 546954 LowLimit 80 80 80 80 80	8021B: Vola Units: mg/P HighLimit 120 120 120 120	tiles (g %RPD	RPDLimit	Qual			
Sample ID: LCS-55723 Client ID: LCSS Prep Date: 10/8/2020 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene	Samp Batc Analysis I Result 0.93 0.96 0.97 2.9 1.0	Type: LC h ID: 557 Date: 10 PQL 0.025 0.050 0.050 0.10	S 723 //9/2020 SPK value 1.000 1.000 3.000 1.000	Tes F SPK Ref Val 0 0 0 0 0	tCode: <b>El</b> RunNo: <b>7</b> SeqNo: <b>2</b> %REC 93.0 96.0 97.0 97.8 105	PA Method 2552 546954 LowLimit 80 80 80 80 80 80	8021B: Vola Units: mg/F HighLimit 120 120 120 120 120	tiles (g %RPD	RPDLimit	Qual			
Sample ID: LCS-55723 Client ID: LCSS Prep Date: 10/8/2020 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb-55723	Samp Batc Analysis I Result 0.93 0.96 0.97 2.9 1.0 Samp	Гуре: LC h ID: 557 Date: 10 PQL 0.025 0.050 0.050 0.10	S 723 /9/2020 SPK value 1.000 1.000 3.000 1.000 SLK	Tes F SPK Ref Val 0 0 0 0 Tes	tCode: EI RunNo: 7 SeqNo: 2 %REC 93.0 96.0 97.0 97.8 105	PA Method 2552 546954 LowLimit 80 80 80 80 80 80 80	8021B: Vola Units: mg/F HighLimit 120 120 120 120 120 8021B: Vola	tiles (g %RPD	RPDLimit	Qual			
Sample ID: LCS-55723 Client ID: LCSS Prep Date: 10/8/2020 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb-55723 Client ID: PBS	Samp Batc Analysis I Result 0.93 0.96 0.97 2.9 1.0 Samp Batc	Гуре: LC h ID: 557 Date: 10 PQL 0.025 0.050 0.050 0.10 Гуре: ME h ID: 557	S 723 //9/2020 SPK value 1.000 1.000 3.000 1.000 8LK 723	Tes F SPK Ref Val 0 0 0 0 Tes F	tCode: El RunNo: 7: SeqNo: 2: %REC 93.0 96.0 97.0 97.8 105 tCode: El RunNo: 7:	PA Method 2552 546954 LowLimit 80 80 80 80 80 80 80 80 27A Method 2552	8021B: Vola Units: mg// HighLimit 120 120 120 120 120 8021B: Vola	tiles (g %RPD tiles	RPDLimit	Qual			
Sample ID: LCS-55723 Client ID: LCSS Prep Date: 10/8/2020 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb-55723 Client ID: PBS Prep Date: 10/8/2020	Samp Batc Analysis I Result 0.93 0.96 0.97 2.9 1.0 Samp Batc Analysis I	Fype: LC h ID: 557 Date: 10 PQL 0.025 0.050 0.050 0.10 Fype: ME h ID: 557 Date: 10	S 723 //9/2020 SPK value 1.000 1.000 3.000 1.000 8LK 723 //9/2020	Tes F SPK Ref Val 0 0 0 0 Tes F	tCode: El RunNo: 7: SeqNo: 2: %REC 93.0 96.0 97.0 97.8 105 tCode: El RunNo: 7: SeqNo: 2:	PA Method 2552 546954 LowLimit 80 80 80 80 80 80 80 80 80 2552 546956	8021B: Vola Units: mg// HighLimit 120 120 120 120 8021B: Vola Units: mg//	tiles (g %RPD tiles (g	RPDLimit	Qual			
Sample ID: LCS-55723 Client ID: LCSS Prep Date: 10/8/2020 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb-55723 Client ID: PBS Prep Date: 10/8/2020 Analyte	Samp Batc Analysis I Result 0.93 0.96 0.97 2.9 1.0 Samp Batc Analysis I Result	Type: LC h ID: 557 Date: 10 PQL 0.025 0.050 0.050 0.10 Type: ME h ID: 557 Date: 10 PQL	S 723 //9/2020 SPK value 1.000 1.000 3.000 1.000 3.000 1.000 SLK 723 //9/2020 SPK value	Tes F SPK Ref Val 0 0 0 0 Tes SPK Ref Val	tCode: El RunNo: 7: SeqNo: 2: <u>%REC</u> 93.0 96.0 97.0 97.8 105 ttCode: El RunNo: 7: SeqNo: 2: %REC	PA Method 2552 546954 LowLimit 80 80 80 80 80 80 80 80 80 80 80 80 80	8021B: Vola Units: mg/k HighLimit 120 120 120 120 120 8021B: Vola Units: mg/k HighLimit	tiles (g %RPD tiles (g %RPD	RPDLimit	Qual			
Sample ID: LCS-55723 Client ID: LCSS Prep Date: 10/8/2020 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb-55723 Client ID: PBS Prep Date: 10/8/2020 Analyte Benzene	Samp Batc Analysis I Result 0.93 0.96 0.97 2.9 1.0 Samp Batc Analysis I Result ND	Type: LC h ID: 557 Date: 10 PQL 0.025 0.050 0.10 0.10 Type: ME h ID: 557 Date: 10 PQL 0.025	S 723 /9/2020 SPK value 1.000 1.000 3.000 1.000 SLK 723 /9/2020 SPK value	Tes F SPK Ref Val 0 0 0 0 Tes F SPK Ref Val	tCode: El RunNo: 7: SeqNo: 2: %REC 93.0 96.0 97.0 97.8 105 tCode: El RunNo: 7: SeqNo: 2: %REC	PA Method 2552 546954 LowLimit 80 80 80 80 80 80 80 80 80 80 80 80 80	8021B: Vola Units: mg// HighLimit 120 120 120 120 120 8021B: Vola Units: mg// HighLimit	tiles (g %RPD tiles (g %RPD	RPDLimit	Qual			
Sample ID: LCS-55723 Client ID: LCSS Prep Date: 10/8/2020 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb-55723 Client ID: PBS Prep Date: 10/8/2020 Analyte Benzene Toluene	Samp Batc Analysis I Result 0.93 0.96 0.97 2.9 1.0 Samp Batc Analysis I Result ND ND	Type: LC h ID: 557 Date: 10 PQL 0.025 0.050 0.10 Type: ME h ID: 557 Date: 10 PQL 0.025 0.050	S 723 /9/2020 SPK value 1.000 1.000 3.000 1.000 SLK 723 /9/2020 SPK value	Tes F SPK Ref Val 0 0 0 0 Tes F SPK Ref Val	tCode: El RunNo: 7: SeqNo: 2: %REC 93.0 96.0 97.0 97.8 105 tCode: El RunNo: 7: SeqNo: 2: %REC	PA Method 2552 546954 LowLimit 80 80 80 80 80 80 80 80 80 80 80 80 80	8021B: Vola Units: mg// HighLimit 120 120 120 120 8021B: Vola Units: mg// HighLimit	tiles (g %RPD tiles (g %RPD	RPDLimit	Qual			
Sample ID: LCS-55723 Client ID: LCSS Prep Date: 10/8/2020 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb-55723 Client ID: PBS Prep Date: 10/8/2020 Analyte Benzene Toluene Ethylbenzene	Samp Batc Analysis I Result 0.93 0.96 0.97 2.9 1.0 Samp Batc Analysis I Result ND ND ND	Type: LC h ID: 557 Date: 10 PQL 0.025 0.050 0.10 Type: ME h ID: 557 Date: 10 PQL 0.025 0.050 0.050	S 723 //9/2020 SPK value 1.000 1.000 3.000 1.000 SLK 723 //9/2020 SPK value	Tes F SPK Ref Val 0 0 0 0 Tes F SPK Ref Val	ttCode: El RunNo: 7: SeqNo: 2: %REC 93.0 96.0 97.0 97.8 105 ttCode: El RunNo: 7: SeqNo: 2: %REC	PA Method 2552 546954 LowLimit 80 80 80 80 80 80 80 PA Method 2552 546956 LowLimit	8021B: Vola Units: mg/F HighLimit 120 120 120 120 8021B: Vola Units: mg/F HighLimit	tiles (g %RPD tiles (g %RPD	RPDLimit	Qual			
Sample ID: LCS-55723 Client ID: LCSS Prep Date: 10/8/2020 Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb-55723 Client ID: PBS Prep Date: 10/8/2020 Analyte Benzene Toluene Ethylbenzene Xylenes, Total	Samp Batc Analysis I Result 0.93 0.96 0.97 2.9 1.0 Samp Batc Analysis I Result ND ND ND ND	Type: LC h ID: 557 Date: 10 PQL 0.025 0.050 0.10 Type: ME h ID: 557 Date: 10 PQL 0.025 0.050 0.050 0.050 0.10	S 723 //9/2020 SPK value 1.000 1.000 3.000 1.000 3.000 1.000 SLK 723 //9/2020 SPK value	Tes F SPK Ref Val 0 0 0 0 Tes F SPK Ref Val	tCode: El RunNo: 7: SeqNo: 2: %REC 93.0 96.0 97.0 97.8 105 tCode: El RunNo: 7: SeqNo: 2: %REC	PA Method 2552 546954 LowLimit 80 80 80 80 80 80 80 80 80 80 80 80 80	8021B: Vola Units: mg/k HighLimit 120 120 120 120 8021B: Vola Units: mg/k HighLimit	tiles (g %RPD tiles (g %RPD	RPDLimit	Qual			

#### **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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HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmer TEL: 505-345-3 Website: client.	ntal Analysis Labor 4901 Hawki Albuquerque, NM 8 975 FAX: 505-345 s.hallenvironmenta	ratory ns NE 87109 <b>San</b> -4107 11.com	Sample Log-In Check List							
Client Name: Talon Artesia	Work Order Num	ber: 2010414		RcptNo: 1							
Received By: Desiree Dominguez	10/8/2020 7:45:00	AM	TA								
Completed By: Juan Rojas	10/8/2020 8:04:19	AM	4 unsals	5)							
Reviewed By: SR 1018120											
Chain of Custody											
. Is Chain of Custody complete?		Yes 🗹	No 🗌	Not Present							
How was the sample delivered?		Courier									
Log In B. Was an attempt made to cool the samples?		Yes 🔽	No 🗌								
. Were all samples received at a temperature of	of >0° C to 6.0°C	Yes 🔽	No 🗌								
. Sample(s) in proper container(s)?		Yes 🔽	No 🗌								
, Sufficient sample volume for indicated test(s)	?	Yes 🔽	No 🗌								
Are samples (except VOA and ONG) properly	preserved?	Yes 🗹	No 🗌								
. Was preservative added to bottles?		Yes	No 🗹	NA 🗌							
. Received at least 1 vial with headspace <1/4"	for AQ VOA?	Yes	No 🗌	NA 🗹							
). Were any sample containers received broker	?	Yes	No 🗹	# of preserved							
l. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes 🗹	No 🗔	for pH: (<2 or >12 unless noted)								
Are matrices correctly identified on Chain of C	Yes 🔽	No 🗌	Adjusted?								
Is it clear what analyses were requested?		Yes 🔽	No 🗌	11 int rotal							
. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	No 🗌	/ Checked by: (NG 10/8/-							
pecial Handling (if applicable)											
5. Was client notified of all discrepancies with the	iis order?	Yes	No 🗔	NA 🗹							
Person Notified:	Date										
By Whom:	Via:	eMail F	Phone 🗌 Fax	In Person							
Regarding:											
Client Instructions:											
5. Additional remarks:											
7. <u>Cooler Information</u> Cooler No Temp <sup>o</sup> C Condition Sea 1 0.7 Good	al Intact Seal No	Seal Date	Signed By								

Page 1 of 1

Client: Talah (JPE		Turn-Around Time: 4-day				HALL ENVIRONMENTAL													
10.06/6/6			Project Name:				ANALISIS LABORATORY												
Mailing Address:		Chimayo 16 St 3				www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109													
Phone #:							Analysis Request												
email or Fax#:		Project Manager:				Ô		1	1	E)	T								
QA/QC Package:		Pavid Adtins				RO / MRG	PCB's		OSIMS		PO4, S	diyle_		nt/Abser					
Accreditation:       □       Az Compliance         □       NELAC       □       Other		Sampler: Brandon Sinclair On Ice: QYes DNo				D(GRO / DF	es/8082	504.1)	or 827	s	3, NO2,	A) bolduper	ni-VOA)	(Prese					
□ EDD (Type)		# of Coolers:					licide	poq	3310	Aetal	N			orm					
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / M	TPH:8015	8081 Pest	EDB (Met	PAHs by 8	RCRA 8 N	OF, Br,	8260 (VO)	8270 (Ser	Total Colif			
19-7-20	11:05	soil	NE SW 2	402 ior	ice	- 001	1	/					$\checkmark$						
	11:09		SE SW 2	ſ		-002	Ī	I					(				1.0 - 1		
	11:14		5-20 N SW 2			-003													
	11:18		5-20 2	-004								1							
	11:23 136-8 0		-005																
	11:28 BG-9 0				-006				-							_			
										_			-	-	_				
Date: Time: Relinquished by: UL 4145 Autor Cross Date: Time: Relinquished by:			Received by: Received by:	Via: UNE Via:	Date Time 10/10/10 1045 Date Time	Ren B:	narks []	s: d: #	rei 20	e 83	t 64	+0	, L	)e	vol	1			
1770 1900 alummines			1DS	courie	C 10/8/26 7:45									_			_		

If necessary, samples submitted to Hall Endonmental 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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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:

RE: Chimayo 16 st 3

OrderNo.: 2010B12

Dear Brandon Sinclair:

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	Inc.			Analytical Report Lab Order 2010B12 Date Reported: 10/29/2	020	
CLIENT: Talon Artesia		CI	ient Sample I	<b>D:</b> 3 §	SW	
Project:         Chimayo 16 st 3           Lab ID:         2010B12-001	Matrix: SOIL	(	Collection Dat Received Dat	e: 10, e: 10,	/20/2020 11:30:00 AM /23/2020 8:00:00 AM	l
Analyses	Result	RL	Qual Units	DF	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	ma/Ka	1	10/24/2020 10:24:02 PM	A 56001
Surr: BFB	104	70-130	%Rec	1	10/24/2020 10:24:02 PN	1 56001
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst:	BRM
Diesel Range Organics (DRO)	ND	9.7	ma/Ka	1	10/24/2020 8:07:32 PM	56002
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 PM	1 56001
Xylenes, Total	ND	0.098	mg/Kg	1	10/24/2020 10:24:02 PM	56001
Surr: 1,2-Dichloroethane-d4	94.6	70-130	%Rec	1	10/24/2020 10:24:02 PM	56001
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	10/24/2020 10:24:02 PM	56001
Surr: Dibromofluoromethane	107	70-130	%Rec	1	10/24/2020 10:24:02 PM	56001
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
- Е Value above quantitation range

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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Qualifiers:

Hall Environmental Ana	lysis Laboratory,	Inc.			Analytical Report Lab Order 2010B12 Date Reported: 10/29/2020	
CLIENT: Talon Artesia Project: Chimayo 16 st 3 Lab ID: 2010B12-002	Client Sample ID: WSW Collection Date: 10/20/2020 11:40:00 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: GASOL	INE RANGE				Analyst: DJF	
Gasoline Range Organics (GRO)	ND	5.0	ma/Ka	1	10/24/2020 10:52:27 PM 56001	
Surr: BFB	101	70-130	%Rec	1	10/24/2020 10:52:27 PM 56001	
EPA METHOD 8015M/D: DIESEL RA	ANGE ORGANICS				Analyst: BRM	
Diesel Range Organics (DRO)	ND	9.0	ma/Ka	1	10/24/2020 8:31:54 PM 56002	
Motor Oll 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	6HORT LIST				Analyst: DJF	
Benzene	ND	0.025	ma/Ka	1	10/24/2020 10:52:27 PM 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 56001	
Xylenes, Total	ND	0.099	mg/Kg	1	10/24/2020 10:52:27 PM 56001	
Surr: 1,2-Dichloroethane-d4	90.4	70-130	%Rec	1	10/24/2020 10:52:27 PM 56001	
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	10/24/2020 10:52:27 PM 56001	
Surr: Dibromofluoromethane	104	70-130	%Rec	1	10/24/2020 10:52:27 PM 56001	
Surr: Toluene-d8	102	70-130	%Rec	1	10/24/2020 10:52:27 PM 56001	

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<b>Oualifiers</b> :	٠	Valuo exceeds Maximum Contaminant Level.	ß	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	I	Analyte detected below quantitation limits	
	ND	ND Not Detected at the Reporting Linuit		Sample pH Not In Range	D
	PQL Practical Quanitative Limit		RL	Reporting Limit	rage 2 of 21
	S	% Recovery outside of range due to dilution or matrix			

Hall Environmental Analy	ysis Laboratory,	Inc.			Analytical Report Lab Order 2010B12 Date Reported: 10/29/24	020
CLIENT: Talon Artesia	······································	Clier	it Sample I	<b>D:</b> 18	SW	
Project: Chimayo 16 st 3		Co	llection Dat	te: 10/	/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: GASOLI	NE 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 RA	NGE ORGANICS				Analyst:	BRM
Diesel Range Organics (DRO)	ND	9.5	ma/Ka	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 S	HORT 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	10/25/2020 1:15:23 AM	56001
Surr: Toluene-d8	103	70-130	%Rec	1	10/25/2020 1:15:23 AM	56001

the second					
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	ND Not Detected at the Reporting Limit P Sample pH Not In Range		Sample pH Not In Range	Daga 2 -601
	PQL	Practical Quanitative Limit	RL	Reporting Limit	Page 5 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

							180000000000000000000000
CLIENT:	Talon Artesia	Auto	С	lient Sample II	D: S3		
Project:	Chimayo 16 st 3			Collection Dat	<b>e:</b> 10	/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 MET	HOD 300.0: ANIONS					Analyst	CAS
Chloride		1200	61	mg/Kg	20	10/26/2020 6:38:53 PM	56038
EPA MET	HOD 8015D MOD: GASOL	INE RANGE				Analyst	DJF
Gasoline	Range Organics (GRO)	ND	4,9	mg/Kg	1	10/25/2020 1:43:47 AM	56001
Surr: E	3FB	104	70-130	%Rec	1	10/25/2020 1:43:47 AM	56001
EPA MET	HOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst	BRM
Diesel Ra	ange 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: D	NOP	88.6	30,4-154	%Rec	1	10/24/2020 9:20:35 PM	56002
EPA MET	HOD 8260B: VOLATILES S	HORTLIST				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
Ethylbenz	zene	ND	0.049	mg/Kg	1	10/25/2020 1:43:47 AM	56001
Xylenes,	Total	ND	0.098	m <b>g</b> /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: D	ibromofluoromethane	107	70-130	%Rec	1	10/25/2020 1:43:47 AM	56001
Surr: T	oluene-d8	107	70-130	%Rec	1	10/25/2020 1:43:47 AM	56001

<b>Onalifiers</b> :	+	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 Limit	Р	Sanule pH Not In Range	Dece def 21
	PQL	Practical Quanitative Limit	RL	Reporting Limit	Page 4 01 21
	s	% Recovery outside of range due to dilution or matrix			
	5	so receively builded of range due to abonen or many			

Hall E	nvironmental Anal	ysis Laboratory,	Inc.			Analytical Report Lab Order 2010B12 Date Reported: 10/29/2	020
CLIENT	: Talon Artesia		Clien	it Sample I	<b>D:</b> S2		
Project:	Chimayo 16 st 3		Col	lection Dat	e: 10/	/20/2020 12:10:00 PM	
Lab ID:	2010B12-005	Matrix: SOIL	Re	eceived Dat	e: 10/	23/2020 8:00:00 AM	
Analyse	S	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA ME	THOD 300.0: ANIONS					Analyst	CAS
Chloride	9	9400	300	mg/Kg	100	10/28/2020 12:28:34 PM	A 56069
EPA ME	THOD 8015D MOD: GASOLI	NE RANGE				Analyst	DJF
Gasoline	e Range Organics (GRO)	ND	5.0	mg/Kg	1	10/25/2020 2:12:22 AM	56001
Surr:	BFB	107	70-130	%Rec	1	10/25/2020 2:12:22 AM	56001
EPA ME	THOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst	BRM
Diesel R	ange Organics (DRO)	ND	9.9	mg/Kg	1	10/24/2020 9:44:54 PM	56002
Motor O	il Range Organics (MRO)	ND	50	mg/Kg	1	10/24/2020 9:44:54 PM	56002
Surr: I	DNOP	80.9	30.4-154	%Rec	1	10/24/2020 9:44:54 PM	56002
EPA MET	THOD 8260B: VOLATILES S	HORT LIST				Analyst:	DJF
Benzene	9	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
Ethylben	izene	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: 7	1,2-Dichloroethane-d4	95,5	70-130	%Rec	1	10/25/2020 2:12:22 AM	56001
Surr: 4	4-Bromofluorobenzene	108	70-130	%Rec	1	10/25/2020 2:12:22 AM	56001
Surr: [	Dibromofluoromethane	103	70-130	%Rec	1	10/25/2020 2:12:22 AM	56001
Surr: 1	Toluene-d8	102	70-130	%Rec	1	10/25/2020 2:12:22 AM	56001

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<b>Oualifiers</b> :	*	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 6 +601
	PQL	Practical Quanitative Limit	RL	Reporting Linut	Page 5 of 21
	S	% Recovery outside of range due to dilution or matrix			

Hall Environmental Anal	ysis Laboratory,	Inc.	Stand Processing and a state of the		Analytical Report Lab Order 2010B12 Date Reported: 10/29/20	)20
CLIENT: Talon Artesia		Clien	t Sample I	<b>D:</b> S1	5	
Project: Chimayo 16 st 3		Col	lection Dat	e: 10/	/20/2020 12:20:00 PM	
Lab ID: 2010B12-006	Matrix: SOIL	Re	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	710	60	mg/Kg	20	10/27/2020 9:12:04 PM	56069
EPA METHOD 8015D MOD: GASOLI	NE RANGE				Analyst:	DJF
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/25/2020 2:41:03 AM	56001
Surr: BFB	101	70-130	%Rec	1	10/25/2020 2:41:03 AM	56001
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst:	BRM
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	10/24/2020 10:09:16 PM	56002
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	10/24/2020 10:09:16 PM	56002
Surr: DNOP	108	30.4-154	%Rec	1	10/24/2020 10:09:16 PM	56002
EPA METHOD 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
Ethylbenzene	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
Surr: 1,2-Dichloroethane-d4	97.5	70-130	%Rec	1	10/25/2020 2:41:03 AM	56001
Surr: 4-Bromofluorobenzene	105	70-130	%Rec	1	10/25/2020 2:41:03 AM	56001
Surr: Dibromofluoromethane	107	70-130	%Rec	1	10/25/2020 2:41:03 AM	56001
Surr: Toluene-d8	103	70-130	%Rec	1	10/25/2020 2:41:03 AM	56001

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Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

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Date Reported: 10/29/2020

CLIENT: Talon Artesia		Cl	ient Sample II	D:EI	3G			
Project: Chimayo 16 st 3	Martine SOII	Collection Date: 10/20/2020 12:30:00 PM						
Lad ID: 2010B12-007	Matrix: SOLL		Received Dat	te: 10/23/2020 8:00:00 AM				
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analyst:	CAS		
Chloride	140	59	mg/Kg	20	10/27/2020 9:24:28 PM	56069		
EPA METHOD 8015D MOD: GASOLIN	IE RANGE				Analyst:	DJF		
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	10/25/2020 3:09:37 AM	56001		
Surr: BFB	106	70-130	%Rec	1	10/25/2020 3:09:37 AM	56001		
EPA METHOD 8015M/D: DIESEL RAN	IGE ORGANICS				Analyst:	BRM		
Dlesel Range Organics (DRO)	ND	9,9	mg/Kg	1	10/24/2020 10:33:35 PM	1 56002		
Motor Oil Range Organics (MRO)	99	49	mg/Kg	1	10/24/2020 10:33:35 PM	56002		
Surr: DNOP	129	30.4-154	%Rec	1	10/24/2020 10:33:35 PM	56002		
EPA METHOD 8260B: VOLATILES SH	IORT LIST				Analyst:	DJF		
Benzene	ND	0.025	mg/Kg	1	10/25/2020 3:09:37 AM	56001		
Taluene	ND	0.050	mg/Kg	1	10/25/2020 3:09:37 AM	56001		
Ethylbenzene	ND	0.050	mg/Kg	1	10/25/2020 3:09:37 AM	56001		
Xylenes, Total	ND	0.10	mg/Kg	1	10/25/2020 3:09:37 AM	56001		
Surr: 1,2-Dichloroethane-d4	98.8	70-130	%Rec	1	10/25/2020 3:09:37 AM	56001		
Surr: 4-Bromofluorobenzene	110	70-130	%Rec	1	10/25/2020 3:09:37 AM	56001		
Surr: Dibromofluoromethane	111	70-130	%Rec	1	10/25/2020 3:09:37 AM	56001		
Surr: Toluene-d8	106	70-130	%Rec	1	10/25/2020 3:09:37 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 Quanitative 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 7 of 21
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Hall Environmental Ana	lysis Laboratory,	Inc.		uu as tox	Analytical Report Lab Order 2010B12 Date Reported: 10/29/2	020		
CLIENT: Talon Artesia Project: Chimayo 16 st 3 Lab ID: 2010B12-008	Matrix: SOIL	Client Sample ID: NSW         Collection Date: 10/20/2020 12:40:00 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 Chloride	700	60	mg/Kg	20	Analyst 10/27/2020 9:36:53 PM	: CAS 56069		
EPA METHOD 8015D MOD: GASO	LINE RANGE				Analyst	DJF		
Gasoline Range Organics (GRO) Surr: BFB	ND 100	4.9 70-130	mg/Kg %Rec	1 1	10/25/2020 3:38:00 AM 10/25/2020 3:38:00 AM	56001 56001		
EPA METHOD 8015M/D: DIESEL R	ANGE ORGANICS				Analyst	BRM		
Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP	ND ND 89,8	9.8 49 30.4-154	mg/Kg mg/Kg %Rec	1 1 1	10/24/2020 10:57:54 PM 10/24/2020 10:57:54 PM 10/24/2020 10:57:54 PM	M 56002 M 56002 M 56002		
EPA METHOD 8260B: VOLATILES	SHORT LIST				Analyst	DJF		
Benzene Toluene	ND ND	0.025 0.049	mg/Kg mg/Kg	1 1	10/25/2020 3:38:00 AM 10/25/2020 3:38:00 AM	56001 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 Surr: 4-Bromofluorobenzene	95.6 105	70-130 70-130	%Rec %Rec	1 1	10/25/2020 3:38:00 AM 10/25/2020 3:38:00 AM	56001 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.

Qualifiers:	٠	Value exceeds Maximum Contaminant Level.
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- 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 Laboratory, Inc. Date Reported: 10/29/20					
CLIENT: Talon Artesia Project: Chimayo 16 st 3 Lab ID: 2010B12-009	Matrix: SOIL	C	lient Sample II Collection Dat Received Dat	D: S7 e: 10 e: 10	7 /20/2020 12:50:00 PM /23/2020 8:00:00 AM
Analyses	Result	RL	Qual Units	DF	Date Analyzed Bate
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: G	ASOLINE 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: DIES	EL RANGE ORGANICS				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: VOLAT	ILES SHORT 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.

<b>Onalifiers</b> :	•	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method Blank
Quinnin	D	Sample Diluted Due to Matrix	Е	Value above quantitation range

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

RL Reporting Limit

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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

Hall E	nvironmental Analy	ysis Laboratory,	Inc.			Analytical Report Lab Order 2010B12 Date Reported: 10/29/202	20
CLIENT	: Talon Artesia		Cli	ient Sample I	D: S9	1	
Project:	Chimayo 16 st 3		C	<b>Collection Dat</b>	e: 10/	/20/2020 1:00:00 PM	
Lab <b>ID</b> :	2010B12-010	Matrix: SOIL		Received Dat	<b>e:</b> 10/	/23/2020 8:00:00 AM	
Analyse	5	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA ME	THOD 300.0: ANIONS					Analyst: (	CAS
Chloride	9	1700	60	mg/Kg	20	10/27/2020 10:01:43 PM	56069
EPA ME	THOD 8015D MOD: GASOLI	NE RANGE				Analyst: I	DJF
Gasolin	e 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 ME	THOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst: I	BRM
Diesel R	ange Organics (DRO)	ND	9.3	mg/Kg	1	10/24/2020 11:46:30 PM §	56002
Motor O	il Range Organics (MRO)	ND	47	mg/Kg	1	10/24/2020 11:46:30 PM {	56002
Surr:	DNOP	108	30.4-154	%Rec	1	10/24/2020 11:46:30 PM 5	56002
EPA ME	THOD 8260B: VOLATILES S	HORT LIST				Analyst: E	DJF
Benzene	Э	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
Ethylber	izene	ND	0.050	mg/Kg	1	10/25/2020 4:35:02 AM 5	56001
Xylenes,	Total	ND	0.10	mg/Kg	1	10/25/2020 4:35:02 AM 5	56001
Surr:	1,2-Dichloroethane-d4	96.0	70-130	%Rec	1	10/25/2020 4:35:02 AM 5	56001
Surr: 4	4-Bromofluorobenzene	107	70-130	%Rec	1	10/25/2020 4:35:02 AM 5	56001
Surr: I	Dibromofluoromethane	100	70-130	%Rec	1	10/25/2020 4:35:02 AM 5	56001
Surr:	Toluene-d8	101	70-130	%Rec	1	10/25/2020 4:35:02 AM 5	56001

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Qualifiers:	+	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 21
	PQL	Practical Quanitative Limit	RL	Reporting Limit	Page 10 01 21
	S	% Recovery outside of range due to dilution or matrix			
		• •			

**Analytical Report** 

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Hall Environmental Analysis Laboratory, Inc. Date Reported: 10/29/2024							:0
CLIENT Project: Lab ID:	: Talon Artesia Chimayo 16 st 3 2010B12-011	Matrix: SOIL	Cl	lient Sample II Collection Dat Received Dat	D: S1 e: 10 e: 10	4 /20/2020 1:10:00 PM /23/2020 8:00:00 AM	
Analyses	8	Result	RL Qual Units		DF Date Analyzed		Batch
EPA ME	THOD 300.0: ANIONS					Analyst: (	CAS
Chloride	3	3900	150	mg/Kg	50	10/28/2020 12:53:23 PM	56069
EPA ME	THOD 8015D MOD: GASOL	INE RANGE				Analyst: I	DJF
Gasoline	e Range Organics (GRO)	ND	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 ME	THOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst: I	BRM
Diesel F	Range Organics (DRO)	ND	9.8	mg/Kg	1	10/25/2020 12:10:50 AM	56002
Motor O	il Range Organics (MRO)	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 ME	THOD 8260B: VOLATILES S	HORT LIST				Analyst: I	DJF
Benzene	3	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
Ethylber	nzene	ND	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	10/25/2020 5:03:37 AM	56001
Surr:	4-Bromofluorobenzene	105	70-130	%Rec	1	10/25/2020 5:03:37 AM	56001
Surr:	Dibromofiuoromethane	106	70-130	%Rec	1	10/25/2020 5:03:37 AM	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.

Qualifiance	•	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associa
Quanners.	n	Sample Diluted Due to Matrix	Е	Value above quantitation rang
	н	Holding times for preparation or analysis exceeded	J	Analyte detected below quanti
	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
- iated Method Blank
- itation limits
- RL Reporting Limit

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Hall Environmental Ana	ilysis Laboratory,	Inc.			Analytical Report Lab Order 2010B12 Date Reported: 10/29/2	020
CLIENT: Talon Artesia		Cli	ent Sample I	D: S1	9	
Project: Chimayo 16 st 3		C	Collection Dat	e: 10	/20/2020 1:30:00 PM	
Lab ID: 2010B12-012	Matrix: SOIL	]	Received Dat	<b>e:</b> 10,	/23/2020 8:00:00 AM	
Analyses	Result	Result RL Qu		l Units DF Date Analyzed		
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	5100	300	mg/Kg	100	) 10/28/2020 12:40:58 PI	VI 56069
EPA METHOD 8015D MOD: GASO	LINE RANGE				Analyst	DJF
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	10/25/2020 5:32:14 AM	56001
Surr: BFB	106	70-130	%Rec	1	10/25/2020 5:32:14 AM	56001
EPA METHOD 8015M/D: DIESEL F	ANGE ORGANICS				Analyst	BRM
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	10/25/2020 12:35:12 AM	A 56002
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	10/25/2020 12:35:12 AM	A 56002
Surr: DNOP	94.4	30.4-154	%Rec	1	10/25/2020 12:35:12 AM	A 56002
EPA METHOD 8260B: VOLATILES	SHORT LIST				Analyst	DJF
Benzene	ND	0.025	mg/Kg	1	10/25/2020 5:32:14 AM	56001
Toluene	ND	0.049	mg/Kg	1	10/25/2020 5:32:14 AM	56001
Ethylbenzene	ND	0.049	mg/Kg	1	10/25/2020 5:32:14 AM	56001
Xylenes, Total	ND	0.099	mg/Kg	1	10/25/2020 5:32:14 AM	56001
Surr: 1,2-Dichloroethane-d4	91.9	70-130	%Rec	1	10/25/2020 5:32:14 AM	56001
Surr: 4-Bromofluorobenzene	105	70-130	%Rec	1	10/25/2020 5:32:14 AM	56001
Surr: Dibromofluoromethane	106	70-130	%Rec	1	10/25/2020 5:32:14 AM	56001
Surr: Toluene-d8	107	70-130	%Rec	1	10/25/2020 5:32:14 AM	56001

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

- 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 Value above quantitation range Analyte detected below quantitation limits Е
- J
- р Sample pH Not In Range
- RL Reporting Linit

Page 12 of 21

## **Analytical Report**

Lab Order 2010B12

Hall Environmental Analysis Laboratory, Inc.         Date Reported: 10/29/2020										
CLIENT Project: Lab ID:	: Talon Artesia Chimayo 16 st 3 2010B12-013	Matrix: SOIL	C	ient Sample I Collection Dat Received Dat	ID: S13 ate: 10/20/2020 1:40:00 PM ate: 10/23/2020 8:00:00 AM					
Analyses		Result	RĹ	RL Qual Units		DF Date Analyzed				
EPA ME	THOD 300.0: ANIONS					Analyst:	CAS			
Chloride		5500	300	mg/Kg	100	0 10/28/2020 1:05:47 PM	56069			
EPA ME	THOD 8015D MOD: GASOLI	NE RANGE				Analyst:	DJF			
Gasoline	e Range Organics (GRO)	ND	4.9	mg/Kg	1	10/25/2020 3:04:12 AM	56003			
Surr: BFB		89.8	70-130	%Rec	1	10/25/2020 3:04:12 AM	56003			
EPA MET	THOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst:	mb			
Diesel R	ange Organics (DRO)	26	10	mg/Kg	1	10/26/2020 1;44:37 PM	56014			
Motor Oi	I Range Organics (MRO)	110	50	mg/Kg	1	10/26/2020 1:44:37 PM	56014			
Surr: I	DNOP	81.3	30.4-154	%Rec	1	10/26/2020 1:44:37 PM	56014			
EPA MET	THOD 8260B: VOLATILES S	HORT 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			
Ethylben	zene	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	1,2-Dichloroethane-d4	95.9	70-130	%Rec	1	10/25/2020 3:04:12 AM	56003			
Surr: 4	4-Bromofluorobenzene	97.8	70-130	%Rec	1	10/25/2020 3:04:12 AM	56003			
Surr: E	Dibromofluoromethane	107	70-130	%Rec	1	10/25/2020 3:04:12 AM	56003			
Surr: 1	Foluene-d8	102	70-130	%Rec	1	10/25/2020 3:04:12 AM	56003			

Qualifiers:	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	
	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 12 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 Er	ivironmental Analy		Date Reported: 10/29/2020				
CLIENT: Project: Lab ID:	Talon Artesia Chimayo 16 st 3 2010B12-014	Matrix: SOIL	C	lient Sample II Collection Dat Received Dat	D: 17 e: 10 e: 10	'SW /20/2020 1:50:00 PM /23/2020 8:00:00 AM	
Analyses		Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA MET	HOD 300.0: ANIONS					Analyst:	CAS
Chloride		400	60	mg/Kg	20	10/27/2020 10:51:20 PN	1 56069
EPA MET	HOD 8015D MOD: GASOLI	NE RANGE				Analyst:	DJF
Gasoline	Range Organics (GRO)	ND	5.0	mg/Kg	1	10/25/2020 4:32:33 AM	56003
Surr: B	IFB	91.4	70-130	%Rec	1	10/25/2020 4:32:33 AM	56003
EPA MET	HOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst:	mb
Diesel Ra	inge Organics (DRO)	ND	9.6	mg/Kg	1	10/26/2020 2:08:37 PM	56014
Motor Oil	Range Organics (MRO)	ND	48	mg/Kg	1	10/26/2020 2:08:37 PM	56014
Surr: D	NOP	82.7	30.4-154	%Rec	1	10/26/2020 2:08:37 PM	56014
EPA MET	HOD 8260B: VOLATILES S	HORT LIST				Analyst:	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
Ethylbenz	ene	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	56003
Surr: 4-	-Bromofluorobenzene	101	70-130	%Rec	1	10/25/2020 4:32:33 AM	56003
Surr: D	ibromofluoromethane	107	70-130	%Rec	1	10/25/2020 4:32:33 AM	56003
Surr: T	oluene-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.

						· · · · · · · · · · · · · · · · · · ·
Она	lifiers:	٠	Value exceeds Maximum Contaminant Level.	в	Analyte detected in the associated Method Blank	
· · · · ·		D	Sample Diluted Due to Matrix	Е	Value abovo 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 14 of 2

- 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 1615

Client:	Talon /	Artesia									
Project:	Chimay	yo 16 st 3									
Sample ID	: MB-56038	SampT	ype: m	bik	Tes	stCode: E	PA Method	300.0: Anion	s		
Client ID:	PBS	Batch	n ID: 56	038	RunNo: 72931						
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	SampType: Ics TestCode: EPA Method 300.0: Anlons									
Client ID:	LCSS	Batch	ID: 56	038	F	RunNo: 7	2931				
Prep Date:	10/26/2020	Analysis D	ate: 10	0/26/2020	8	SeqNo: 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:	MB-56069	SampT	ype: ME	BLK	Tes	tCode: E	PA Method	300.0: Anions	5		
Client ID:	PBS	Batch	ID: 56	069	F	RunNo: 7	2930				
Prep Date:	10/27/2020	Analysis Da	ate: 10	/27/2020	e	SeqNo: 2	565255	Units: mg/K	9		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5					W			
Sample ID:	LCS-56069	SampT)	/pe: LC	s	Tes	tCode: El	PA Method	300.0: Anions	;		
Client ID:	LCSS	Batch	ID: 560	)69	R	tunNo: 7	2930				
Prep Date:	10/27/2020	Analysis Da	ate: 10	/27/2020	S	eqNo: 2	565256	Units: mg/K	3		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	92.9	90	110			

Qualifiers:

- 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
- RL. Reporting Limit

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**Client:** 

**Project:** 

Client ID:

Analyte

Surr: DNOP

Sample ID: MB-56002

PBS

Prep Date: 10/23/2020

Diesel Range Organics (DRO)

Motor Oil Range Organics (MRO)

Talon Artesia Chimayo 16 st 3

#### Hall Environmental Analysis Laboratory, Inc.

Result

ND

ND

11

SampType: MBLK

Batch ID: 56002

Analysis Date: 10/24/2020

PQL

10

50

Sample ID: LCS-56002	Samp⊺ype: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organ					e Organics
Client ID: LCSS	Batcl	h ID: 56	002	RunNo: 72912					
Prep Date: 10/23/2020	Analysis E	Date: 10	0/24/2020	S	GeqNo: 2	562945	Units: mg/h	٢g	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit
Diesel Range Organics (DRO)	47	10	50.00	0	94.9	70	130		
Surr: DNOP	5.1		5.000		101	30.4	154		
Sample (D: LCS 56014	SampType: LCS			Too				east Dame	
Cample ID. LC3-36014	Sampi	ype. LC	3	res		-A Methou	90.12M/DT DH	eser kange	e Organics
Client ID: LCSS	Samp i Batch	iD: 560	5 D14	R	RunNo: 7	2917	0010M/D: DH	eser Kange	e Organics
Client ID: LCS-360 (4 Client ID: LCSS Prep Date: 10/24/2020	Samp i Batch Analysis D	ype. LC n ID: 560 pate: 10	5 014 0/26/2020	R	RunNo: 72 SeqNo: 24	2917 563396	Units: mg/k	kg	e Organics
Client ID: LCS-36014 Prep Date: 10/24/2020 Analyte	Samp i Batch Analysis D Result	ppe. LC n ID: 56( pate: 10 PQL	5 014 0/26/2020 SPK value	SPK Ref Val	RunNo: 7 RunNo: 7 SeqNo: 2 %REC	2917 563396 LowLimit	Units: mg/K HighLimit	kg %RPD	POrganics
Client ID: LCS-560 (4 Prep Date: 10/24/2020 Analyte Dieset Range Organics (DRO)	Samp i Batch Analysis D <u>Result</u> 54	ppe. LC n ID: 56( pate: 10 PQL 10	5 014 0/ <b>26/2020</b> SPK value 50.00	SPK Ref Val	RunNo: 7 SeqNo: 2 %REC 108	2917 563396 LowLimit 70	Units: mg/k HighLimit 130	kg %RPD	RPDLimit
Client ID: LCS-360 (4 Client ID: LCSS Prep Date: 10/24/2020 Analyte Diesel Range Organics (DRO) Surr: DNOP	Samp i Batch Analysis D Result 54 5.3	ype. LC n ID: 56( Pate: 10 PQL 10	5 014 //26/2020 SPK value 50.00 5.000	SPK Ref Val	RunNo: 7 SeqNo: 24 <u>%REC</u> 108 106	2917 563396 LowLimit 70 30.4	Units: mg/k HighLimit 130	sg %RPD	PDLimit

10.00

Sample ID: MB-56014	Samp	Tvoe: Mi	BLK	Tes	tCode: E	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS	t ID: PBS Batch ID: 56014			F	2917					
Prep Date: 10/24/2020	Analysis [	Date: 1	0/26/2020	SeqNo: 2563397		563397	7 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								
Sur: DNOP	11		10.00		105	30.4	154			

Qualifiers:

- 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 POL Practical Ousnitative Limit
- % Recovery outside of range due to dilution or matrix s

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

WO#: 2010B12

Qual

Qual

Qual

TestCode: EPA Method 8015M/D: Diesel Range Organics

Units: mg/Kg

154

%RPD

RPDLimit

HighLimit

RunNo: 72912

107

30.4

SPK value SPK Ref Val %REC LowLimit

SeqNo: 2562944

29-Oct-20

Released to Imaging: 7/21/2023 7:19:41 AM

**Client:** 

**Project:** 

Analyte

Sample ID: mb-56001

Prep Date: 10/23/2020

Client ID: PBS

Talon Artesia

Chimayo 16 st 3

#### Hall Environmental Analysis Laboratory, Inc.

Result

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
Surr: 4-Bromofluorobenzene	0.55		0.5000	<b>1</b> 11
Surr: Dibromofluoromethane	0.56		0.5000	111
Surr: Toluene-d8	0.54		0.5000	109

SampType: MBLK

Batch ID: 56001

Analysis Date: 10/24/2020

PQL

Sample ID: Ics-56001	SampType: LCS4		TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: BatchQC	Batc	h ID: 56	001	F	RunNo: 72901						
Prep Date: 10/23/2020	Analysis [	Date: 10	/24/2020	\$	SeqNo: 2	562493	Units: mg/K	g			
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				
Foluene	1.0	0.050	1.000	0	105	80	120				
Ethylbenzene	<b>1</b> .1	0.050	1.000	0	106	80	120				
(ylenes, 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	SampType: MBLK TestCode: EPA Method			8260B: Volati	les Short	List					
Client ID: PBS	Batch	n ID: 560	11	RunNo: 72903							
Prep Date: 10/23/2020	Analysis D	ate: 10	/24/2020	S	SeqNo: 2	562545	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	SampT	ype: LCS	54	Test	Code: EF	PA Method	8260B: Volati	les Short	List		
Cilent ID: BatchQC	Batch	ID: 560	11	R	unNo: 72	2903					
<sup>&gt;</sup> rep Date: 10/23/2020	Analysis D	ate: 10/	24/2020	S	eqNo: 28	562546	Units: %Rec				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: 1,2-Dichloroelhane-d4	0.52		0.5000		104	70	130				

Value exceeds Maximum Contaminant Level.

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

Surr: 4-Bromofluorobenzene

% Recovery outside of range due to dilution or matrix S

0.52

Analyte detected in the associated Method Blank В Value above quantitation range

105

70

130

E Analyte detected below quantitation limits J

Р Sample pH Not In Range

RL Reporting Limit

0.5000

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WO#: 2010B12

Qual

TestCode: EPA Method 8260B: Volatiles Short List

70

70

70

70

Units: mg/Kg

130

130

130

130

%RPD

RPDLimit

HighLimit

RunNo: 72901

SPK value SPK Ref Val %REC LowLimit

SeqNo: 2562492

29-Oct-20

#### Hall Environmental Analysis Laboratory, Inc.

Qual	ifiers:	
	Malus average Ja Mas	

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

Value above quantitation range E

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

КL

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Page	127	of 144	
1		0, 111	

2010B12

29-Oct-20

WO#:

Client: Talon A	artesia											
Project: Unimay	0 10 St 3											
Sample ID: Ics-56011	Samp	Type: L	CS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: BatchQC	Batch ID: 56011											
Prep Date: 10/23/2020	Analysis	Date: 1	0/24/2020		SeqNo: 2	2562546	Units: %Red	;				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Surr: Dibromofluoromethane	0.54		0.5000		108	70	130					
Surr: Toluene-d8	0.55		0.5000		109	70	130					
Sample ID: mb-56003	Samp	Туре: М	BLK	Tes	stCode: E	PA Method	8260B: Volat	iles Shor	t List			
Client ID: PBS	Bato	h ID: 56	003	I	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	Samp	Type: LC	:S4	Tes	tCode: El	PA Method	8260B: Volati	les Short	List			
Client ID: BatchQC	Batc	h ID: 56	003	F	RunNo: 7	2903						
Prep Date: 10/23/2020	Analysis [	Date: 10	)/25/2020	S	SeqNo: 2	562555	Units: mg/Kg	J				
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	SampT	ype: MS	34	Tes	tCode: EF	A Method	8260B: Volatil	es Short	List			
Client ID: S13	Batch	n ID: 56	003	R	tunNo: 72	2903						
Prep Date: 10/23/2020	Analysis D	)ate: 10	/25/2020	S	eqNo: 2	562557	Units: mg/Kg	Į.				
		DOL	ODIZ visitiva	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Analyte	Result	PQL	SPK value		-				and the second			
Analyte Benzene	Result 1.1	0.025	0.9921	0	106	71.1	115					
Analyte lenzene ïoluene	Result 1.1 1.2	0.025 0.050	0.9921 0.9921	0	106 118	71.1 79.6	115 132					
Analyte Benzene Toluene Sthylbenzene	Result 1.1 1.2 1.2	0.025 0.050 0.050	0.9921 0.9921 0.9921	0 0 0	106 118 123	71.1 79.6 83.8	115 132 134					

1272 **Client:** 

Ĩ

**Project:** 

# QC SUMMARY REPORT

Talon Artesia

Chimayo 16 st 3

#### Hall Environmental Analysis Laboratory, Inc.

Sample ID: 2010b12-013ams	SampType	MS4	TestCo	de: EPA	Method	8260B: Volatil	es Short	List
Client ID: \$13	Batch ID:	56003	RunN	lo: 729	03			
Prep Date: 10/23/2020	Analysis Date:	10/25/2020	SeqN	lo: 256	2557	Units: mg/Kg		
Analyte	Result PC	QL SPK value	SPK Ref Val %	REC L	.owLimit	HighLimit	%RPD	RPDLimi
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		
Sample ID: 2010b12-013amsd	Samp⊺ype:	MSD4	TestCoc	ie: EPA	Method 8	3260B: Volatil	es Short	List
Client ID: S13	Batch ID:	56003	RunN	lo: 7290	03			
Prep Date: 10/23/2020	Analysis Date:	10/25/2020	SeqN	lo: <b>256</b> 2	2558	Units: mg/Kg		

) · ·		• •								
Client ID: S13	Batch	n ID: 56	003	F	RunNo: 7	2903				
Prep Date: 10/23/2020	Analysis E	ate: 10	)/25/2020	5	SeqNo: 2	562558	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	0.9960	0	105	71.1	115	0.968	20	
Toluene	1.2	0.050	0.9960	0	117	79.6	132	0.413	20	
Ethylbenzene	1.2	0.050	0.9960	0	118	83.8	134	3.55	20	
Xylenes, Total	3.5	0.10	2.988	0	117	82.4	132	0.328	20	
Surr: 1,2-Dichloroethane-d4	0.52		0.4980		105	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.50		0.4980		101	70	130	0	0	
Surr: Dibromofluoromethane	0.55		0.4980		<b>1</b> 11	70	130	0	0	
Surr: Toluene-d8	0.51		0.4980		103	70	130	0	0	

Qualifiers:

- . 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

Qual

29-Oct-20

# QC SUMMARY REPORT

#### Hall Environmental Analysis Laboratory, Inc.

WO#: 2010B12

29-Oct-20

Client:TalonProject:Chima	Artesia yo 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	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 540 500.0	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 I	Range
Client ID: LCSS	Batch ID: 56011	RunNo: 72903		
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 I	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)	ND 5.0			
Surr: BFB	450 500.0	89.3 70	130	
Sample ID: Ics-56003	SampType: LCS	TestCode: EPA Method	8015D Mod: Gasoline F	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	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Gasoline Range Organics (GRO) Surr: BFB	22 5.0 25.00 440 500.0	0 87.4 70 88.5 70	130 130	

#### Qualifiers:

\* Value exceeds Maximum Continninant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Linut

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

Page 20 of 21

RL Reporting Limit

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

WO#: 2010B12

29-Oct-20

Client: Project:	Talon Art Chimayo	tesia 16 st 3									
Sample ID: 2	010b12-014ams	SampT	ype: M	S	Tes	tCode: El	PA Method	8015D Mod:	Gasoline	Range	Marif daga daga daga daga daga daga daga dag
Client ID: 1	7SW	Batch	n ID: 56	003	F	RunNo: 7	2903				
Prep Date:	10/23/2020	Analysis D	)ate: 10	0/25/2020	8	SeqNo: 2	562595	Units: mg/H	<g< td=""><td></td><td></td></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: 2	010b12-014amsd	SampT	ype: MS	SD	Tes	tCode: El	PA Method	8015D Mod:	Gasoline	Range	
Client ID: 1	7SW	Batch	n ID: 56	003	R	RunNo: 7	2903				
Prep Date:	10/23/2020	Analysis D	ate: 10	)/25/2020	S	SeqNo: 2	562596	Units: mg/H	٢g		
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 Lovel.
- 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

HALL ENVII ANAL LABO	RONMENTAL YSIS Ratory	Hall Environi TEL: 505-345 Website: clie	nemal Analysis Labor 4901 Hawki Albuquerque, NM 8 -3975 FAX: 505-345- nts.ballenvironmenta	utory 15 NE 17109 <b>San</b> 17107 1.com	nple Log-In Ch	eck List
Client Name:	Talon Artesia	Work Order Nu	mber: 2010B12		RcptNo: 1	
Received By:	Cheyenne Cason	10/23/2020 8:00:0	MA 00			
Completed By:	Erin Melendrez	10/23/2020 8:23:	35 AM			
Reviewed By:	SPA 10-23	, 20				
<u>Chain of Cus</u>	<u>tody</u>					
1. Is Chain of Ci	ustody complete?		Yes 🔽	No 🗌	Not Present	
2. How was the	sample delivered?		Client			
<u>Log In</u>						
<ol><li>Was an attem</li></ol>	pt made to cool the samp	les?	Yes 🗹	No 🗍	NA 🗌	
4, Were all samp	les received at a tempera	ture of >0° C to 6.0°C	Yes	No 🗹		
5. Sample(s) in p	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 (e	except VOA and ONG) pro	perly preserved?	Yes 🔽	No 🗌		
8. Was preservat	ive added to bottles?		Yes 🗋	No 🔽	NA 🗌	
9. Received at lea	ast 1 vial with headspace	<1/4" for AQ VOA?	Yes 🗌	No 🗋		
10. Were any sam	ple containers received br	oken?	Yes 🗌	No 🗹	# of preserved	
11. Does paperwor (Note discrepa	k match bottle labels?		Yes 🔽	No 🗌	for pH:	unless noted)
12 Are matrices co	prrectly identified on Chain	of Custody?	Yes 🔽	No 🗌	Adjusted?	uniced notaly
13. Is it clear what	analyses were requested?	,	Yes 🗹	No 🗔		1 .
14. Were all holding (If no, notify cu	g times able to be met? stomer for authorization.)		Yes 🗹	No 🗌	Checked by: SfC	10123/20
Special Handlii	ng (if applicable)			× 1,		
15. Was client noti	fied of all discrepancies w	ith this order?	Yes 🛄	No 🗌	NA 🗹	
Person N	lolified;	Date	<pre>////////////////////////////////////</pre>	na francfil na dhach a na 196 àn	· ·	
By Whon	n: { periodicate and a	Via:	🗌 eMail 🔛 Ph	one [] Fax	In Person	
Regardin Client Ins	g:   structions:	n an	nanana tara kata din sana kata da kata di		n de la companya de l	
16. Additional rem	arks:					
17. <u>Cooler Inform</u>	nation					
Cooler No	Temp °C Condition	Seal Intact Seal No	Seal Date	Signed By		
2	4.0 Good					
3	-0,6 Good			:		
Page 1 of 1						

Client: Talon LPE B Standard D Rush HALL ENVIRONMENT	il RV
	al. RY
408 W Texas St Project Name: Chimary 6 / 6 St 3	
Malling Address: Artesia, NM 88210 (ChimGro)	
Project #: 700 794, 349 01 4901 Hawkins NE - Albuquerque, NM 87109	
Phone #: Tel. 505-345-3975 Fax 505-345-4107	
email or Fax#: (575) 746-8905 Project Manager: & Sinclatic	
□ Standard □ Level 4 (Full Validation)	
Accreditation: $\Box$ Az Compliance Sampler: $Rey Rel $	
Date Time Matrix Sample Name	
$\frac{10/20/20}{1130} \frac{1130}{50i} \frac{3}{3} \frac{5}{2} \frac{1}{2} \frac{1}{$	
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12:20 515	
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Date: Time: Relinquished by: Received by: Vie: Date: Time: Relinquished by:	
18/22/24 1000 Frances Please cc the following via email	<u> </u>
Date: Time: Betinquished by: Received by: Via: Date Time Rpons@talonlpe.com Bill Devon	Direct
MIZHZA 190 M (N/ CON 101-21 000 0.250=02 -0.620=-0.6 W/6# 2083	6460

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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 11:39:24 AM

ومراجعه فستعتب والمتعادية والمتعاولات والمتعاد فستشار والتنا

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mail o	r Fax <b>#</b> :	(575)	746-8905		· · · · · · · · · · · · · · · · · · ·					1.1				га Миз	X DU:	5-34: 26006	5-410	।7 सन्दर्भका	100 million (100 million)		
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1	t necessary	, samplés sui	omitted to Hall Environmental may be sub	contracted to other		1012310	<u>1 0800</u>										<i>b</i>	\$∕5†7	- 208	362	16

الم المصيفة المستعن المنافعات

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ويحركونه وتستحديه والراجع والأفسوا والتحاج والمشتان

ومعتدة وتعتلا والد

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Released to Imaging: 7/21/2023 7:19:41 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

Hall Environmental Analy	usis Laboratory I	na		Analytical Report Lab Order 2011A42						
	ysis Laboratory, I	пс.		Date Reported: 11/25/2020						
CLIENT: Talon Artesia		Clie	nt Sample II	<b>D:</b> S-2 3'						
Project: Chimayo 16 St 3	Collection Date: 11/17/2020 10:30:00 AM									
Lab ID: 2011A42-001	Matrix: SOIL	R	eceived Dat	te: 11/20/2020 8:00:00 AM						
Analyses	Result	RL Q	Qual Units	DF Date Analyzed Ba	itch					
EPA METHOD 300.0: ANIONS				Analyst: MI	RA					
Chloride	270	60	mg/Kg	20 11/25/2020 3:40:29 AM 56	\$650					

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

Page 1 of 6

Hall Environmental Anal	ysis Laboratory, I	nc.	Analytical Report         Lab Order 2011A42         C.       Date Reported: 11/25/								
CLIENT: Talon Artesia		Clien	it Sample I	<b>D:</b> S-2 5'							
Project: Chimayo 16 St 3	Collection Date: 11/17/2020 10:45:00 AM										
Lab ID: 2011A42-002	Matrix: SOLL	Re	eceived Dat	Date: 11/20/2020 8:00:00 AM							
Analyses	Result	RL Q	ual Units	DF Date Analyzed	Batch						
EPA METHOD 300.0: ANIONS				Ana	lyst: MRA						
Chloride	130	60	mg/Kg	20 11/25/2020 4:42:30	AM 56650						

	٠	Value exceeds Maximum Contaminant Level.
--	---	------------------------------------------

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

Page 2 of 6

Qualifiers:

Hall Environmental Anal		Analytical Report Lab Order 2011A42 Date Reported: 11/25/2020				
CLIENT: Talon Artesia Project: Chimayo 16 St 3	Matrix: SOII	Clier Co	it Sample I llection Dat	D: S-2	2 10' /17/2020 10:55:00 A /20/2020 8:00:00 Ab	M
Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS Chloride	110	60	mg/Kg	20	Analy. 11/25/2020 4:54:55 A	st: <b>MRA</b> M 56650

٠	Value ex	ceeds Maxi	num Cont	aminant l	Level.

- 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	1000012501202	Analytical Report Lab Order 2011A42 Date Reported: 11/25/2020						
CLIENT: Talon Artesia	tent of an and a set of the set o	Cl	ient Sample II	D: S-	2 15'			
Project: Chimayo 16 St 3		(	<b>Collection Dat</b>	e: 11	/17/2020 11:05:00 A	M		
Lab ID: 2011A42-004	Matrix: SOIL		<b>Received Dat</b>	e: 11	/20/2020 8:00:00 AN	1		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analy	st: MRA		
Chloride	150	60	mg/Kg	20	11/25/2020 5:07:19 A	M 56650		

Qualifiers:	٠	Value exceeds Maximum Contaminant Level.
-------------	---	------------------------------------------

- D Sample Diluted Due to Matrix H Holding times for preparation or analysis exceeded
- D Not Detected at the Reporting Limit
- ND Not Detected at the Reporti 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 6

				Analytical Report				
		Lab Order 2011A42						
Hall Environmental Anal	Date Reported: 11/25/2020							
CLIENT: Talon Artesia		Clien	t Sample I	<b>D:</b> S-2	2 20'			
Project: Chimayo 16 St 3		Col	Collection Date: 11/17/2020 11:20:00 AM					
Lab ID: 2011A42-005	Matrix: SOIL	Re	ceived Dat	e: 11/	/20/2020 8:00:00 AN	1		
Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analy	st: MRA		
Chloride	180	60	mg/Kg	20	11/25/2020 5:19:43 A	M 56650		

Qualifiers:	•	Value exceeds Maximum Contaminant Level	в	Analyte detected in the associated Method Blank	
<b>.</b>	D Sample Diluted Due to Matrix			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 6
	PQL Practical Quanitative Limit		RL	Reporting Limit	Page 5 01 0
	S	% Recovery outside of range due to dilution or matrix			

## QC SUMMARY REPORT

#### Hall Environmental Analysis Laboratory, Inc.

WO#: 2011A42

25-Nov-20

Client: Project:	Talon A Chimaye	rtesia o 16 St 3										
Sample ID: MB-56650 SampType: mblk				TestCode: EPA Method 300.0: Anions								
Client ID:	PBS	Batch ID: 56650				RunNo: <b>73617</b>						
Prep Date:	11/24/2020	Analysis E	Date: 1	1/25/2020	8	SegNo: 2	594136	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	SampT	ype: Ics	\$	TestCode: EPA Method 300.0: Anions							
Client ID:	LCSS	Batch	n ID: 56	650	F	RunNo: 7	3617					
Prep Date:	11/24/2020	Analysis D	ate: 1	1/25/2020	9	eqNo: 2	594137	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	91.8	90	110				

Qualifiers:

- \* Value exceeds Maximum Contaminant Lovel.
- 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 Е
- Analyte detected below quantitation limits J Sample pH Not In Range Р
- RL Reporting Limit

Page 6 of 6

HALL ENVIRO ANALYS LABORA	NMENTAL IS TORY	Hall Environn TEL: 505-345 Website che	ieutal Analysis Labor -1901 Hawku Albuquerque, NM 8 -3975 FAX: 505-345- nts.hulleuvironmenta	aiony 18 NA 17109 <b>Sar</b> 14107 Leom	Sample Log-In Check List							
Client Name: T	alon Artesia	Work Order Nur	mber: 2011A42		RcptNo: 1							
Received By: S	Sean Livingston	11/20/2020 8:00:0	00 AM	S.L.	sol-							
Completed By: E	črin Melendrez	11/20/2020 8:32:3	6 AM		f.							
Reviewed By:	R 11/20/20											
Chain of Custoc	<u>ly</u>											
1. Is Chain of Custo	dy complete?		Yes 🗹	Νο 🗌	Not Present							
2. How was the san	nple delivered?		Courier									
<u>Log In</u> 3. Was an attempt r	nade to cool the samples?	,	Yes ✔	No 🗌	NA 🗍							
4. Were all samples	received at a temperature	of >0° C to 6.0°C	Yes 🗌 <u>Sample not f</u>	No 🗹								
5. Sample(s) in prop	er container(s)?		Yes 🗹	No 🛄								
6, Sufficient sample v	volume for indicated test(s	)?	Yes 🔽	No 🗌								
7, Are samples (exce	pt VOA and ONG) proper	y preserved?	Yes 🗹	No 🗌								
8. Was preservative a	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	n?	Yes 🗋	No 🔽	# of preserved							
11. Does paperwork m (Note discrepancie	atch bottle labels? s on chain of custody)		Yes 🔽	No 🗌	for pH; (<2 or >12 unless noted)							
12. Are matrices correc	ctly identified on Chain of	Custody?	Yes 🗹	No 🗌	Adjusted?							
13. Is it clear what anal	lyses were requested?		Yes 🗹	No 🗌								
(If no, notify custon	nes able to be met? ner for authorization.)		Yes 🗹	No 📙	Checked by: 5 Cr C (1/26/24							
Special Handling	(if applicable)											
15. Was client notified	of all discrepancies with t	his order?	Yes 🗌	No 🗌	NA 🔽							
Person Notifi	ed:	Date:	$\frac{1}{2} \left\{ \left\{ (x_{1},y_{2},y_{3}),(y_{1},y_{2},y_{3}),(y_{2},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y_{3},y_{3}),(y$	erte en al liver								
By Whom: Regarding:	en e	•	eMail 🗌 Pho	one 🗍 Fax (	] In Person							
Client Instruc	nons:											
10. Additional remarks	):											
17. <u>Cooler Informatic</u> Cooler No Te 1 -0.7	<u>n</u> mp ⁰C Condition Se Good	al Intacl Seal No	Seal Date S	igned By								

Page 1 of 1

Chain-of-Custody Record			Turn-Around Time:					জিয়ন															
Client:	Client:				- 7-DMY				1797 1797	200042		HA		E.	NV	/IF	20	NN	1EI	VT/	AL		
	incon				Project Name:				2004 8497		ļ	AN	AL	Y	SIS	SL	AF	301	RA	ТО	RY		
Mailing	Address				_				www.hallenvironmental.com														
408 al. TEXAS ANE			CHI	MAYO	) 16 ST. =	3			4901 Hawkins NE - Albuquerque, NM 87109														
_ARTS	<u> 518</u>	WM 9	8210		Projeci	t#:					Tel. 505-345-3975 Eav. 505-345-4107												
Phone #: 575-746-2769				700	<u> 194.</u>	349.01			Analysis Request														
email c	or Fax#:				Project	t Mana	ager:				Ô					04			÷				
QA/QC	Package:									302	MR	3's		AS		ť, Ś			sen				
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Accred	itation:		ompliance	Э	Sample	er: M	ICHAEL CA	DLIER	-	M B	DR	082	÷	327(		0 <sub>2</sub> ,			sen				
	AC ) (Type)		ſ		On Ice:		D/Yes	🗆 No			20	s/8	504	or	ى ە	γ,		(A)	(Pre				
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Dete	Time	B.4 - 13	0	(- ) (	Contair	ner	Preservative	L F	EAL No.	Ш	H:8(	31 F	B ()	Hs F	RA	ц	00	0(0	alC				
Date	rime	Matrix	Isampi		Type a	nd #	Туре	10511/	142	<u> </u>	L L	80	Ш	PA	ЧС С	්	826	827	Tot				
11-17-20	<u>in:30</u>	SOIL	5-2	<u> </u>	GLASS	Ľ	ICELCOOL	$\left -10\right\rangle$															
	10:45	*16. <sub>17</sub>	5-2		Ţ		Í	-0N7								/							
	10:55	and the second se	5-2	<u>/o'</u>	A PINY PRO			-007	)														<u> </u>
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1/19/20	M19/20 1900 GAMAN			SGL	د د	Siller	11/24	20 8.00	W	n≠	÷ ;	20.	83	i, 4	60			_		70 -			
If necessary samples submitted to kell the internet				·····				$\underline{t}$	<i>\(\cup_{1}, \cup_{1}, \cu</i>				× 1	4 0		ATT	TAY"	TOA	1 54	NIA Y	5		

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.

Received by OCD: 7/13/2023 11:39:24 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.

TELEPHONE NO .: 405-236-4257

14

*Page 143 of 144* 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
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 $370^{\circ}$ yd <sup>3</sup> / bbls Known Volume (to be entered by the operator at the end of the haul) $1/3.270^{\circ}$ yd <sup>3</sup> / bbls
5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS
Rebecca Pons
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 I Monthly I Weekly Per Load
RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by 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. (Check 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:
OCD 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 TITLE: Manager DATE: 9

A

SIGNATURE:

Released to Imaging: 7/21/2023 7:19:41 AM

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: 0	OGRID:
RAYBAW Operating, LLC	330220
2626 Cole Avenue	Action Number:
Dallas, TX 75204	239627
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

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 does not meet the most stringent closure standards/reclamation standards.	7/20/2023
bhall	Soil excavated from below 2 feet cannot be used for backfill.	7/20/2023
bhall	No soil blending is allowed.	7/20/2023
bhall	Include copies of all field notes and sampling procedures in the closure report.	7/20/2023
bhall	Variance request of 5-point composite confrmation samples representative of no more than 500 square feet approved.	7/20/2023
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 239627