

ROBERT W. RAUP Supervisor HSE (539) 573-7314 bob.raup@wpxenergy.com

October 30, 2019

New Mexico Oil Conservation Division 1220 S. St. Francis Dr. #3 Santa Fe, NM 87505

RE: Remediation and Closure Report – East Pecos Federal Com 22 #0006H API # 30-015-42281 NMOCD Remediation Case # 2RP-4577

To whom this may concern:

WPX Energy Permian, LLC (WPX) is submitting the attached Remediation and Closure Report (Final Report) for a spill incident that occurred on December 31, 2017. The Final Report was initially submitted to the New Mexico Oil Conservation Division (NMOCD) – Artesia Office on December 14, 2018. WPX is awaiting a response from NMOCD regarding the Final Report's status.

The initial C-141 Notification, approved Soil Assessment and Remediation Work Plan, and NMOCD / WPX email chain are all located in the Well Files of the NMOCD website. WPX is requesting closure of this Final Report from NMOCD and is submitting through the online portal in hopes of expediting the process.

Please do not hesitate to contact me should you have any questions or comments.

Thank you,

Robert W. Raup II HSE Supervisor

Net w Ms

WPX Energy Permian, LLC

Attachment: Talon LPE – Remediation and Closure Report







talonipe.com • 866.742.0742



Remediation and Closure Report

East Pecos Federal Com 22 #006H API # 30-015-42281 * 2RP-4577 Talon Project No. 702331.001.01

Prepared For:

WPX Energy 5315 Buena Vista Drive Carlsbad, New Mexico 88220

Prepared By:

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

November 30, 2018

Received by OCD: 10/30/2019 3:03:07 PM

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

Subject:

Remediation and Closure Report

East Pecos Federal Com 22 #006H API # 30-015-42281 * 2RP-4577

Dear Mr. Bratcher,

WPX Energy (WPX) has contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The incident description, soil sampling results, remediation activities and closure request are submitted herein.

Site Information

The East Pecos Federal Com 22 #006H is located approximately seventy-five (75) miles south of Artesia, New Mexico. The legal location for this release is Unit Letter B, Section 27, Township 26 South and Range 29 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.019925 North and -103.968057 West.

According to the soil survey provided by the United States Department of Agriculture National Resources Conservation Services (NRCS) the soil in this area is made up of Upton-Simona complex, 1 to 15 percent slopes, eroded. The local surface and shallow geology, Paleozoic Age sedimentary deposits, is comprised of the Upper Permian Group Quartermaster and Rustler formations, which are made up of residuum weathered limestone under lain by very gravely loam and hard caliches. Drainage courses in this area are normally dry.

Ground Water and Site Ranking

The New Mexico Office of the State Engineer database indicates there is no published groundwater information within 5,000 meters of the release area. However, according to the Chevron Texaco Groundwater Trend Map, the groundwater in this area is between 50 to 100 feet below ground surface.

Therefore the ranking for this site is a 10 based on the following:

Depth to ground water 50-100' Wellhead Protection Area >1000' Distance to surface water body >1000'

Based upon the site ranking of 10, NMOCD Recommended Remedial Action Levels (RRALs) at the time of this release were 50 mg/kg for BTEX, 10 mg/kg for Benzene, 1,000 mg/kg for TPH and 600 mg/kg Total Chlorides.

Received by OCD: 10/30/2019 3:03:07 PM

Incident Description

On December 31, 2017, a valve failed resulting in the release of approximately 230 bbls of produced water. A vacuum truck was immediately called to the location and recovered 180 barrels of fluid. The GPS coordinates of 32.019925 N, -103.968057 W are the initial point of release. The produced water flowed down gradient to the south along the existing pipeline right-of-way approximately 1,050-feet. The fluid pooled at the end of the ROW in a low spot where the pipeline and lease road intersect. The release then flowed eastward along the pipeline for approximately 800-feet as represented on the attached site plan presented in Appendix I. Site photographs are attached in Appendix II.

Remedial Actions

Talon mobilized personnel to conduct initial remediation activities and complete a site assessment. A remediation work plan was generated and subsequently approved by the New Mexico Oil Conservation Division (NMOCD).

Excavation activities were carried out in the impacted areas as described in the work plan. Field titrations for chlorides were continuously utilized to test the sidewalls of the excavation throughout the release area in order to guide the horizontal and vertical extent of the excavation. Once the field screening results indicated the chloride levels to be less than 600 mg/kg, confirmation samples were collected and sent for laboratory analysis.

The excavation was expanded as necessary, based on field and analytical results, until sidewall samples were shown to be less than 600 mg/kg by laboratory analysis. All excavated soil was transported to R360, a NMOCD approved solid waste facility. The bottom of the excavation was lined with a 20-mil liner where required (a 4-foot excavation with chlorides >600 mg/kg). NMOCD approval was obtained prior to backfill activities. Final excavation depths, sampling locations and liner areas are illustrated on the site plan.

Confirmation sampling results are presented in data tables, Appendix IV, and the complete laboratory reports are attached in Appendix V.

Remediation Summary

- All remediation activities were completed pursuant to the approved work plan and additional NMOCD stipulations.
- All excavated soil was transported to R360 Waste Disposal Facility, a NMOCD approved solid waste disposal facility.
- Confirmation sidewall and bottom samples were collected at previously sampled locations along the north/south leg of the flow path.
- Confirmation sidewall and bottom samples were collected at 50' intervals along the east/west leg of the impacted area, as stipulated by NMOCD.

Received by OCD: 10/30/2019 3:03:07 PM

- Additional care was taken regarding the safety of field personnel during the excavation of the north/south flow path due to the presence of a high-pressure gas line (see site plan).
- 20-mil liners were installed in the vicinities of S-6 through S-9, S-11 through S-13, S-18 through S-19, S-23 and S-25 through S-26, as proposed in the work plan.
- All other areas impacted by this release were excavated to the specified depths outlined in the NMOCD approved work plan, or modified (generally expanded) based on analytical data obtained during remedial actions.
- The excavated area was backfilled with locally obtained top soil, contoured to match the local terrain and seeded using the recommended BLM seed mixture.

Closure

On behalf of WPX Energy, we respectfully request that no further actions be required and that closure with respect to the release be granted. A Final C-141 is also attached. See Appendix III.

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

Respectfully submitted,

TALON/LPE

Chris Jones
Project Manager

3

David J. Adkins District Manager

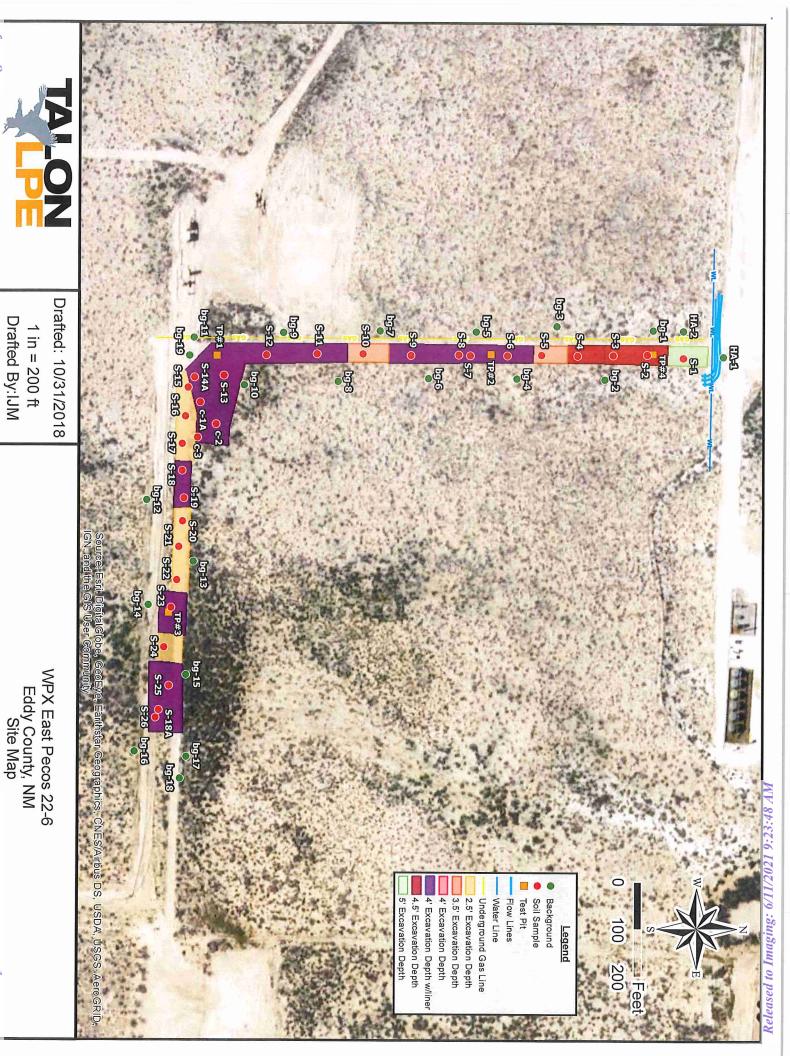
Attachments

Appendix I Site Plan Appendix II Photographs Appendix III Final C-141

Appendix IV Laboratory Data Tables Appendix V Laboratory Reports

APPENDIX I

SITE PLAN



Received by OC.

Received by OCD: 10/30/2019 3:03:07 PM

APPENDIX II PHOTOGRAPHS

Initial Photos



Release Point facing southward



Flow path facing northward

Received by OCD: 10/30/2019 3:03:07 PM



Flow path westward view



Flow path westward view

Excavation Photos







Liner Installation





Drone Images







Backfilled Excavations



APPENDIX III

FINAL C-141

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

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised April 3, 2017

Released to Imaging: 6/11/2021 9:23:48 AM

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

			Rel	ease Notifi	catio	n and Co	orrective A	ction	1			
						OPERA'	ГOR		Initi	al Report	\boxtimes	Final Repor
		KI Explorat				Contact Ja						
		Federal #00		, NM 88220		Telephone 1	No. 575-689-7 be Production	597				
				3.6' 1.6		XXX	Troduction		1 2222			
Surface Ow	mer Fede	ral		Mineral (Jwner_	Federal			API No	0. 30-015-2	24875	
r				·		N OF RE						
Unit Letter P	Section 27	Township 26S	Range 29E	Feet from the 690'	North FSL	/South Line	Feet from the 660'	East/\(\gamma\) FEL	West Line	County Eddy		
			Latitu	de 32.0199961		_		NAD8	33			
		1 777		NAT	TURE	OF REL						
Type of Rele Source of Re				-			Release 10 bbls four of Occurrence	Δ		Recovered 2 Hour of Dis		
) 10:20AM			@ 10:30 AN		
Was Immedi	ate Notice (Yes [] No 🗌 Not R	equired	If YES, To Artesia Dis	Whom? strict I, NMOCD-	Mike E	Bratcher/ Sh	elly Tucker		
By Whom?							our 7/5/2018 @ 3					
Was a Water	course Reac	hed?	Yes 🗵] No		If YES, Vo	lume Impacting th	he Wate	ercourse,			
If a Watercon	irce was Im	nacted Descri										The later and th
Describe Are Spill occurre The landown collected to c Excavation a characterizat	he pipeline ed and was a Affected a d just off-sit er was conti- confirm clea ctivities are ion and clos	header began able to recove and Cleanup A se on pipeline acted regardin nup was comp completed an ure report is a	to leak dur 2 bbls of Taketion Take ROW at a g the released confirm ttached.	ring a transfer of f fluids. cen.* pp 32.019996, -1 ase. Talon/LPE c excavated area wa ation bottom and WPX Energy is re	03.9678 carried o as backfi sidewal espectful	74. Fluids im ut immediate illed with clea I samples are lly requesting	solated and the flat pacted area near heesponse and exca n soil and was cor in compliance with	neader a vation ntoured h NMC cident.	and flowed of the conta to match th OCD RRAI	downhill on aminated soine surroundi L's. A forma	to priva il, samp ng land al site	ate land. des were scape.
regulations a public health should their	II operators or the envir operations h nment. In a	are required to conment. The ave failed to a ddition, NMO	report ar acceptanc dequately CD accep	nd/or file certain r se of a C-141 repo investigate and r	elease n ort by th emediat	otifications ar e NMOCD ma e contamination	knowledge and ur ad perform correct arked as "Final Re on that pose a thre e the operator of re	ive act port" d at to gi	ions for rele loes not reli ound water	eases which eve the oper s, surface wa	may en ator of ter, hur	danger liability nan health
			1				OIL CONS	SERV	ATION	DIVISIO	<u>N</u>	
Signature: ,	Jun	Kali				Ammorrod her	Parriaga and Su	! . 1 ! !	Bra	dford	l Bu	Elings
Printed Name	e: James Ra	ley				Approved by	Environmental Sp	ecialisi	:: 	0		0
Title: Enviro	nmental Spe	ecialist				Approval Dat	e: 06/11/30	21]	Expiration I	Date:		
E-mail Addre	ess: james.r	aley@wpxene	rgy.com			Conditions of	Approval:			Attached		
Date: 8/30/ Attach Addi		ets If Necessa		5-689-7597								

Received by OCD: 10/30/2019 3:03:07 PM

Released to Imaging: 6/11/2021 9:23:48 AM

APPENDIX IV LABORATORY DATA TABLES

WPX Energy East Pecos 22-6

Sample Date: 5/25			
Sample ID	Depth (feet)	Chlorides (mg/kg)	Notes
S-6	2.5	5100	
· · · · · · · · · · · · · · · · · · ·	land the second		
S-9	4	460	
S-9	4 East Sidewall	ND	
S-9	4 West Sidewall	ND	
S-26	4	ND	
S-24	2.5	ND	
(ND)-Not Detected	; (-)-Analyte not sample	ed	
Sample Date: 5/30/	18		
Sample ID	Depth (feet)	Chlorides (mg/kg)	
S-21	2	ND	
S-22	2.5	140	
S-23	4	4000	
S-23	5	340	
S-25	4	5600	
S-25	5	230	
(ND)-Not Detected	; (-)-Analyte not sample		
Sample Date: 5/31/	18		
7			
Sample ID	Depth (feet)	Chlorides (mg/kg)	
S-18A	14	310	S-18 further vertical delineation
S-18A	16	130	samples from work plan
S-18A	18	ND	complete from north pidit
		1,2	
S-14A	14	300	S-14 further vertical delineation
S-14A	15	370	samples from work plan
~	10	370	samples from work plaif
C-1A	14	4400	C-1 further vertical delineation
C-1A	16	580	samples from work plan
C-1A	18	240	samples from work plan
C-IA	10	240	
S-17	2	ND	
D-T /	2 South Sidewall	77	
C 17	2 South Sidewall		
S-17	2 Mostle Cid11		
S-17 S-17	2 North Sidewall	390	
S-17			
S-17 S-18	2	750	
S-17			

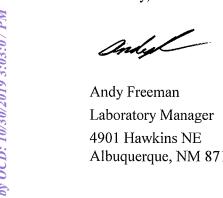
Sample ID	Depth (feet)	Chlorides (mg/kg)	
S-19	3.5	1000	
S-19	2 North Sidewall	1500	
S-19	2 South Sidewall	520	
S-20	3.5	46	
S-20	3.5 North Sidewall	ND	
S-20	3.5 South Sidewall	ND	
S-21	2 North Sidewall	190	
S-21	2 South Sidewall	620	
S-22	2.5 North Sidewall	250	
S-22	2.5 South Sidewall	ND	
S-23	4 North Sidewall	ND	
S-23	4 South Sidewall	2800	
S-24	2.5 North Sidewall	ND	
S-24	2.5 South Sidewall	ND	
S-25	4 North Sidewall	110	
S-25	4 South Sidewall	ND	
S-26	4 North Sidewall	81	
S-26	4South Sidewall	ND	
(ND)-Not Detected	d; (-)-Analyte not sample	d	
0 1 5 2/2/			
Sample Date: 6/6/	18		
Sample ID	Depth (feet)	Chlorides (mg/kg)	
S-1	4.5 North Sidewall	730	
S-1	4.5 East Sidewall	1000	
S-1	4.5 West Sidewall	420	
S-2	3.5 East Sidewall	560	
S-2	3.5 West Sidewall	960	
S-3	3.5 West Sidewall	350	
S-4	4.5	190	
S-4	4.5 East Sidewall	810	
~ -			
S-5	3.5	320	
S-5	3.5 East Sidewall	650	
S-5	3.5 West Sidewall	820	

	I		
C- 1 TD	D (1 (6))	CH II	
Sample ID	Depth (feet)	Chlorides (mg/kg)	
S-8	4 West Sidewall	450	
S-10	3.5	340	
S-10	3.5 East Sidewall	790	
S-10	3.5 West Sidewall	220	
S-11	4	590	
S-11	4 East Sidewall	290	
S-11	4 West Sidewall	300	
S-12	3.5	840	
S-12	3.5 East Sidewall	ND	
S-12	3.5 West Sidewall	ND	
			`
S-13	4	1000	
S-13	4 East Sidewall	2100	
S-13	4 West Sidewall	710	
2 10	/ // est side wan	710	
S-14	2	ND	
9-1-1	2	ND	
S-15	2	880	
5-13	2	000	
S-16	2	040	
3-10	<u> </u>	940	
Cample Date: (/20/	710		
Sample Date: 6/29/	18		
C1-TD	D (1 (6))		
Sample ID	Depth (feet)	Chlorides (mg/kg)	
S-1	4.5 East Sidewall	560	****
S-3	3.5 East Sidewall	512	
S-4	4.5 East Sidewall	592	
S-4	4.5 West Sidewall	480	
S-5	3.5	496	
S-5	3.5 West Sidewall	336	
S-6	6	368	
S-6	7	464	
S-6	4 West Sidewall	256	
S-7	4 West Sidewall	96	
-		, ,	·
S-8	4 East Sidewall	128	
S-8	4 West Sidewall	416	
.7-0		TIU	

1	
₩.	
~	
00	
\simeq	
4	
<u>ښ</u>	
Z.	
a	
٠.	
0	
_ `	
O	
0	
\sim	
₹.,4	
-	
(7	
8	
6	
$\tilde{\cdot}$	
19: (
ng: (
ing: (
ging: (
aging: (
naging: (
aging: (
Imaging: (
o Imaging: (
naging: (
to Imaging: (
d to Imaging: (
ed to Imaging: (
sed to Imaging: (
ed to Imaging: (
sed to Imaging: (
sed to Imaging: (
eleased to Imaging: (
sed to Imaging: (

Sample ID	Depth (feet)	Chlorides (mg/kg)	
S-10	3.5 East Sidewall	224	
S-14	2.5	32	
S-14	2.5 East Sidewall	96	
S-14	2.5 West Sidewall	32	
S-15	2.5	32	
S-15	2.5 East Sidewall	560	
S-15	2.5 West Sidewall	64	
S-16	2.5	32	
S-16	2.5 North Sidewall	80	
S-16	2.5 South Sidewall	1760	
S-18	5	1180	
S-18	7	1220	
S-18	10	32	
Sample ID **	Depth (feet)	Chlorides (mg/kg)	
1-1A-1	0.5	272	Lab identification error from COC
			Hand Auger sample locations
1-1A-2	0.5	144	
Hand Auger san	nples HA-1 and HA-2.		
mple Date: 7/11	/18		
Sample ID	Depth (feet)	Chlorides (mg/kg)	
S-2	3.5 West Sidewall	208	
S-16	2.5 South Sidewall	96	

APPENDIX V LABORATORY REPORTS





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

Talon Artesia 408 West Texas Ave Artesia, NM 88210

June 11, 2018

David Adkins

TEL: (806) 467-0607 FAX (806) 467-0622

RE: East Pecos 22

OrderNo.: 1805F95

Dear David Adkins:

Hall Environmental Analysis Laboratory received 6 sample(s) on 5/31/2018 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,

Albuquerque, NM 87109

Analytical Report

Lab Order: 1805F95

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/11/2018

the second secon	······································	,			CONTRACTOR OF THE PARTY OF THE		p o		, = 0 10	
	Talon Artesia Bast Pecos 22				I	∟ab (Order:	18051	F95	
Lab ID:	1805F95-001		(Collect	ion Date	: 5/	25/2018 11:0	05:00 /	AM	
Client Sample ID:	S-6 2.5'				Matrix	: SC	OIL			
Analyses		Result	PQL	Qual	Units	DF	Date Anal	yzed	Ba	tch ID
EPA METHOD 300).0: ANIONS							Ana	alvst:	MRA
Chloride		5100	300		mg/Kg	20	0 6/7/2018 3:		•	38484
Lab ID:	1805F95-002		C	Collecti	ion Date	: 5/2	25/2018 11:3	30:00 <i>I</i>	AΜ	
Client Sample ID:	S-9 4'				Matrix	: SC	DIL			
Analyses		Result	PQL	Qual	Units	DF	Date Anal	yzed	Bat	tch ID
EPA METHOD 300 Chloride	0.0: ANIONS	460	30		mg/Kg	20	6/5/2018 5:		•	MRA 38484
Lab ID:	1805F95-003		C	'allecti	on Date	• 5/	25/2018 11:3	22:00 /	\M	
Client Sample ID:				oneci	Matrix			.2.00 F	7141	
Analyses		Result	PQL	Qual			Date Analy	yzed	Bat	ch ID
EPA METHOD 300 Chloride	.0: ANIONS	ND	30		mg/Kg	20	6/5/2018 5:		alyst: M	MRA 38484
Lab ID:	1805F95-004		C	ollecti	on Date	: 5/2	25/2018 11:3	4.00 /	M	
Client Sample ID:					Matrix			1.00 1	1171	
Analyses		Result	PQL	Qual	Units	DF	Date Analy	yzed	Bat	ch ID
EPA METHOD 300 Chloride	.0: ANIONS	ND	30		mg/Kg	20	6/5/2018 5:3		ılyst: M	MRA 38484
Lab ID:	1805F95-005		C	ollecti	on Date	: 5/2	25/2018 12:0	0:00 P	M	
Client Sample ID:	S-26 4'				Matrix					
Analyses		Result	PQL	Qual			Date Analy	/zed	Bat	ch ID
EPA METHOD 300 Chloride	.0: ANIONS	ND	30		mg/Kg	20	6/5/2018 5:4		lyst: M	MRA 38484

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

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 3
- P Sample pH Not In Range
- RL Reporting Detection Limit

Analytical Report

Lab Order: 1805F95

Date Reported: 6/11/2018

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia Lab Order: 1805F95 **Project:** East Pecos 22 Lab ID: 1805F95-006 Collection Date: 5/25/2018 12:30:00 PM Client Sample ID: S-24 2.5' Matrix: SOIL Analyses Result PQL Qual Units DF Date Analyzed **Batch ID EPA METHOD 300.0: ANIONS** Analyst: MRA Chloride ND 30 mg/Kg 6/5/2018 6:20:42 PM 38484

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
- Η Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

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

Page 2 of 3

Client:

Project:

Chloride

WO#:

1805F95

11-Jun-18

Talon Artesia

Sample ID MB-38484 SampType: mblk TestCode: EPA Method 300.0: Anions Client ID: PBS Batch ID: 38484 RunNo: 51782

Prep Date: Analysis Date: 6/5/2018 6/5/2018 SeqNo: 1690475 Units: mg/Kg

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

Chloride ND 1.5

QC SUMMARY REPORT

East Pecos 22

Hall Environmental Analysis Laboratory, Inc.

Sample ID LCS-38484 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 38484 RunNo: 51782

1.5

14

Prep Date: 6/5/2018 Analysis Date: 6/5/2018 SeqNo: 1690476 Units: mg/Kg

15.00

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

93.8

90

110

Qualifiers:

Received by OCD: 10/30/2019 3:03:07 PM

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

В Analyte detected in the associated Method Blank

Е Value above quantitation range

Analyte detected below quantitation limits

P Sample pH Not In Range

RLReporting Detection Limit

Sample container temperature is out of limit as specified

Page 3 of 3



Hall Environmental Analysis Laboratory

4901 Hawkins NE Albuquerque, NM 87109

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

Sample Log-In Check List

Released to Imaging: 6/11/2021 9:23:48 AM

Client Name:	Talon LPE	Work Order Num	ber: 1805F95		RoptNo: 1						
Received By:	Jazzmine Burkhead	5/31/2018 9:50:00	АМ	# 17. Cg		-					
Completed By:	Erin Melendrez	5/31/2018 11:11:14	4 AM	MA	- プ						
Reviewed By:	ZO	5/21/19		, ,							
LB:	LW.										
Chain of Cus	tody										
1. Is Chain of Co	ustody complete?		Yes 🔽	No	Not Present						
2. How was the	sample delivered?		Courier								
Log In						•					
3. Was an attern	npt made to cool the sample	s?	Yes 🔽	No 🗔	NA 🗔						
4. Were all samp	oles received at a temperatu	re of >0° C to 6.0°C	Yes _	No 🗹	NA 🗔						
5. Sample(s) in p	proper container(s)?		Yes 🔀	No 🗀							
6. Sufficient sam	ple volume for indicated tes	(s)?	Yes 🔽	No 🗌							
7. Are samples (except VOA and ONG) prop	erly preserved?	Yes 🗹	No 🗀							
8. Was preservat	tive added to bottles?		Yes	No 🗹	NA 🗌						
9. VOA vials have	e zero headspace?		Yes 🗀	No 🗌	No VOA Vials 🗹						
10, Were any sam	nple containers received bro	ken?	Yes	No 🗸	# of proposed						
			genera		# of preserved bottles checked						
	ork match bottle labels? Incies on chain of custody)		Yes 🔽	No 🗔	for pH: (<2 or >1	2 unless noted)					
	orrectly identified on Chain	of Custody?	Yes 🗸	No 🗔	Adjusted?						
	analyses were requested?		Yes 🔽	No 🗀							
	ng times able to be met? ustomer for authorization.)		Yes 🔽	No 🗔	Checked by:						
Special Handli	ing (if applicable)				-						
15. Was client not	tified of all discrepancies wit	h this order?	Yes _	No	NA 🔽						
Person I	Notified:	 Date:		Constitution of the Consti							
By Who	m:	Via:	,	hone T Fax	In Person						
Regardi	ng:				THE RESIDENCE OF THE PARTY OF T						
Client In	structions:		5-10-00-00-00-00-00-00-00-00-00-00-00-00-		COMMENT OF THE PROPERTY OF THE						
16. Additional ren	narks:				•						
17. <u>Cooler Inforr</u>	mation										
Cooler No	Temp °C Condition	Seal Intact Seal No	Seal Date	Signed By		-					
1	9.6 Good Y	es	!								

|--|



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

OrderNo.: 1806016

June 11, 2018

David Adkins
Talon LPE
408 West Texas Ave
Artesia, NM 88210
TEL: (806) 467-0607
FAX (806) 467-0622

RE: East Pecos 22

Dear David Adkins:

Hall Environmental Analysis Laboratory received 6 sample(s) on 6/1/2018 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Received by OCD: 10/30/2019 3:03:07 PM

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order: 1806016

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/11/2018

	Calon LPE Cast Pecos 22				L	ab C	Order:	18060	016	
Lab ID: Client Sample ID:	1806016-001 S-21 _. 2'		C	ollecti	on Date Matrix		30/2018 1:0 DIL	0:00 P	M	
Analyses		Result	PQL	Qual	Units	DF	Date Ana	lyzed	Batch I	D
EPA METHOD 300	.0: ANIONS							Ana	alyst: MRA	.
Chloride		ND	30		mg/Kg	20	6/6/2018 1	:54:57 P	M 3851	4
Lab ID:	1806016-002		C	ollecti	on Date	: 5/3	30/2018 1:0	5:00 PI	M	
Client Sample ID:	S-22 2.5'				Matrix	: SC)IL			
Analyses		Result	PQL	Qual	Units	DF	Date Ana	lyzed	Batch I	D
EPA METHOD 300 Chloride	0.0: ANIONS	140	30		mg/Kg	20	6/6/2018 2		alyst: MR<i>A</i> M 3851	
Lab ID:	1806016-003		C	ollecti	on Date	: 5/3	30/2018 1:1	0:00 PN	M	No.
Client Sample ID:	S-23 4'				Matrix	: SC	OIL			
Analyses		Result	PQL	Qual	Units	DF	Date Ana	lyzed	Batch I	D
EPA METHOD 300 Chloride	0.0: ANIONS	4000	150		mg/Kg	100	0 6/8/2018 9		alyst: MR<i>A</i> .M 3851	
Lab ID:	1806016-004	And the second s	C	ollecti	on Date	: 5/3	30/2018 1:1	2:00 PN	Л	
Client Sample ID:	S-23 5'				Matrix	: SC	OIL			
Analyses		Result	PQL	Qual	Units	DF	Date Ana	lyzed	Batch I	D
EPA METHOD 300 Chloride	0.0: ANIONS	340	30		mg/Kg	20	6/6/2018 3		alyst: MRA M 3851	
Lab ID:	1806016-005		С	ollecti	on Date	: 5/3	30/2018 1:2	:0:00 PN	Л	_
Client Sample ID:	S-25 4'				Matrix	: SC	DIL			
Analyses		Result	PQL	Qual	Units	DF	Date Ana	lyzed	Batch I	D
EPA METHOD 300	0.0: ANIONS							Ana	alyst: MRA	١
Chloride		5600	300		mg/Kg	200	0 6/8/2018 9		•	

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
- Η Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits J
- Sample pH Not In Range
- Page 1 of 3
- P
- Reporting Detection Limit

Analytical Report

Lab Order: 1806016

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/11/2018

CLIENT:

Talon LPE

Lab Order:

1806016

Project:

East Pecos 22

Lab ID:

1806016-006

Collection Date: 5/30/2018 1:24:00 PM

Matrix: SOIL

Analyses

PQL Qual Units DF Date Analyzed

Batch ID

EPA METHOD 300.0: ANIONS

Client Sample ID: S-25 5'

Analyst: MRA

Chloride

230

Result

30

mg/Kg

20 6/6/2018 3:46:38 PM

38514

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
- Η Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit PQL

- Analyte detected in the associated Method Blank
- Value above quantitation range
- J Analyte detected below quantitation limits

Page 2 of 3

- P Sample pH Not In Range
- Reporting Detection Limit

Client:

Project:

Sample ID

Client ID:

Prep Date:

Analyte

Client ID:

Prep Date:

Analyte

Chloride

Chloride

MB-38514

6/6/2018

PBS

Sample ID LCS-38514

LCSS

6/6/2018

QC SUMMARY REPORT

Talon LPE

East Pecos 22

Hall Environmental Analysis Laboratory, Inc.

Result

Result

14

ND

SampType: mblk

Batch ID: 38514

Analysis Date: 6/6/2018

SampType: Ics

Batch ID: 38514

Analysis Date: 6/6/2018

PQL

1.5

PQL

Qualifiers: Η

Received by OCD: 10/30/2019 3:03:07 PM

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

В Analyte detected in the associated Method Blank

TestCode: EPA Method 300.0: Anions

TestCode: EPA Method 300.0: Anions

LowLimit

90

Units: mg/Kg

Units: mg/Kg

110

HighLimit

%RPD

%RPD

HighLimit

RunNo: 51801

RunNo: 51801

%REC

93.2

SeqNo: 1691641

SPK value SPK Ref Val %REC LowLimit

SPK value SPK Ref Val

15.00

SeqNo: 1691640

Value above quantitation range

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Detection Limit

Sample container temperature is out of limit as specified

WO#:

RPDLimit

RPDLimit

Page 3 of 3

1806016

11-Jun-18

Qual

Qual





Hall Environmental Analysis Laboratory 4901 Havrkins NE Albuquerque, NM 87109 TEL: 505-345-3978 FAX: 505-345-4107 Website, www.ballenvironmintal.com

Sample Log-In Check List

Released to Imaging: 6/11/2021 9:23:48 AM

Received By: Ja						
	nzzmine Burkhead	6/1/2018 9:50:00 AM				
Completed By Er	rin Melendrez	6/1/2018 10:52:57 AM		u_MA	·	
Reviewed By	NM	6/1/18				
LB:	76					
Chain of Custod	'Y					
1. Is Chain of Custor	dy complate?		Yes 🗹	No _	Not Present	
2 How was the sam	ble celivered?		Couner			
Log In						
41	nade to cool the samples?	ı	Yes 🗹	No □	NA 🗔	
Were all samples in	received at a temperature	of >0° C to 6 0°C	Yea 🗸	No 🗍	NA 🗔	
5. Sample(s) in prope	er container(s)?		Yea 🔽	No _		
			, 99			
Sufficient sample v	/olume for indicated test(s)"	Yes 🗸	No 🗌		
7, Aro samples (exce	pt VOA and ONG) proper	ly preserved?	Yes 🔽	No 🗌		
B. Was preservative i	added to bottles?		Yes 🗌	No 😯	NA 🗆	
9. VOA viels have zer	ro headspace?		Yes 🗌	No 🛄	No VOA Vials 🗹	
	containers received broke	n?	Yes 🗆	No 🗹		
					# of preserved bottles checked	150
Daes paperwork m Wote discrepancie	atch bottle labels? s on chain of custody)		Yes 🗸	No 🗌	for pH.	Notes indende and me
·	s on chain or castody; ctly identified on Chain of	Custody?	Yes 🔽	No T	Adjusted?	j i√>1 2 unless noted)
	lyses were requested?	,	Yes 🗹	No _	and the state of t	Ø \
4. Were all holding tin			Yes 🗹	No 🗀	Checked by	
(If no, notify existen	ner for authorization j					
pecial Handling	(if applicable)			/	•	
5 Was client notified	of all discrepancies with	lbis order?	Yes	No	NA 🗹	
Person Notif	ed	Date				
By Whom		Via	oMail	Phone Fax	ૂ in Person	
Regarding						
Client Instruc	chons.					
6. Additional remarks	S:					
7. Cooler Information						
			eal Date	Signed By		
1 2.8	Good Yes)		**************************************		

hall environmental Analysis laboratory	nmental.com	- Albuquerque, NM 87109	(505-345-4107			s,80	S b(808	/ s	5 ΟΛ• (\	oilse -imes	80 80 8) 0	<i>47</i> 228 928 808	7						The second secon					nty notated on the analytical report.
	www.hallenvironmental.com	4901 Hawkins NE - Albuq	Tel. 505-345-3975 Fax	Analysi	3O)	(S) / WI	ZIWI KO	072 (1.1) (1.1)	+.	98 bd 4 10 0	+ MT Aetho Aetho Aetho (8316 8 Me	. X = . 18 - 18 - 18 - 21 - 21 - 21 -	9T8 19T 19T 103 1A9	•							Posterior Disco		Remarks:		ability. Any sub-contracted determill be cles
Turn-Around lime: Color Lylla charge		East Pecos 12	Project #:	1402331.001.01			Vavid CLOKIAS	J.Laird	2	Sample Temperature: 7 . S	Container Brasanathu	t Type HEAL No.	. 2 None, 18060016-00	1 -002	509	500-	<u> </u>	900-				٠	1945 SAUR 0856	Regardoy: Court Date Time	to other accredited laboratories. This serves as n
Chain-of-Custody Record		Mailing Address: 408 W. Texas Curc.	114 88210	大公	Š	•	☐ Level 4 (Full Validation)	Accreditation		☐ EDD (Type)	- To Short 2008	Date Time Matrix Sample Request ID	5.30-18 1300 50:1 5-21 2'	1 130 1 5.22 2.5'	130 5-23 41	1312 6-23 5'	120 5-25 41	1824 1 5-25 5			Free		SSIMB ORSO Jacobs Javy	ing the	If necessary, samples spanitted to Hall Environmental may be supconfected



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

June 18, 2018

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

RE: East Pecos 22

OrderNo.: 1806162

Dear David Adkins:

Hall Environmental Analysis Laboratory received 32 sample(s) on 6/5/2018 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order: 1806162

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/18/2018

	Calon LPE East Pecos 22				L	ab C	rder:	1806	162	
Lab ID:	1806162-001	ONO HARABANIA SANTA DA PARAMANA ANTANA MANAMANA ANTANA MANAMANA ANTANA MANAMANA ANTANA MANAMANA ANTANA MANAMANA	C	ollecti	on Date	: 5/3	31/2018 9:4	40:00 A	M	
Client Sample ID:	S-18A 14'				Matrix	: SC	IL			
Analyses		Result	PQL	Qual	Units	DF	Date Ana	lyzed	Ba	tch ID
EPA METHOD 300	0.0: ANIONS							An	alyst:	smb
Chloride		310	30		mg/Kg	20	6/9/2018	10:40:20	AM	38584
Lab ID:	1806162-002	<u></u>	C	ollecti	on Date	: 5/3	31/2018 9::	50:00 A	M	
Client Sample ID:	S-18A 16'				Matrix	: SC	IL			
Analyses		Result	PQL	Qual	Units	DF	Date Ana	lyzed	Ba	tch ID
EPA METHOD 300	0.0: ANIONS							An	alyst:	smb
Chloride		130	30		mg/Kg	20	6/9/2018	11:17:35	AM	38584
Lab ID:	1806162-003		C	ollecti	on Date	: 5/3	31/2018 10	:00:00	AM	
Client Sample ID:	S-18A 18'				Matrix	: SC	OIL			
Analyses		Result	PQL	Qual	Units	DF	Date Ana	lyzed	Ba	tch ID
EPA METHOD 300	0.0: ANIONS							An	alyst:	smb
Chloride		ND	30		mg/Kg	20	6/9/2018	11:29:59	AM	38584
Lab ID:	1806162-004		C	ollecti	on Date	: 5/3	31/2018 10	:50:00	AM	
Client Sample ID:	S-14A 14'				Matrix	: SC)IL			
Analyses	-	Result	PQL	Qual	Units	DF	Date Ana	lyzed	Ba	tch ID
EPA METHOD 300	0.0: ANIONS							An	alyst:	smb
Chloride		300	30		mg/Kg	20	6/9/2018	11:42:24	AM	38584
Lab ID:	1806162-005		C	ollecti	on Date	: 5/3	31/2018 11	:00:00	AM	
Client Sample ID:	S-14A 15'				Matrix	: SC	DIL			
Analyses		Result	PQL	Qual	Units	DF	Date Ana	lyzed	Ba	tch ID
EPA METHOD 300	0.0: ANIONS							An	alyst:	smb
Chloride		370	30		mg/Kg	20	6/9/2018	11:54:49	АМ	38584

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

- Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
 - Sample pH Not In Range
- Page 1 of 8
- RL Reporting Detection Limit

P

Analytical Report

Lab Order: 1806162

Date Reported: 6/18/2018

Hall Environmental Analysis Laboratory, Inc.

	Calon LPE Cast Pecos 22				L	ab C	Order: 1800	5162	
Lab ID:	1806162-006		C	ollecti	on Date	: 5/3	31/2018 11:50:00	AM	
Client Sample ID:	C-1A 14'				Matrix	: SC	OIL		
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed	Ba	tch ID
EPA METHOD 300	.0: ANIONS						А	nalyst:	JRR
Chloride		4400	150		mg/Kg	100	0 6/11/2018 5:24:0	3 PM	38584
Lab ID:	1806162-007		C	ollecti	on Date	: 5/3	31/2018 12:00:00	PM	
Client Sample ID:	C-1A 16'				Matrix	: SC	DIL		
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed	Ba	tch ID
EPA METHOD 300 Chloride	.0: ANIONS	580	30		mg/Kg	20		nalyst: PM	smb 38584
Lab ID:	1806162-008		C	ollecti	on Date	: 5/3	31/2018 12:15:00	PM	
Client Sample ID:	C-1A 18'				Matrix	: SC	DIL		
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed	Ba	tch ID
EPA METHOD 300 Chloride	0.0: ANIONS	240	30		mg/Kg	20		nalyst: PM	smb 38584
Lab ID:	1806162-009		C	ollecti	on Date	: 6/1	1/2018 8:00:00 A	M	
Client Sample ID:	S-17 2.0'				Matrix	: SC)IL		
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed	Ba	tch ID
EPA METHOD 300 Chloride	0.0: ANIONS	ND	30		mg/Kg	20		nalyst: PM	smb 38584
Lab ID:	1806162-010		C	ollecti	on Date	: 6/1	1/2018 8:02:00 A	M	
Client Sample ID:	S-17 South Sidewall 2.0'				Matrix	: SC	OIL		
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed	Ba	tch ID
EPA METHOD 300	0.0: ANIONS						A	nalyst:	smb
Chloride		77	30		mg/Kg	20	6/9/2018 1:46:29	PM	38584

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

- 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

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 2 of 8
- P Sample pH Not In Range
- RL Reporting Detection Limit

Page 3 of 8

Analytical Report

Lab Order: 1806162

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/18/2018

	mentar ranary sis Dai	90141013,					Jate Reported	1. 0/10	72010	Bagan
	alon LPE ast Pecos 22				1	ab C	Order:	18061	162	
Lab ID:	1806162-011		C	ollecti	on Date	: 6/1	1/2018 8:04	:00 AN	1	
Client Sample ID:	S-17 North Sidewall 2.0'				Matrix	: SC	OIL			
Analyses		Result	PQL	Qual	Units	DF	Date Anal	lyzed	Batch	ID
EPA METHOD 300 Chloride	.0: ANIONS	390	30		mg/Kg	20	6/9/2018 1		alyst: sm PM 385	
Lab ID:	1806162-012		C	ollecti	on Date	: 6/1	1/2018 8:06	:00 AN	1	Janes and Street
Client Sample ID:	S-18 2.0'				Matrix	: SC	OIL			
Analyses		Result	PQL	Qual	Units	DF	Date Anal	lyzed	Batch	ID
EPA METHOD 300 Chloride	.0: ANIONS	750	30		mg/Kg	20	6/9/2018 2		alyst: sm PM 385	
Lab ID:	1806162-013	And the second of	C	ollecti	on Date	: 6/1	1/2018 8:08	:00 AN	1	
Client Sample ID:	S-18 North Sidewall 2.0'				Matrix	: SC	DIL			
Analyses		Result	PQL	Qual	Units	DF	Date Anal	yzed	Batch	ID
EPA METHOD 300 Chloride	.0: ANIONS	190	30		mg/Kg	20	6/9/2018 2		alyst: sm PM 385	
Lab ID:	1806162-014		C	ollecti	on Date	: 6/1	1/2018 8:10	:00 AN	1	
Client Sample ID:	S-18 South Sidewall 2.0'				Matrix	: SC	OIL			
Analyses		Result	PQL	Qual	Units	DF	Date Anal	yzed	Batch	ID
EPA METHOD 300 Chloride	0.0: ANIONS	300	30		mg/Kg	20	6/9/2018 2		alyst: sm PM 385	
Lab ID:	1806162-015		C	ollecti	on Date	: 6/1	1/2018 8:12	:00 AN	1	
Client Sample ID:	S-19 3.5'				Matrix	: SC	DIL			
Analyses		Result	PQL	Qual	Units	DF	Date Anal	yzed	Batch	ID
EPA METHOD 300	0.0: ANIONS							Ana	alyst: sm	ıb
Chloride		1000	30		mg/Kg	20	6/9/2018 3		=	

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

- 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

- 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 Detection Limit

Analytical Report

Lab Order: 1806162

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/18/2018

	Falon LPE East Pecos 22		Lab Order: 1806162
Lab ID:	1806162-016		Collection Date: 6/1/2018 8:14:00 AM
Client Sample ID:	S-19 North Sidewall 3.5'		Matrix: SOIL
Analyses		Result	PQL Qual Units DF Date Analyzed Batch ID
EPA METHOD 300	0.0: ANIONS		Analyst: JRR
Chloride		1500	75 mg/Kg 50 6/11/2018 5:36:28 PM 38584
Lab ID:	1806162-017		Collection Date: 6/1/2018 8:16:00 AM
Client Sample ID:	S-19 South Sidewall 3.5'		Matrix: SOIL
Analyses		Result	PQL Qual Units DF Date Analyzed Batch ID
EPA METHOD 300	0.0: ANIONS		Analyst: smb
Chloride		520	30 mg/Kg 20 6/9/2018 3:38:08 PM 38584
Lab ID:	1806162-018	· · · · · · · · · · · · · · · · · · ·	Collection Date: 6/1/2018 8:18:00 AM
Client Sample ID:	S-20 3.5'		Matrix: SOIL
Analyses		Result	PQL Qual Units DF Date Analyzed Batch ID
EPA METHOD 300	0.0: ANIONS		Analyst: smb
Chloride		46	30 mg/Kg 20 6/9/2018 3:50:32 PM 38584
Lab ID:	1806162-019		Collection Date: 6/1/2018 8:20:00 AM
Client Sample ID:	S-20 North Sidewall 3.5'		Matrix: SOIL
Analyses		Result	PQL Qual Units DF Date Analyzed Batch ID
EPA METHOD 300	0.0: ANIONS		Analyst: smb
Chloride		ND	30 mg/Kg 20 6/9/2018 4:02:57 PM 38584
Lab ID:	1806162-020		Collection Date: 6/1/2018 8:22:00 AM
Client Sample ID:	S-20 South Sidewall 3.5'		Matrix: SOIL
Analyses		Result	PQL Qual Units DF Date Analyzed Batch ID
EPA METHOD 300	0.0: ANIONS		Analyst: smb
Chloride		ND	30 mg/Kg 20 6/9/2018 4:15:22 PM 38584

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
- Holding times for preparation or analysis exceeded Η
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

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

Page 4 of 8

Analytical Report

Lab Order: 1806162

Date Reported: 6/18/2018

Hall Environmental Analysis Laboratory, Inc.

	alon LPE ast Pecos 22				I	ab C	Order:	18061	62
Lab ID:	1806162-021		C	Collecti	on Date	: 6/	1/2018 8:24	:00 AN	1
Client Sample ID:	S-21 North Sidewall 2'				Matrix	: SC	OIL		
Analyses		Result	PQL	Qual	Units	DF	Date Ana	lyzed	Batch ID
EPA METHOD 300 Chloride	.0: ANIONS	190	30		mg/Kg	20	6/11/2018		alyst: JRR AM 38593
Lab ID:	1806162-022		C	ollecti	on Date	: 6/1	1/2018 8:26	:00 AN	ſ
Client Sample ID:	S-21 South Sidewall 2'				Matrix	: SC)IL		
Analyses		Result	PQL	Qual	Units	DF	Date Anal	lyzed	Batch ID
EPA METHOD 300 Chloride	.0: ANIONS	620	30		mg/Kg	20	6/11/2018		alyst: JRR OAM 38593
Lab ID:	1806162-023	Section 1997	C	ollecti	on Date	: 6/]	1/2018 8:28	:00 AM	ſ
Client Sample ID:	S-22 North Sidewall 2.5'				Matrix	: SC	OIL		
Analyses		Result	PQL	Qual	Units	DF	Date Anal	lyzed	Batch ID
EPA METHOD 300 Chloride	.0: ANIONS	250	30		mg/Kg	20	6/11/2018		alyst: JRR 5 AM 38593
Lab ID:	1806162-024	11.00	C	ollecti	on Date	: 6/1	1/2018 8:30	:00 AM	Í
Client Sample ID:	S-22 South Sidewall 2.5'				Matrix	: SC	DIL		
Analyses		Result	PQL	Qual	Units	DF	Date Anal	lyzed	Batch ID
EPA METHOD 300 Chloride	.0: ANIONS	ND	30		mg/Kg	20	6/11/2018		alyst: JRR 3 AM 38593
Lab ID:	1806162-025		C	ollecti	on Date	: 6/1	1/2018 8:32	:00 AM	Í
Client Sample ID:	S-23 North Sidewall 4'				Matrix	: SC	OIL		
Analyses		Result	PQL	Qual	Units	DF	Date Anal	lyzed	Batch ID
EPA METHOD 300 Chloride	.0: ANIONS	ND	30		mg/Kg	20	6/11/2018		alyst: JRR 2 AM 38593

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

- 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

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 5 of 8
- P Sample pH Not In Range
- RL Reporting Detection Limit

Analytical Report

Lab Order: 1806162

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/18/2018

	Calon LPE East Pecos 22				L	ab C	order:	18061	62
Lab ID:	1806162-026			allaati	on Doto	• 6/1	1/2018 8:34:	00.41	
	S-23 South Sidewall 4'		C	onecu	on Date Matrix			OU AIV	I
Analyses	5-25 South Sidewall 4	Result	PQL	Qual			Date Analy	yzed	Batch ID
EPA METHOD 300 Chloride	0.0: ANIONS	2800	150		mg/Kg	100	0 6/12/2018 1		alyst: MRA PM 38593
Lab ID:	1806162-027		C	ollecti	on Date	: 6/1	1/2018 8:36:	00 AM	ſ
Client Sample ID:	S-24 North Sidewall 2.5'				Matrix	: SC	DIL		
Analyses		Result	PQL	Qual	Units	DF	Date Analy	yzed	Batch ID
EPA METHOD 300 Chloride	0.0: ANIONS	ND	30		mg/Kg	20	6/11/2018 1		alyst: JRR 2 PM 38593
Lab ID:	1806162-028		C	ollecti	on Date	: 6/1	1/2018 8:38:	00 AN	ſ
Client Sample ID:	S-24 South Sidewall 2.5'				Matrix	: SC	OIL		
Analyses		Result	PQL	Qual	Units	DF	Date Analy	yzed	Batch ID
EPA METHOD 300 Chloride	0.0: ANIONS	ND	30		mg/Kg	20	6/11/2018 1		alyst: JRR 7 PM 38593
Lab ID:	1806162-029		C	ollecti	on Date	: 6/1	1/2018 8:40:	00 AN	1
Client Sample ID:	S-25 North Sidewall 4'				Matrix	: SC	OIL		
Analyses		Result	PQL	Qual	Units	DF	Date Anal	yzed	Batch ID
EPA METHOD 300	0.0: ANIONS	110	30		mg/Kg	20	6/11/2018 1		alyst: JRR 1 PM 38593
Lab ID:	1806162-030		C	ollecti	on Date	: 6/1	1/2018 8:42:	00 AN	1
Client Sample ID:	S-25 South Sidewall 4'				Matrix	: SC	OIL		
Analyses		Result	PQL	Qual	Units	DF	Date Anal	yzed	Batch ID
EPA METHOD 300	0.0: ANIONS							Ana	alyst: JRR

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

30

ND

Qualifiers:

Chloride

- 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

- Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 6 of 8

20 6/11/2018 12:51:06 PM 38593

P Sample pH Not In Range

mg/Kg

RL Reporting Detection Limit

Analytical Report

Lab Order: 1806162

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/18/2018

20 6/11/2018 1:15:54 PM

	Talon LPE East Pecos 22			L	ab C	Prder: 1806	5162
Lab ID: Client Sample ID:	1806162-031 S-26 South Sidewall 4'		Collecti	on Date Matrix	-	/2018 8:46:00 Al	M
Analyses		Result	PQL Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300 Chloride	D.0: ANIONS	ND	30	mg/Kg	20	Ar 6/11/2018 1:03:30	nalyst: JRR DPM 38593
Lab ID: Client Sample ID:	1806162-032 S-26 North Sidewall 4'		Collecti	on Date Matrix		/2018 8:44:00 A	M
Analyses		Result	PQL Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300	D.O: ANIONS					Ar	nalyst: JRR

30

mg/Kg

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

Qualifiers:

Chloride

- * 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

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits

Page 7 of 8

- P Sample pH Not In Range
- RL Reporting Detection Limit

Received by OCD: 10/30/2019 3:03:07 PM

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1806162

18-Jun-18

Client:

Talon LPE

Project:

East Pecos 22

Sample ID MB-38584

SampType: mblk

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Batch ID: 38584

RunNo: 51845

Prep Date: 6/8/2018

Analysis Date: 6/9/2018

SeqNo: 1693288

Units: mg/Kg

Qual

Analyte Chloride

Result ND

PQL

1.5

TestCode: EPA Method 300.0: Anions

HighLimit

RPDLimit

Sample ID LCS-38584

SampType: ics

%REC

Client ID: LCSS

Batch ID: 38584

RunNo: 51845

110

Prep Date:

6/8/2018

Analysis Date: 6/9/2018

SeqNo: 1693289

SPK value SPK Ref Val %REC LowLimit

LowLimit

Units: mg/Kg HighLimit

Qual

Analyte Chloride

Result **PQL** 14 1.5 SPK value SPK Ref Val 15.00

94.0

90

%RPD **RPDLimit**

%RPD

%RPD

%RPD

Sample ID MB-38593

Prep Date:

SampType: MBLK

Result

Result

14

ND

TestCode: EPA Method 300.0: Anions

Client ID:

Sample ID LCS-38593

LCSS

PBS

6/11/2018

Batch ID: 38593 Analysis Date: 6/11/2018

RunNo: 51896

Units: mg/Kg

Analyte

1.5

PQL

SPK value SPK Ref Val %REC

LowLimit

SegNo: 1695754

HighLimit

RPDLimit

Qual

Chloride

Client ID:

Prep Date:

SampType: LCS Batch ID: 38593

1.5

TestCode: EPA Method 300.0: Anions

RunNo: 51896

SeqNo: 1695755

Units: mg/Kg

RPDLimit

Qual

Analyte Chloride

6/11/2018

Analysis Date: 6/11/2018

SPK value SPK Ref Val 15.00 0

%REC 90.6

LowLimit 90

HighLimit

110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Η 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

В 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 Detection Limit Sample container temperature is out of limit as specified

Page 8 of 8



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

Sample Log-In Check List

Released to Imaging: 6/11/2021 9:23:48 AM

Client Name: TALON ARTESIA Work Order Num	ber: 1806162		RcptNo:	
Received By: Jazzmine Burkhead 6/5/2018 9:45:00 A	.M	nor October		
Completed By: Erin Melendrez 6/5/2018 11:47:01	ΔΔ4	11 111		
and the state of t	Alvi	un vice	ア	
Reviewed By:				
(B., MW 6/5/18)				
Chain of Custody			· · · · · · · · · · · · · · · · · · ·	
1. Is Chain of Custody complete?	Yes 🗹	No 🗌	Not Present 🗌	
2. How was the sample delivered?	Courier			* * * * * * * * * * * * * * * * * * *
Login	· · · · · · · · · · · · · · · · · · ·			
Log In 3. Was an attempt made to cool the samples?	Yes 🔽	No 🗆	NA 🗆	
- vada dirattempt made to coor the samples:	165	110	IVA L	
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes 🗸	No 🗆	. NA	
Sample(s) in proper container(s)?	Yes 🗹	No 🗌		
				•
Sufficient sample volume for indicated test(s)?	Yes 🗹	No 🗌		
7. Are samples (except VOA and ONG) properly preserved?	Yes 🗸	No 🗌		
3. Was preservative added to bottles?	Yes	No 🔽	NA 🗆	
VOA vials have zero headspace?	Yes	No 🗌	No VOA Vials 🗹	
Were any sample containers received broken?	Yes	No 🗹		
			# of preserved bottles checked	1,8/
1. Does paperwork match bottle labels?	Yes 🗹	No 🗌	for pH:	5/10
(Note discrepancies on chain of custody)		_	(<0)	12 unless noted
2 Are matrices correctly identified on Chain of Custody?	Yes 🗹	No L	Agusted	
3 Is it clear what analyses were requested?	Yes 🗹	No 📙		
4. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes 🗸	No L	Checked by:	
pecial Handling (if applicable)				
5. Was client notified of all discrepancies with this order?	Yes 🗌	No 🗌	NA 🗹	•
Person Notified: Date:				
By Whom: Via:	eMail P	hone Fax	☐ In Person、	
Regarding:	CONTINUE DE LA COMPANION DE LA		The same of the sa	•
Client Instructions:			The state of the s	
6. Additional remarks:				
		· ·		
7. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No	Senil Deta	കുക്കില് പ		
1 5.9 Good Yes	Seal Date	Signed By		
	. !	i		

ANALYSIS LABORATORY HALL ENVIRONMENTAL

www.hallenvironmental.com

Client: Talon LPE

Chain-of-Custody Record

Turn-Around Time:

4004 (USALE) NO OF TO CHAP!

Project Name:

it necessary, samples submitted to Hall Environmental may be suboq		by s coclass parell	Relinquishe	0.8 0.0	0804 57 16 16 deval 12.0		6-1-15,0800 5-17 7.0'	5-31-18 1215 1 6-14 18"	1260 6-14 16	1150 C-1A 14'	1100 S-14A 15	1050 5-44 12	1000 S-184 18,	0450 5-18A 16	5-31-18 Dano 2011 2-184 141,	Date Time Matrix Sample Request ID	□ EDD (Type)	□ NELAP □ Other	Accreditation	☐ Standard ☐ Level 4 (Full Validation)	QA/QC Package:	email or Fax#: dadkins @ telephoe.com	Phone #. 575-746.8768	artesia, NM 88210	Mailing Address: 408 W. Texas Que.
s sumitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this po	mayor Bulkhur 06/05/18 09:48	6/4/8 1030	Time	-012	-011	-010	-89	-008	-07	-00/0	-005	-004	-003		2	Container Preservative HEAL No.	Sample Temperature: 5, 0	On Ice: 工学es 口 No	Sampler T	D. Celkins	,	Project Manager:	702331.001.01		East Mas 32
this possibility. Any sub-contracted data will be clearly notated on the analytical report.			Remarks:												BTE TPI- TPI- EDE PAI- RCF Anic	EX + MTI EX + MTI H 8015B H (Metho B (Metho H's (8310 RA 8 Metho DRA 8 Metho DRA 8 Methons (F,CI 1 Pesticit DB (VOA D (Semi-	GF (GF d 4 f of 5 f of	+ TP RO / 18.1) 04.1) 8270 0 ₃ ,NO / 80	DR)) D ₂ ,F 82	(Gas RO / IIMS PCE	3 on MR	(ly) (O) (4)	٩nal	ŲΪ	4901 Hawkins NE - Albuquerque, NM 87109

Received by OCD: 10/30/2019 3:03:07 PM

If necessary, samples submitted to Hall Environmental may be subco	190 (db) 8pt	Date: Time: Relinquisted by	611/18 1030 March Secret	ate: Time: Relinquishe	<u> </u>		0828 5-22 North Side wall 25			3	CBRO 5-36 Maril Sidewall is		5.816 5.19 South Sidewall 3.5	OBLA 5-19 North Sidewall 3,5	0812 5.19 3.5	6-1-18 0810 Soil 518 South Sidewall 20	Date Time Matrix Sample Request ID	□ EDD (Type)	□ NELAP □ Other	Accreditation	☐ Standard ☐ Level 4 (Full Validation)	QA/QC Package:	email or Fax#: dadkins @terlanlac.com	Phone #. 575-746.8768	artesia, NM 88210	Mailing Address: 408 W. Texas Que.
thrac	hindow building GG/05/1809:45	Received by: Constitute Time	All 1 6/4/8 1030	Received by:	1 1 -025	h20-	-023	720-	-021	020	-DIQ	-018	-017		-015	Sar 1 None -DI4	Container Preservative HEAL No.	Sample Temperature: 5, 9	On Ice: 1d Yes □ No	Sampler J. Knird	D. Celkins		Project Manager:	702331.001.01	Project #:	East Mess 22
ted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report		-		Remarks:													BTEX + MT BTEX + MT TPH 8015B TPH (Methor PAH's (831) RCRA 8 Methor Anions (F,C 8081 Pestic 8260B (VO) 8270 (Semi-	(G)	+ T RO 18. 604. 82 3 O ₃ ,N S / 8	PH / DI 1) 1) 70 ((Ga	(S) (A) (S) (S) (S)	(NO)	Analysis Request	Tel. 505-345-3975 Fax 505-345-4107	4901 Hawkins NE - Albuquerque, NM 87109

Client: Talon LPE

Project Name:

□ Standard

Turn-Around Time:

Chain-of-Custody Record

www.hallenvironmental.com

inguished by: R R R R R R R R R R R R R R R R R R	A PRINCE R	>		The state of the s	1 526 North Sidewell 4"	526 Souch Gibewall 4	5.25 Sewh Sidewall 4'		0838 5-24 South Sidewall 7.5	0636 5.24 North Side wall 2.5'	0834 5011 523 Such Sidewall H'	Matrix Sample Request ID	EDD (Type)	□ Other	Accreditation	ige:	dadkins @tellanlae.com	575-746.8768	01888 WINT	Mailing Address: 408 W. Texas Que.		alon LPF	Chain-of-Custody Record
shed by: Received by: Receiv	Date Time				-032	-031	-030	P20-	-028	1 -027	Ser 2 Name -026		Temperature: 5. 6	On loe:	W. Cakins		Project Manager:	702331.001.01	Project #:	East Mess 32.	Project Name:	To a	Turn-Around Time: No sulfa charte
possibility. Any su	Remarks:					•		•				BTEX + MTE BTEX + MTE TPH 8015B (3E ·	+ TP	H (G	as o	nly)		Tel, 5	4901			
rub-contracted data will be clearly notated on the analytical report.											-	TPH (Method EDB (Method PAH's (8310 RCRA 8 Meta Anions (F,Cl, 8081 Pesticio 8260B (VOA) 8270 (Semi-V	or als NC	18.1) 04.1) 8270 7 ₃ ,NO 780) SIN) ₂ ,P(82 P	//S) O ₄ ,S(CB's	O ₄)	۹nal	Οī	4901 Hawkins NE - Albuquerque, NM 87109	www.hallenvironme		



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

June 19, 2018

David Adkins Talon Artesia 408 West Texas Ave Artesia, NM 88210

TEL: (806) 467-0607 FAX (806) 467-0622

RE: East Pecos 22

OrderNo.: 1806500

Dear David Adkins:

Hall Environmental Analysis Laboratory received 27 sample(s) on 6/7/2018 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order: 1806500

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/19/2018

	Calon Artesia East Pecos 22	NATION TO THE PROPERTY OF THE			L	ab C	order:	18065	500	
Lab ID:	1806500-001	gan e e e e e e e e e e e e e e e e e e e	C	ollecti	on Date	: 6/6	5/2018 8:	00:00 AN	1	
Client Sample ID:	S-1 North Sidewall 4.5'				Matrix	: SC)IL			
Analyses		Result	PQL	Qual	Units	DF	Date Ar	nalyzed	Batc	h ID
EPA METHOD 300 Chloride	0.0: ANIONS	730	30		mg/Kg	20	6/12/201	Ana 18 6:39:55	alyst: S PM 3	BRM 88630
Lab ID:	1806500-002		C	ollecti	on Date	: 6/6	5/2018 8:	02:00 AN	1	
Client Sample ID:	S-1 East Sidewall 4.5'				Matrix	: SC)IL			
Analyses		Result	PQL	Qual	Units	DF	Date Ar	nalyzed	Batc	h ID
EPA METHOD 300	0.0: ANIONS							Ana	alyst: J	RR
Chloride		1000	30		mg/Kg	20	6/13/201	18 12:06:16	-	
Lab ID:	1806500-003		C	ollecti	on Date	: 6/6	5/2018 8:	04:00 AM	ſ	
Client Sample ID:	S-1 West Sidewall 4.5'				Matrix	: SC	ΙL			
Analyses		Result	PQL	Qual	Units	DF	Date Ar	nalyzed	Batc	h ID
EPA METHOD 300 Chloride	0.0: ANIONS	420	30		mg/Kg	20	6/13/201	Ana 18 12:18:41	alyst: J IPM 3	
Lab ID:	1806500-004		C	ollecti	on Date	• 6/6	5/2018 8:0	06:00 AN	ſ	
	S-2 East Sidewall 3.5'				Matrix			00.00 111	•	
Analyses		Result	PQL	Qual	Units	DF	Date Ar	nalyzed	Batc	h ID
EPA METHOD 300 Chloride	0.0: ANIONS	560	30		mg/Kg	20	6/13/201	Ana 8 12:31:06	alyst: J 3 PM 3	
Lab ID:	1806500-005		C	ollecti	on Date	: 6/6	5/2018 8:0	08:00 AM	[
Client Sample ID:	S-2 West Sidewall 3.5'				Matrix	: SC	IL			
Analyses		Result	PQL	Qual	Units	DF	Date Ar	alyzed	Batc	h ID
EPA METHOD 300 Chloride	0.0: ANIONS	960	30		mg/Kg	20	6/13/201	Ana 8 8:22:56	alyst: J AM 3	RR 8630

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

- 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

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 1 of 7
- P Sample pH Not In Range
- RL Reporting Detection Limit

Analytical Report

Lab Order: 1806500

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/19/2018

							100	C#00	
	alon Artesia ast Pecos 22				L	ab C	order: 180	6500	
Project: E	ast recos 22			10 7 W 15 W	72-1-20 - 1-10 - 10 - 10 - 10 - 10 - 10 -				
Lab ID:	1806500-006		C	ollecti	on Date	: 6/6	5/2018 8:10:00 A	λM	
Client Sample ID:	S-3 West Sidewall 3.5'				Matrix	: SC)IL		
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed	l Ba	atch ID
EPA METHOD 300	.0: ANIONS						A	nalyst	: JRR
Chloride		350	30		mg/Kg	20	6/13/2018 8:35:	20 AM	38630
Lab ID:	1806500-007	Anna de la companya	C	ollecti	on Date	: 6/6	5/2018 8:12:00 A	λM	
Client Sample ID:	S-4 East Sidewall 4.5'				Matrix	: SC	OIL		
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed	l Ba	atch ID
EPA METHOD 300	.0: ANIONS						A	nalyst	: JRR
Chloride		810	30		mg/Kg	20	6/13/2018 8:47:	45 AM	38630
Lab ID:	1806500-008	10 11 of a 11 to 1	C	ollecti	on Date	: 6/6	5/2018 8:14:00 A	λM	
Client Sample ID:	S-4 4.5'				Matrix	: SC)IL		
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed	l B	atch ID
EPA METHOD 300	.0: ANIONS						A	\nalyst	JRR
Chloride		190	30		mg/Kg	20	6/13/2018 9:00:	09 AM	38630
Lab ID:	1806500-009		C	ollecti	on Date	: 6/6	5/2018 8:16:00 A	λM	
Client Sample ID:	S-5 3.5'				Matrix	: SC	OIL		
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed	l B	atch ID
EPA METHOD 300	.0: ANIONS						A	Analyst	: JRR
Chloride		320	30		mg/Kg	20	6/13/2018 9:12:	33 AM	38630
Lab ID:	1806500-010		C	ollecti	on Date	: 6/6	5/2018 8:18:00 A	AM	
Client Sample ID:	S-5 East Sidewall 3.5'				Matrix	: SC	OIL		
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed	l B	atch ID
EPA METHOD 300	.0: ANIONS						A	Analyst	: JRR
Chloride		650	30		mg/Kg	20	6/13/2018 9:24:	57 AM	38630

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

- 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

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 2 of 7
- P Sample pH Not In Range
- RL Reporting Detection Limit

Analytical Report

Lab Order: 1806500

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/19/2018

	Γalon Artesia East Pecos 22		Lab Order: 1806500
Lab ID:	1806500-011		Collection Date: 6/6/2018 8:20:00 AM
Client Sample ID:	S-5 West Sidewall 3.5'		Matrix: SOIL
Analyses		Result	PQL Qual Units DF Date Analyzed Batch ID
EPA METHOD 300 Chloride	0.0: ANIONS	820	Analyst: JRR 30 mg/Kg 20 6/13/2018 9:37:22 AM 38630
Lab ID:	1806500-012		Collection Date: 6/6/2018 8:22:00 AM
Client Sample ID:	S-8 West Sidewall 4'		Matrix: SOIL
Analyses		Result	PQL Qual Units DF Date Analyzed Batch ID
EPA METHOD 300 Chloride	0.0: ANIONS	450 °	Analyst: JRR 30 mg/Kg 20 6/13/2018 9:49:47 AM 38630
Lab ID:	1806500-013		Collection Date: 6/6/2018 8:24:00 AM
Client Sample ID:	S-10 3.5'		Matrix: SOIL
Analyses		Result	PQL Qual Units DF Date Analyzed Batch ID
EPA METHOD 300 Chloride	0.0: ANIONS	340	Analyst: JRR 30 mg/Kg 20 6/13/2018 10:02:11 AM 38630
Lab ID:	1806500-014		Collection Date: 6/6/2018 8:26:00 AM
Client Sample ID:	S-10 East Sidewall 3.5'		Matrix: SOIL
Analyses		Result	PQL Qual Units DF Date Analyzed Batch ID
EPA METHOD 300 Chloride	0.0: ANIONS	790	Analyst: JRR 30 mg/Kg 20 6/13/2018 10:14:35 AM 38630
Lab ID:	1806500-015		Collection Date: 6/6/2018 8:28:00 AM
Client Sample ID:	S-10 West Sidewall 3.5'		Matrix: SOIL
Analyses		Result	PQL Qual Units DF Date Analyzed Batch ID
EPA METHOD 300	0.0: ANIONS		Analyst: JRR
Chloride		220	30 mg/Kg 20 6/13/2018 10:51:49 AM 38630

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

- 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

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 3 of 7
- P Sample pH Not In Range
- RL Reporting Detection Limit

Analytical Report

Lab Order: 1806500

Date Reported: 6/19/2018

Hall Environmental Analysis Laboratory, Inc.

	alon Artesia ast Pecos 22				L	ab C	Order: 180	6500
Lab ID:	1806500-016		C	Collecti	ion Date	: 6/6	5/2018 8:30:00 A	M
Client Sample ID:	S-11 4'				Matrix	: SC)IL	
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300 Chloride	.0: ANIONS	590	30		mg/Kg	20		nalyst: JRR :14 AM 38630
Lab ID:	1806500-017		C	ollecti	ion Date	: 6/6	5/2018 8:32:00 A	M
Client Sample ID:	S-11 East Sidewall 4'				Matrix	: SC	OIL	
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300 Chloride	.0: ANIONS	290	30		mg/Kg	20	A 6/13/2018 11:16	nalyst: JRR :38 AM 38630
Lab ID:	1806500-018		C	ollecti	ion Date	: 6/6	5/2018 8:34:00 A	ΔM
Client Sample ID:	S-11 West Sidewall 4'				Matrix	: SC)IL	
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300 Chloride	0.0: ANIONS	300	30		mg/Kg	20		nalyst: JRR :03 AM 38630
Lab ID:	1806500-019		C	ollecti	ion Date	: 6/6	5/2018 8:36:00 A	M
Client Sample ID:	S-12 3.5'				Matrix	: SC	OIL	
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300 Chloride	0.0: ANIONS	840	30		mg/Kg	20		nalyst: JRR :27 AM 38630
Lab ID:	1806500-020		C	Collecti	ion Date	: 6/6	5/2018 8:38:00 A	M
Client Sample ID:	S-12 East Sidewall 3.5'				Matrix	: SC	OIL	
Analyses		Result	PQL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300 Chloride	0.0: ANIONS	ND .	30		mg/Kg	20		nalyst: JRR :52 AM 38630

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

- 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

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 4 of 7
- P Sample pH Not In Range
- RL Reporting Detection Limit

Analytical Report

Lab Order: 1806500

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/19/2018

	Γalon Artesia East Pecos 22			Will about	I	∡ab (Order:	18065	00	
Lab ID:	1806500-021		C	Collecti	on Date	: 6/6	6/2018 8:40:	00 AN	ĺ	
Client Sample ID:	S-12 West Sidewall 3.5'				Matrix	: SC	DIL			
Analyses		Result	PQL	Qual	Units	DF	Date Analy	zed	Ba	tch ID
EPA METHOD 300 Chloride	0.0: ANIONS	ND	30		mg/Kg	20	6/13/2018 1			JRR 38660
Lab ID:	1806500-022		C	Collecti	on Date	: 6/6	6/2018 8:42:	00 AM	ĺ	
Client Sample ID:	S-13 4'				Matrix	: SC	OIL			
Analyses		Result	PQL	Qual	Units	DF	Date Analy	zed	Bat	tch ID
EPA METHOD 300 Chloride	0.0: ANIONS	1000	30		mg/Kg	20	6/13/2018 1			JRR 38660
Lab ID:	1806500-023		C	ollection	on Date	: 6/6	5/2018 8:44:0	00 AM		
Client Sample ID:	S-13 East Sidewall 4'				Matrix	: SC	DIL			
Analyses		Result	PQL	Qual	Units	DF	Date Analy	zed	Bat	tch ID
EPA METHOD 300 Chloride	0.0: ANIONS	830	30		mg/Kg	20	6/14/2018 1		-	JRR 38660
Lab ID:	1806500-024		C	ollectio	on Date	: 6/6	5/2018 8:46:0	00 AM		
Client Sample ID:	S-13 West Sidewall 4'				Matrix	: SC	IL			
Analyses		Result	PQL	Qual	Units	DF	Date Analy	zed	Bat	tch ID
EPA METHOD 300 Chloride	0.0: ANIONS	710	30		mg/Kg	20	6/13/2018 2:		lyst: PM	JRR 38660
Lab ID:	1806500-025		С	ollectio	on Date	: 6/6	5/2018 8:48:0	00 AM		
Client Sample ID:	S-14 2'				Matrix	: so	OIL			
Analyses		Result	PQL	Qual	Units	DF	Date Analy	zed	Bat	ch ID
EPA METHOD 300	.0: ANIONS							Ana	lyst:	JRR
Chloride		ND	30		mg/Kg	20	6/13/2018 2:		•	38660

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

- 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

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits Page 5 of 7
- P Sample pH Not In Range
- RL Reporting Detection Limit

Analytical Report

Lab Order: 1806500

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 6/19/2018

CLIENT: Project:	Talon Artesia East Pecos 22			I	Lab C)rder: 1806	500
Lab ID:	1806500-026		Collec	tion Date	e: 6/6	5/2018 8:50:00 Al	M
Client Sample I	D: S-15 2'			Matrix	c: SC	DIL	
Analyses		Result	PQL Qua	al Units	DF	Date Analyzed	Batch ID
EPA METHOD	300.0: ANIONS					Ar	nalyst: JRR
Chloride		880	30	mg/Kg	20	6/13/2018 2:47:39	9 PM 38660
Lab ID:	1806500-027		Collec	tion Date	e: 6/6	5/2018 8:52:00 AI	M
Client Sample I	D: S-16 2'			Matrix	: SC)IL	
Analyses		Result	PQL Qua	al Units	DF	Date Analyzed	Batch ID
EPA METHOD	300.0: ANIONS		·			Ar	alyst: JRR
Chloride		940	30	mg/Kg	20	6/13/2018 3:00:03	38660 BPM 38660

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

- Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits

Page 6 of 7

- P Sample pH Not In Range
- RL Reporting Detection Limit

OC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#:

1806500

19-Jun-18

Client:

Talon Artesia

Project:

East Pecos 22

Sample ID MB-38630

SampType: MBLK

TestCode: EPA Method 300.0: Anions

Client ID:

PBS

Batch ID: 38630

RunNo: 51940

Units: mg/Kg

Prep Date:

6/12/2018

Analysis Date: 6/12/2018

SeqNo: 1697660

HighLimit

%RPD **RPDLimit**

Qual

Analyte Chloride

Result **PQL** ND 1.5

Sample ID LCS-38630

SampType: LCS

TestCode: EPA Method 300.0: Anions

Client ID: LCSS

Batch ID: 38630

SPK value SPK Ref Val %REC LowLimit

RunNo: 51940

Units: mg/Kg

110

Analyte

Client ID:

Prep Date:

Prep Date: 6/12/2018

6/13/2018

Analysis Date: 6/12/2018

Result

Result

Result

14

ND

14

SeqNo: 1697661 %REC

LowLimit

HighLimit

RPDLimit

%RPD

%RPD

Qual S

Chloride

Sample ID MB-38660

PBS

Sample ID LCS-38660

SampType: MBLK

Batch ID: 38660

Analysis Date: 6/13/2018

PQL

1.5

SPK value SPK Ref Val

SPK value SPK Ref Val

5.000

RunNo: 51967

SeqNo: 1698916

90 TestCode: EPA Method 300.0: Anions

HighLimit

Units: mg/Kg

RPDLimit

Qual

Analyte Chloride

PQL 1.5

SampType: LCS

1.5

TestCode: EPA Method 300.0: Anions

%REC

RunNo: 51967

SeqNo: 1698917

Units: mg/Kg

110

RPDLimit

Analyte Chloride

Prep Date:

Batch ID: 38660 Client ID: LCSS Analysis Date: 6/13/2018 6/13/2018

15.00

SPK value SPK Ref Val

%REC 96.3

LowLimit

LowLimit

HighLimit

%RPD

Qual

Qualifiers:

Received by OCD: 10/30/2019 3:03:07 PM

Value exceeds Maximum Contaminant Level.

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

Analyte detected in the associated Method Blank В

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL

Sample container temperature is out of limit as specified

Sample Diluted Due to Matrix

Ε Value above quantitation range

Reporting Detection Limit

Page 7 of 7



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

Sample Log-In Check List

Released to Imaging: 6/11/2021 9:23:48 AM

Client Name: Talon LPE	Work Order Nu	mber: 1806500		RcptNo: 1	
					\$
Received By: Jazzmine Burkhead	6/7/2018 10:00:00	O AM	APT 2019		
Completed By: Ashley Gallegos	6/8/2018 11:46:10	S AM	A.		
Reviewed By: CN	018/18	Labele	d by	mul	el 8 18
Chain of Custody			1.		
1. Is Chain of Custody complete?		Yes 🗹	No 🗌	Not Present 🔲	
How was the sample delivered?		Courier			
				· ·	•
Log In 3. Was an attempt made to cool the samp	des?	Yes 🗸	No 🔲	NA 🗆	• • •
True an accompt made to door the Sump		165			
. Were all samples received at a tempera	ture of >0° C to 6.0°C	Yes 🗹	No 🗆	NA 🗌	w.
Sample(s) in proper container(s)?		Yes 🗹	No 🗆		. •
Sufficient sample volume for indicated to	est(s)?	Yes 🗸	No 🗌		
Are samples (except VOA and ONG) pro		Yes 🗹	No 🗌		
. Was preservative added to bottles?		Yes 🗌	No 🗹	NA \square	
. VOA vials have zero headspace?		Yes	No 🗆 N	o VOA Vials 🗹	
). Were any sample containers received b	roken?	Yes	No 🗸 🕌	of preserved	
Does paperwork match bottle labels? (Note discrepancies on chain of custody))	Yes 🔽	bo	ottles checked r pH: (1200r) f	dinless noted)
Are matrices correctly identified on Chai	n of Custody?	Yes 🗹	No 🗆	* Adjubrad?	
Is it clear what analyses were requested	?	Yes 🗸	No 🗆	1100	
. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	No □ ✓	Checked by:	
	·	•	<u></u>		
pecial Handling (If applicable) 5. Was client notified of all discrepancies w	with this order?	Yes 🗌	No 🗆	NA 🔽	•
Person Notified:	PARTONOMINATOR .	7	140 □	NA 🛂	
By Whom:	Date Via:		ono 🗆 Eov. 🗀	In Dansen	
Regarding:	VIA.	Cleinan Cl. Li	none	in Person	
Client Instructions:	The second section of the second seco		THE PERSON OF THE PERSON NAMED IN	THE RESIDENCE OF THE PERSON AND ADDRESS OF T	
3. Additional remarks:				<u> </u>	
7. Cooler Information	•		· .		:
	Seal Intact Seal No Yes	Seal Date	Signed By.		
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				

	environmental com	4901 Hawkins NE - Albuquerque, NM 87109	10	Analysis	P()	0 / W	)) Ha	7T + TTF + T	(GF) (GF) (GF) (GF) (GF) (GF) (GF) (GF)	BTEX + MTI	7												Remarks:			This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
Turn-Around Time:  Uppy [urr]  Rish	Project Name:	F15+ PGOS 22	Project #:	102331,001.01	<u>ā</u>	12 12 CAL 10	34	On ice: Ves I. No	Sample Temperature: $2.5 - 0.5 = 2.0$	Container Preservative HEAL No.  Type	Jan 2 1001, -001		800-	h00-	500-	000-	T00-	800-	600	010	110-	11/1	Received by Time	81/12/01	Received by: Courtit Pate Time	ted forther accredited laboratories.
Chain-of-Custody Record	1011 21	Mailing Address: 408 W. Toxos Chir.		8918 . 3hr . 5h	-ax#: dadkins@ tolan pe. com	VQC Package:	Standard Level 4 (Full Validation) 7.	□ Other	EDD (Type)	Matrix Sample Request ID	6.6.18, 1800 Cro; ( S-1 Mach Sidewall 4.5)	0802 618051 618051 4.5"				5-3 West 5,4cmall			5-5		5-5	5-8 West Sidewall 4	Relinquished by:	heiry	Date: Time: Relinquished by: Re	1

ime.	lsh	Project Name:	Eust Heas 23, 4901 Hawkins NE - Albuquerque, NM 87109	Project #: Tel. 505-345-3975 Fax 505-345-4107	Analysis	(O) (A) (I) (I) (I) (I) (I) (I) (I) (I) (I) (I	S.44()	12010 (20 KINS 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	(1. (1. (1. (1. (1. (1. (1. (1. (1. (1.	(A( € C) € S8 · · · · · · · · · · · · · · · · · ·	BEE (G	Container Preservative Type and # Type PAH's (831 Pestic RPH 8015 Pestic RPH 8081 Pestic RPH 8	<u>γ</u>	1				1	600	5,	7.5	033		10011	Received by:    Remarks:	Referred by: Gaunier Date Time
			46	<del> </del> -																				-		
Turn-Around Time	- Kandard - ARush	Project Name:	East Acos 22.	Project #:	1023331,001.01	Project Manager:		(Lakin	S. Lewind	الم Yes ⊡	Sample Temperature: $25-0.3(\sigma) = 2.0$	Preservative HE	ar 2 None	1	50	9/12	110	8)0-	610-	-020	, — — — — — — — — — — — — — — — — — — —	033	1   1   2033	10011	Abyl Date Tin	Bully Courses Date Tin
Chain-of-Custody Record	alon LPL	•	Mailing Address: 408 W. Toxas Cure	DA4512. 1111	Phone # 57 2 24 5 200 8	ax#: dadkins@tolonlpe.	QA/QC Package:	☐ Standard ☐ Level 4 (Full Validation)	ùo	□ NELAP □ Other	□ EDD (Type)	. Date Time Matrix Sample Request ID	6.6.19 0824 Soil 6-10 3.5	_	15-10 West 5, Lewall 3.5		1 Euso Sidewall H		5.5 2.5	6335 5:12 East Sidewall 3.5"	·	1 0842   513 4'	5-13 East SHOWA!	7	Relinquished by:	Date: Time: Relinquished by:    Time: Referred by:   Malana

Client: [alon L/		7	703				5	4		<b>新居</b>	01	6	硬锤		ja Li	
	30	2 Standard	- A-Rush	•												
		Project Name:							allen	ironr						
Mailing Address: 408 W	Texas ave	East Pe	605 2			1901	4901 Hawkins NE	S NE		enbn	rque,	NN	- Albuquerque, NM 87109			
Contesion, NIN		Project #:			·····	Tel. 5	Tel. 505-345-3975	5-397	10	, K	Fax 505-345-4107	541	20			
Phone #: 5 45- 446	. 8768	1202331	1,001.0	/					4na	sis F	Analysis Request	st				
email or Fax#: $d\alpha dk$	n 5 @ talon /pe. com	Coun Project Manager:	Jer:							(⊅⊂			0			
QA/QC Package: □ Standard	. Level 4 (Full Validation)	Barid	(Ldk)	75				(3/4)	(O1411)	)S, ₄ O9		·	059			
Accreditation		Sampler: 5	Lw rd						20170	^ι ζΟΝ'ε	Z808 /					(N 1
□ EDD (Type)		Sample Temperature	erature: 2.3	-03(c) 2.0						ON'I			50			o Y)
Date Time Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL NO.	BTEX + MT	TM + X3T8 88158 H9T	odteM) H9T	EDB (Metho	PAH's (8310 RCRA 8 Me	O,刊) enoinA	8081 Pestic	40V) 80828 -im92) 0728	Chlerid			səlddu8 זוֹA
6-6-13 0878 50,1	S-141 2'	Jan 2	None	-0a5									7			
	5.15 2'			-080-												
	5-16 3'	1		LEC-										.,		L
	•						·									
			,													
														-		l
								~···								
Four																
												_				1
		ž.						$\dashv$			_	_			_	
Date: Time: Rellnauished by:	pv.	Received by:		Date Time	Pamarks.	<u>i</u>										
Ohbo 8	Jane	1	1	0180 81/19		į										
Date: Time: Reinguished by:		Received by:	1 M Contract	Date Tir												
1118 1/200 Silverille Carlymi	be to Hell Emironmental mair he culture	May I'm	In My (	GIOTIE D'OU			Biny enh. contraded data will be cleach ordeted on the analytical	100	74 III 74	yhaote	100	off of		1000		1



July 02, 2018

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: EAST PECOS 22 FED COM #6

Enclosed are the results of analyses for samples received by the laboratory on 06/29/18 14:42.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-10. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accredited certif.html.

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

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celeg D. Keene

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

Sincerely,

Celey D. Keene

Received by OCD: 10/30/2019 3:03:07 PM

Lab Director/Quality Manager



### Analytical Results For:

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

Received:

06/29/2018

Reported:

07/02/2018 Project Name: EAST PECOS 22 FED COM #6

Project Number:

702331.001.01

480

16.0

Project Location:

Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By: Soil Cool & Intact

Tamara Oldaker

06/28/2018

WPX -EDDY CO NM

### Sample ID: S- 1 EAST SIDEWALL 4.5' (H801788-01)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	07/01/2018	ND	416	104	400	0.00	
Sample ID: S-3 EAST SI	DEWALL 3.5' (	H801788-02)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	07/01/2018	ND	416	104	400	0.00	
Sample ID: S- 4 EAST SI	DEWALL 4.5' (	H801788-03)							
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	07/01/2018	ND	416	104	400	0.00	
Sample ID: S- 4 WEST S	IDEWALL 4.5' (	(H801788-04)							
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

ND

416

104

400

3.77

07/02/2018

### Cardinal Laboratories

Chloride

*=Accredited Analyte

PLEASE NOTE: Uability and Damages. Cardinal's liability and client's exclusive remedy for any dain arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by Clardinal, repardless of whether such claims is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Clay to trema





### Analytical Results For:

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

Received: Reported: 06/29/2018

07/02/2018

Project Name:

EAST PECOS 22 FED COM #6

Project Number:

702331,001,01

Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

Cool & Intact

Soil

06/28/2018

Tamara Oldaker

Project Location:

WPX -EDDY CO NM

Sample ID: S- 5 3.5' (H801788-05)

Chloride, SM4500CI-B

Chloride

mg/kg

Analyzed By: AC

Analyte

Result Reporting Limit

496

16.0

Analyzed 07/01/2018 Method Blank ND

BS 416 % Recovery 104

True Value QC 400

RPD 3.77 Qualifier

Sample ID: S- 5 WEST SIDEWALL 3.5' (H801788-06)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AC

Analyte Chloride

Result Reporting Limit 336

Analyzed 16.0 07/01/2018 Method Blank ND

BS % Recovery 416 104

True Value QC 400

RPD Qualifier 3.77

Sample ID: S- 6 6' (H801788-07)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AC

Analyte Chloride

Reporting Limit Result Analyzed 368 07/01/2018 16.0

Method Blank ND

BS 416 % Recovery 104

True Value QC 400

True Value QC

400

RPD 3.77 Qualifier

Sample ID: S- 6 7' (H801788-08)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AC

Analyte Chloride

Result 464

Reporting Limit 16.0

Reporting Limit

16.0

Analyzed 07/01/2018 Method Blank ND

BS 416 % Recovery 104

RPD

3.77

Qualifier

Sample ID: S- 6 WEST SIDEWALL 4' (H801788-09)

Chloride, SM4500CI-B

mg/kg Result

256

Analyzed By: AC

Analyte Chloride

Analyzed

07/01/2018

Method Blank

ND

BS % Recovery 416 104

True Value QC 400

RPD 3.77

Qualifier

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damanes. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be Fable for incidental or cons including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg to Keena

Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Received:

06/29/2018

07/02/2018

Project Name: Project Number:

Reported:

EAST PECOS 22 FED COM #6

Project Location:

702331.001.01

WPX -EDDY CO NM

Sampling Date:

Sampling Type:

416

Sampling Condition:

Sample Received By:

% Recovery

104

Cool & Intact

06/28/2018

Soil

True Value QC

400

Tamara Oldaker

RPD

3.77

Qualifier

### Sample ID: S-7 WEST SIDEWALL 4' (H801788-10)

Chloride,	SM450	OCI-E

Chloride

96.0

ND

07/01/2018

1011ue, 3144300CI-B	1119/	ĸy	Analyz	eu by. AC
Analyte	Result	Reporting Limit	Analyzed	Method Blank

16.0

### Sample ID: S- 8 EAST SIDEWALL 4' (H801788-11)

Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/01/2018	ND	416	104	400	3.77	

### Sample ID: S- 8 WEST SIDEWALL 4' (H801788-12)

Chloride, SM4500Cl-B	mg/	kg	Analyzed	i By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	. 16.0	07/01/2018	ND	416	104	400	3.77	

### Sample ID: S- 10 EAST SIDEWALL 3.5' (H801788-13)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/01/2018	ND	416	104	400	3.77	

### Sample ID: S- 14 2.5' (H801788-14)

Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/01/2018	ND	416	104	400	3.77	

### Cardinal Laboratories

Received by OCD: 10/30/2019 3:03:07 PM

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinel's liability and citent's exclusive remedy for any daim arising, whether based in contract or tort, shall be Emited to the amount paid by client for analyses. PLONE: Learning and Demograms. Continues a sounty and curricy to drive account in contract or curricy and the learning and curricy to drive any curricy and the learning and the curricy of the applicable service. In no event shall be feemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be leable for incidental or consequential damages, including, without Imitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such daim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.







### Analytical Results For:

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

Received:

06/29/2018

Reported: 07/02/2018

Project Name: Project Number: EAST PECOS 22 FED COM #6

Project Location:

702331.001.01

WPX -EDDY CO NM

Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

06/28/2018 Soil Cool & Intact

Tamara Oldaker

Sample ID: S- 14 EAST SIDEWALL 2.5' (H801788-15)

Chloride, SM4500Cl-B

Chloride

Chloride

Chloride

Chloride

mg/kg

96.0

Result

32.0

Analyzed By: AC

Analyte

Result Reporting Limit

16.0

Reporting Limit

16.0

Analyzed

07/01/2018

07/01/2018

07/01/2018

07/01/2018

Method Blank ND

BS

416

% Recovery 104

True Value QC 400

RPD 3.77

RPD

3.77

Qualifier

Sample ID: S- 14 WEST SIDEWALL 2.5' (H801788-16)

Chloride, SM4500CI-B

Analyte

mg/kg

Analyzed By: AC

Analyzed

Method Blank ND

BS 416 % Recovery 104

True Value QC 400

Qualifier

Sample ID: S- 15 2.5' (H801788-17)

Chloride, SM4500CI-B

Result

32.0

Result

560

Analyzed By: AC

Analyte

Reporting Limit

16.0

Reporting Limit

16.0

Analyzed

Method Blank

ND

BS 416 % Recovery 104

True Value QC

400

RPD 3.77

3.77

Qualifier

Sample ID: S- 15 EAST SIDEWALL 2.5' (H801788-18)

Chloride, SM4500CI-B

Analyte

mg/kg

Analyzed By: AC

Analyzed

Method Blank

ND

BS 416

% Recovery 104

True Value QC 400

RPD Qualifier

Sample ID: S- 15 WEST SIDEWALL 2.5' (H801788-19)

Chloride, SM4500Cl-B

mg/kg

64.0

Analyzed By: AC

Analyte Chloride

Result Reporting Limit

16.0

Analyzed 07/01/2018 Method Blank ND

BS % Recovery 416 104

True Value QC 400

RPD

Qualifier 3.77

Cardinal Laboratories

*=Accredited Analyte

Cardinal's liability and clent's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consecincluding, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg & Keene

Celey D. Keene, Lab Director/Quality Manager





### Analytical Results For:

TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received: Reported: 06/29/2018

07/02/2018

EAST PECOS 22 FED COM #6

Project Number:

Project Name:

702331,001.01

Project Location:

WPX -EDDY CO NM

Sampling Date:

Sampling Type:

Sample Received By:

Soil Sampling Condition: Cool & Intact

Tamara Oldaker

06/28/2018

Sample ID: S- 16 2.5' (H801788-20)

Chloride, SM4500Cl-B

Chloride

Chloride

Chloride

mg/kg

Analyzed By: AC

Analyte

Analyte

Result

32.0

Result

80.0

Reporting Limit 16.0

Analyzed 07/01/2018

Method Blank

% Recovery 104

True Value QC 400

RPD 3.77 Qualifier

Sample ID: S- 16 NORTH SIDEWALL 2.5' (H801788-21)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AC

Reporting Limit

16.0

Analyzed 07/02/2018 Method Blank ND

ND

BS 416

BS

416

% Recovery 104

True Value QC 400

RPD

Qualifier 3,77

Sample ID: S- 16 SOUTH SIDEWALL 2.5' (H801788-22)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Analyte Result Reporting Limit 1760 16.0

Analyzed 07/02/2018

Method Blank ND

BS 416 % Recovery 104

True Value QC 400

RPD 3.77 Qualifier

Sample ID: S- 18 5' (H801788-23)

Chloride, SM4500CI-B

mg/kg

Analyzed By: AC

Analyte Result Chloride 1180 Reporting Limit

Reporting Limit

16.0

Analyzed 16.0 07/02/2018 Method Blank

ND

BS 416 % Recovery 104

% Recovery

104

True Value QC 400

True Value QC

**RPD** 3.77 Qualifier

Sample ID: S- 18 7' (H801788-24)

Chloride, SM4500Cl-B

Analyzed By: AC

Analyte Chloride

mg/kg Result

1220

Analyzed 07/02/2018

Method Blank ND

BS 416

400

RPD 0.00

**Qualifier** 

Cardinal Laboratories

*=Accredited Analyte

Cardinal's Rability and client's exclusive remedy for any daim arising, whether based in contract or tort, shall be Entited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be fable including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder In no event shall Cardinal be Pable for Incidental or conseque daim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories

Celegit Keena

Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Received:

06/29/2018

Reported:

07/02/2018

Project Name:

EAST PECOS 22 FED COM #6

Project Number: Project Location:

702331.001.01 WPX -EDDY CO NM Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

06/28/2018 Soil

Cool & Intact

Tamara Oldaker

### Sample ID: S- 18 10' (H801788-25)

Chloride,	SM4500CI-B
-----------	------------

Chloride

mg/kg

Analyzed By: AC

Analyte

Result

32.0

Result

Reporting Limit 16.0

Reporting Limit

Analyzed 07/02/2018 Method Blank ND

416

BS

% Recovery 104

True Value QC 400

RPD 0.00

0.00

Qualifier

Sample ID: 1-1A-1 0.5' (H801788-26)

Chloride,	SM4500CI-B
,	J

Analyte

Analyzed By: AC

Analyzed Method Blank

BS % Recovery

True Value QC

400

RPD Qualifier

Chloride 272 16.0 07/02/2018 ND 416 104

### Sample ID: 1-1A-2 0.5' (H801788-27)

Chl	loride,	SM	450	0CI	-В

mg/kg

Analyzed By: AC

		,							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	07/02/2018	ND	416	104	400	0.00	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. PLANCE FORTIES and believing and believing and believing and the participation of the partici daim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories,

Celeg to treene

Analyte NOT DETECTED at or above the reporting limit

CARDINAL Laboratories

RPD

Relative Percent Difference

Samples not received at proper temperature of 6°C or below.

Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

Received by OCD: 10/30/2019 3:03:07 PM

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's fiability and client's exclusive remedy for any claim arising, whether based in contract or tort, shalf be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be lable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affitiates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

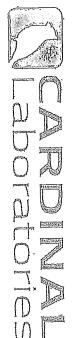
Celego trena

Celey D. Keene, Lab Director/Quality Manager



101 East Mariand, Hobbs, NM 88240 (575) 893-2326 FAX (575) 393-2476

		Constantin 0:00
		200
	Sample Condition CHECKED BY:	Delivered By: (Circle One) 5.66
		Times
	ed By:	Reinquished By:
	THE POPULATION WAS	March Times of the
☐ Yes ☐ No Add Fax	POR ELY:    Control   Cont	Refind naver garden gar
TYAS T	Enriched in Indiana-seal (and in enriche based upon my of the sports stated traspors of olitatyles). Cardinal, regardless of whether such signific based upon my of the sports stated traspors of olitatyles.	seryles. In no sventsifall Cardinal be lizbio for incidental or consequental namages, incidency without in ind sifficites or substanto aribing out of or related to the performance of services betetrated by Cardinal, regat
(eable	g Wyletkre based (n contractor rous) shak we minieu w ure-mineute prine y are minieus y 1 (inflesse made it withling and received by Cardinal (willin 30 days after completten of the appl 1-a - minieus made it en minieus (esse film) er fass of thothe fraktred by clerk, te substitictions,	त्वित्त क्षेत्रक प्रमाधिक क्ष्यक्ष क्ष्यक्ष क्ष्य है। इस्ते क्ष्यक्ष क्ष्यक्ष क्ष्यक्ष क्ष्यक्ष क्ष्यक्ष क्ष्य
	KKRO	10 5-7 West 5, dewall 4 11 11
	02/6	9 5.6 West Sibrall 4.
	1180	15 9.5 8
	27/2	12000
	08/0	7 6.5 West Sidewall 3.5 11
	- S08y	٦ ، ١٠
	90%0	670/11 4-5
	0504	2000
	1 2080	2 6.3 60, CT 6, How [ 3.5 11 11
	7 2080 31.92.9 7	6-1 Ever Side North 4.5' 6.1
	SO OIL SLI OT AC	
	UDGE HER: ID/BASE: E/GOOL HER:	Lab LD, Sample LD, RAB OR (ONTAINE
	WATRIX PRESERV, SAMPLING	
	Fax#	Gentoler Hame: \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	Phone #:	Project Location: SMAY (DM)
	State: Zip:	me: Eust Po
	7.X Citys	Project & 702321,001,01 Project Owner W
	05 Address:	Phones: 575-746-8768 Fars: 575-746-8905
	210 Attn:	esia State
	company: Talon/LPE	Address: 408 W. Texas Ave.
	<i>P,O,栋</i>	
8		Company Name: Talon/LPE
		CAT CAT CARE CARRED BY THE CARE

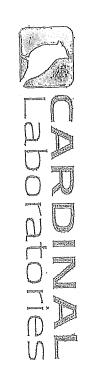


# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

DOTATOTIOS

101 East Warland, Hobbs, NW 88240
1675) 202-2026 FAY 1675) 202-2076

		No. I No. H	Cornetted S.SSE	Sampler-UPS - Bus - Other
	S. T. S.	18.0	5.6c sa	Delivered By: (Circle One)
		•	Timer	
		V2	Date: Received By	Beingmished By:
	C. RENEARKON	1.040 & raws XI	Times: 42 1011	Mary - Survey
es 口 No Add ( Paone等: es 口 No Add ( Fax)等;	Phone Regult: Tes	yz III	Dais, Received By:	Reinquisned By:
	1	njade ji widdig wie feetyed by Caldias willis ca neas fileruptons, less of use, or loss of profile fileti chefitersuch plaim is based poon any of the stocks of	ŋy olher rausa whatasever sital ba-deemed walved tiplese or consequenta) damageo, including witnott iimitalion, bits ormanos olwervices hetetader by Cardinal, regatdiess of	
	aunt paid by the ollent for the	er based in contract or took shall be limited to the am	A sud elleur, exclusion touch, tar and claim raterial Alien	PLEASE NOTE: Liability and Damages, Caldinal Cliability
-	0838	-	Y Samuel Constitution of the Constitution of t	71.2 (16
	. 830		1	10/200
	0634		June 25'	7536 31381
	0.832			130 220
	800		C. J. C. M. 2. S. 1.	7
	· 8x30		12 mal 2 5	1.1 M.D
	9830		7	V. M.
	0829		(1):10 / 2 K	ナンディクシャ
	0822		14 /11011	120101
	1 0 23 J 31 52 9	1 1 1 6.25	S. H. B.	17238911
	DATE TIME	SOIL OIL SLU OTH AGII ICE	#CC GRC	4701788
	7		<b></b>	Lab I-D. Sample I-D.
,	- 111	3	(C)OMI ERS VATER	
	SAMPLING	MATRIX PRESERVI SA	1.	FOR LABURE ONLY
	·	· Faxe		Gempler Names C Now
	1	戸方の双音 帯:	nikest?	Children Tables of Tables
		State: Zip:	CB 22	ame: Forst Pa
		Cityx	o) Project Owner: W/X	Project デクスシス/. ロット. ロ
		Addressa	Fax#: 575-746-8905	Phone # 575-746-8768
		Atting	State: NM Zp; 88210	
	VLPE .	company: Talon/I	Ave.	W. Texas
	-	F,O,费	75.	Project Manager: D. C. A.
TOURSE NOTABLE				Company Name: Talon/LPE
			THE COLD CON PLANT	



### OF-CUSTODY AND ANAI

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Hariand, Hodds, Nihi 88240 1771 707-576 FAY 1875) 893-2476	1
The state of the s	SSATURE SISKINAN
D. a.k.ns	
W. Texas Ave	company: Talon/LPE
State	Attos
-746-8768 F	<u>kridress</u> ;
1,01	City?
me Sout Proc	Stafe: Zip: C
10) CP/25 :200	Phone #
Supervior Manner Supervision S	
EDEL ARTISE ONLY WATERLY	[PRESERVY SAMPLING
OMP.	
RABOR (OUNDWAY ASTEWATE LUDGE	HER: CID/BASE: E/GOOL THER: C/
クライン / / / / / / / / / / / / / / / / / / /	081.883
2 1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	08/2
De source winds	
14 10 4	59%
	08/8:
	03.20
20 112 12 12 12 12 12 12 12 12 12 12 12 12	0852
PLEASE NOTE: Liabilly and Damagers. Caldina's biblily and dismiss acquained entering claim actors where trace it is entractor to by said to limited at the amount of the replicable places. It is also because the control of the replicable provided by the carried of the replicable and the replicable places of the places of th	Corrioty, Shall be limited for the amounty park day the clean corrior de peaning selby Countidon Wilfing and eagly after comprehend of the applicable force of time, or loss of profess from the profess of the selby districts.
affletes or substance affeing out of or related to the performance observious betrehner by unfamily equal to see the second seco	Figure Regule:   Yes   No Addi Projeti
Time: 447 8	
Relinduished By:  Date: Received By:  Time:	
Delivered By: (Circle One) 5, 6. Sample Condition Copy Infact.	SON CHECKED BY:
֡֝֜֝֜֝֜֜֝֜֜֝֜֜֜֜֝֜֜֜֜֜֜֜֓֓֓֓֓֓֓֜֜֜֜֜֜֜֜֓֓֓֓֓֜֜֜֜֓֜֓֜֜֜֡֓֜֜֜֜֡֡֓֜֜֜֜֡֡֜֜֜֜֜֡֡֜֜֜֡֡֡	



July 11, 2018

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: EAST PECOS 22 FED COM #6

Enclosed are the results of analyses for samples received by the laboratory on 07/11/18 12:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-10. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accred certif.html.

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

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey & Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

### Analytical Results For:

TALON LPE
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received: Reported:

07/11/2018

**CARDINAL** Laboratories

07/11/2018

/11/2018

Project Name:

EAST PECOS 22 FED COM #6

Project Number: Project Location:

702331.001.01 WPX -EDDY CO NM Sampling Date:

07/10/2018

Soil

Sampling Type: Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

### Sample ID: S- 2 WEST SIDEWALL 3.5' (H801886-01)

Chloride, SM4500CI-B

mg/kc

Analyzed By: AC

Analyte

Result Reporting Limit

Analyzed

Method Blank

BS

% Recovery 104 True Value QC

RPD

Qualifier

Chloride

Chloride

208

16.0 07/11/2018

ND

416

400

0.00

•

Sample ID: S- 16 SOUTH SIDEWALL 2.5' (H801886-02)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Analyte Result 96.0

Reporting Limit Analy 16.0 07/11/

Analyzed 07/11/2018

Method Blank ND BS 416 % Recovery 104

True Value QC 400 RPD 0.00

Qualifier

Cardinal Laboratories

Received by OCD: 10/30/2019 3:03:07 PM

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and clients exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed walved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of porfits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This

Clay & Keene



### **Notes and Definitions**

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch

accepted based on LCS and/or LCSD recovery and/or RPD values.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

Received by OCD: 10/30/2019 3:03:07 PM

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its additional properties of related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg to trune

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Hariand, Hobbe, NW 88240 (576) 898-2325 FAX (575) 899-2476

			- 1
Company Raines [2101/LPE	r		TOTAL STATE OF THE
Project Managers 9. Odkins.		P,C,悉	
Address: 408 W. Texas Ave.		Company: Talon/LPE	
States NIM	지p: 88210	Aftn;	
-746-8768	46-8905	Address	
10 11	MAX	City	
Project Name: PRST PCCOS US		States Zips	
in Eddy Count		Phone #	
r	•		
FORLASIGEONLY	XIRTEM	PRESERVY SAMPLING	
Lab I.D. Sample I.D.	BOR (C)OMF TAINERS NOWATER EWATER	R: BASE: BOOL	
H8801881	#GON GROU	OTHER AGID/E IOE/AG OTHER DATE TIME	
15-2 west sidewall 5.5	6	7-10:181300 0	
2 5-16 South Side well 2,5		7.16-15-0730	
		1	
	1		
•			
יינות אות מוני של היינות ה היינות היינות הי	y claim aciding whether based in contrad	restricts; under on emisso to the amount that a price of the other latter.	

Celivered By: (Circle One)
Sampier-UPS - Bus - Other

Times

Page 75 of 76

[†] Cardinai camnot accept verbai changes. Piease fax written changes to (578) 393-2326

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

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

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

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

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

CONDITIONS

Action 2171

### **CONDITIONS**

Operator:	OGRID:
WPX Energy Permian, LLC	246289
Devon Energy - Regulatory	Action Number:
Oklahoma City, OK 73102	2171
	Action Type:
	[C-141] Release Corrective Action (C-141)

### CONDITIONS

Created By	Condition	Condition Date
bbillings	None	6/11/2021