

Form C-141

State of New Mexico
Oil Conservation Division

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Incident ID	nAB1914256886
District RP	2RP-5440
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Mike Barrett

Title: Production Superintendent

Signature: 

Date: 4-28-20

email: mbarrett@limerockresources.com

Telephone: 575-365-9724

OCD Only

Received by: Cristina Eads

Date: 04/29/2020

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: 04/29/2020

Printed Name: Cristina Eads

Title: Environmental Specialist

Analytical Report

Lab Order 2001971

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Project: WRLV Water Station

Lab ID: 2001971-001

Matrix: SOIL

Client Sample ID: B-5 2'

Collection Date: 1/22/2020 8:30:00 AM

Received Date: 1/24/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	1/28/2020 6:45:54 PM	50066
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/28/2020 6:45:54 PM	50066
Surr: DNOP	99.8	55.1-146		%Rec	1	1/28/2020 6:45:54 PM	50066
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.0		mg/Kg	1	1/28/2020 5:01:54 PM	G66126
Surr: BFB	88.0	66.6-105		%Rec	1	1/28/2020 5:01:54 PM	G66126

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 Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

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

Analytical Report

Lab Order 2001971

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: B-6 2'

Project: WRLV Water Station

Collection Date: 1/22/2020 8:50:00 AM

Lab ID: 2001971-003

Matrix: SOIL

Received Date: 1/24/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	1/28/2020 9:47:03 PM	G66149
Surr: BFB	92.9	70-130		%Rec	1	1/28/2020 9:47:03 PM	G66149
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	1/28/2020 7:03:59 PM	50066
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	1/28/2020 7:03:59 PM	50066
Surr: DNOP	84.1	55.1-146		%Rec	1	1/28/2020 7:03:59 PM	50066

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

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

Analytical Report

Lab Order 2001971

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-3 N. Sidewall Comp 0-1'

Project: WRLV Water Station

Collection Date: 1/22/2020 9:15:00 AM

Lab ID: 2001971-006

Matrix: SOIL

Received Date: 1/24/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	12000	590		mg/Kg	200	1/29/2020 12:10:55 PM	50105
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.1		mg/Kg	1	1/28/2020 11:12:09 PM	G66149
Surr: BFB	91.6	70-130		%Rec	1	1/28/2020 11:12:09 PM	G66149
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	1/29/2020 11:04:20 AM	50066
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	1/29/2020 11:04:20 AM	50066
Surr: DNOP	108	55.1-146		%Rec	1	1/29/2020 11:04:20 AM	50066
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.020		mg/Kg	1	1/28/2020 11:12:09 PM	R66149
Toluene	ND	0.041		mg/Kg	1	1/28/2020 11:12:09 PM	R66149
Ethylbenzene	ND	0.041		mg/Kg	1	1/28/2020 11:12:09 PM	R66149
Xylenes, Total	ND	0.082		mg/Kg	1	1/28/2020 11:12:09 PM	R66149
Surr: 1,2-Dichloroethane-d4	94.6	70-130		%Rec	1	1/28/2020 11:12:09 PM	R66149
Surr: 4-Bromofluorobenzene	94.5	70-130		%Rec	1	1/28/2020 11:12:09 PM	R66149
Surr: Dibromofluoromethane	93.7	70-130		%Rec	1	1/28/2020 11:12:09 PM	R66149
Surr: Toluene-d8	93.7	70-130		%Rec	1	1/28/2020 11:12:09 PM	R66149

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

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

Analytical Report

Lab Order 2001971

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Project: WRLV Water Station

Lab ID: 2001971-007

Matrix: SOIL

Client Sample ID: S-3 N. Sidewall Comp 2'

Collection Date: 1/22/2020 9:20:00 AM

Received Date: 1/24/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1800	60		mg/Kg	20	1/28/2020 5:54:52 PM	50105

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 Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

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

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Analytical Report

Lab Order 2001971

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Project: WRLV Water Station

Lab ID: 2001971-008

Matrix: SOIL

Client Sample ID: S-3 S. Sidewall Comp 0-1'

Collection Date: 1/22/2020 9:30:00 AM

Received Date: 1/24/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	770	60		mg/Kg	20	1/28/2020 6:07:13 PM	50105
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.3		mg/Kg	1	1/29/2020 3:26:30 AM	G66149
Surr: BFB	93.9	70-130		%Rec	1	1/29/2020 3:26:30 AM	G66149
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	1/28/2020 7:48:57 PM	50066
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/28/2020 7:48:57 PM	50066
Surr: DNOP	103	55.1-146		%Rec	1	1/28/2020 7:48:57 PM	50066
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.021		mg/Kg	1	1/29/2020 3:26:30 AM	R66149
Toluene	ND	0.043		mg/Kg	1	1/29/2020 3:26:30 AM	R66149
Ethylbenzene	ND	0.043		mg/Kg	1	1/29/2020 3:26:30 AM	R66149
Xylenes, Total	ND	0.086		mg/Kg	1	1/29/2020 3:26:30 AM	R66149
Surr: 1,2-Dichloroethane-d4	92.6	70-130		%Rec	1	1/29/2020 3:26:30 AM	R66149
Surr: 4-Bromofluorobenzene	99.8	70-130		%Rec	1	1/29/2020 3:26:30 AM	R66149
Surr: Dibromofluoromethane	93.2	70-130		%Rec	1	1/29/2020 3:26:30 AM	R66149
Surr: Toluene-d8	92.8	70-130		%Rec	1	1/29/2020 3:26:30 AM	R66149

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

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

Analytical Report

Lab Order 2001971

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: S-3 S. Sidewall Comp 2'

Project: WRLV Water Station

Collection Date: 1/22/2020 9:35:00 AM

Lab ID: 2001971-009

Matrix: SOIL

Received Date: 1/24/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	120	60		mg/Kg	20	1/28/2020 6:19:34 PM	50105

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

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

Analytical Report

Lab Order 2001971

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Project: WRLV Water Station

Lab ID: 2001971-010

Matrix: SOIL

Client Sample ID: S-3 W. Sidewall Comp 0-1'

Collection Date: 1/22/2020 9:40:00 AM

Received Date: 1/24/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1600	60		mg/Kg	20	1/28/2020 6:56:37 PM	50105
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	1/29/2020 4:22:48 AM	G66149
Surr: BFB	95.3	70-130		%Rec	1	1/29/2020 4:22:48 AM	G66149
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	1/28/2020 8:06:52 PM	50066
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	1/28/2020 8:06:52 PM	50066
Surr: DNOP	63.0	55.1-146		%Rec	1	1/28/2020 8:06:52 PM	50066
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.023		mg/Kg	1	1/29/2020 4:22:48 AM	R66149
Toluene	ND	0.046		mg/Kg	1	1/29/2020 4:22:48 AM	R66149
Ethylbenzene	ND	0.046		mg/Kg	1	1/29/2020 4:22:48 AM	R66149
Xylenes, Total	ND	0.093		mg/Kg	1	1/29/2020 4:22:48 AM	R66149
Surr: 1,2-Dichloroethane-d4	89.4	70-130		%Rec	1	1/29/2020 4:22:48 AM	R66149
Surr: 4-Bromofluorobenzene	98.3	70-130		%Rec	1	1/29/2020 4:22:48 AM	R66149
Surr: Dibromofluoromethane	96.4	70-130		%Rec	1	1/29/2020 4:22:48 AM	R66149
Surr: Toluene-d8	95.9	70-130		%Rec	1	1/29/2020 4:22:48 AM	R66149

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

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

Analytical Report

Lab Order 2001971

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Project: WRLV Water Station

Lab ID: 2001971-011

Matrix: SOIL

Client Sample ID: S-3 W. Sidewall Comp 2'

Collection Date: 1/22/2020 9:45:00 AM

Received Date: 1/24/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	810	60		mg/Kg	20	1/28/2020 7:08:57 PM	50105

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

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

Analytical Report

Lab Order 2001971

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Project: WRLV Water Station

Lab ID: 2001971-012

Matrix: SOIL

Client Sample ID: E. Sidewall Comp #1 0-1'

Collection Date: 1/22/2020 10:00:00 AM

Received Date: 1/24/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	100	59		mg/Kg	20	1/28/2020 7:21:18 PM	50105
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	5.1		mg/Kg	1	1/29/2020 5:19:03 AM	G66149
Surr: BFB	94.8	70-130		%Rec	1	1/29/2020 5:19:03 AM	G66149
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	1/28/2020 9:27:24 PM	50071
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	1/28/2020 9:27:24 PM	50071
Surr: DNOP	91.3	55.1-146		%Rec	1	1/28/2020 9:27:24 PM	50071
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.025		mg/Kg	1	1/29/2020 5:19:03 AM	R66149
Toluene	ND	0.051		mg/Kg	1	1/29/2020 5:19:03 AM	R66149
Ethylbenzene	ND	0.051		mg/Kg	1	1/29/2020 5:19:03 AM	R66149
Xylenes, Total	ND	0.10		mg/Kg	1	1/29/2020 5:19:03 AM	R66149
Surr: 1,2-Dichloroethane-d4	88.1	70-130		%Rec	1	1/29/2020 5:19:03 AM	R66149
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	1/29/2020 5:19:03 AM	R66149
Surr: Dibromofluoromethane	95.8	70-130		%Rec	1	1/29/2020 5:19:03 AM	R66149
Surr: Toluene-d8	96.6	70-130		%Rec	1	1/29/2020 5:19:03 AM	R66149

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 Quantitative Limit
	S	% Recovery outside of range due to dilution or matrix

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

Analytical Report

Lab Order 2001971

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Client Sample ID: E. Sidewall Comp #2 0-1'

Project: WRLV Water Station

Collection Date: 1/22/2020 10:15:00 AM

Lab ID: 2001971-014

Matrix: SOIL

Received Date: 1/24/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	4800	150		mg/Kg	50	1/29/2020 12:48:07 PM	50105
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	1/29/2020 8:56:37 AM	50086
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/29/2020 8:56:37 AM	50086
Surr: DNOP	82.9	55.1-146		%Rec	1	1/29/2020 8:56:37 AM	50086
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/28/2020 5:48:55 PM	50070
Surr: BFB	85.8	66.6-105		%Rec	1	1/28/2020 5:48:55 PM	50070
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.025		mg/Kg	1	1/29/2020 3:59:25 PM	50070
Toluene	ND	0.049		mg/Kg	1	1/29/2020 3:59:25 PM	50070
Ethylbenzene	ND	0.049		mg/Kg	1	1/29/2020 3:59:25 PM	50070
Xylenes, Total	ND	0.098		mg/Kg	1	1/29/2020 3:59:25 PM	50070
Surr: 1,2-Dichloroethane-d4	94.1	70-130		%Rec	1	1/29/2020 3:59:25 PM	50070
Surr: 4-Bromofluorobenzene	92.0	70-130		%Rec	1	1/29/2020 3:59:25 PM	50070
Surr: Dibromofluoromethane	97.4	70-130		%Rec	1	1/29/2020 3:59:25 PM	50070
Surr: Toluene-d8	98.3	70-130		%Rec	1	1/29/2020 3:59:25 PM	50070

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

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

Analytical Report

Lab Order 2001971

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Project: WRLV Water Station

Lab ID: 2001971-015

Matrix: SOIL

Client Sample ID: E. Sidewall Comp #2 2'

Collection Date: 1/22/2020 10:20:00 AM

Received Date: 1/24/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	1/28/2020 8:23:02 PM	50105

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

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

Analytical Report

Lab Order 2001971

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Project: WRLV Water Station

Lab ID: 2001971-016

Matrix: SOIL

Client Sample ID: E. Sidewall Comp #3 0-1'

Collection Date: 1/22/2020 10:30:00 AM

Received Date: 1/24/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	60		mg/Kg	20	1/28/2020 8:35:23 PM	50105
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.3		mg/Kg	1	1/29/2020 6:15:21 AM	G66149
Surr: BFB	91.2	70-130		%Rec	1	1/29/2020 6:15:21 AM	G66149
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	8.5		mg/Kg	1	1/28/2020 9:45:15 PM	50071
Motor Oil Range Organics (MRO)	ND	42		mg/Kg	1	1/28/2020 9:45:15 PM	50071
Surr: DNOP	71.0	55.1-146		%Rec	1	1/28/2020 9:45:15 PM	50071
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.022		mg/Kg	1	1/29/2020 6:15:21 AM	R66149
Toluene	ND	0.043		mg/Kg	1	1/29/2020 6:15:21 AM	R66149
Ethylbenzene	ND	0.043		mg/Kg	1	1/29/2020 6:15:21 AM	R66149
Xylenes, Total	ND	0.086		mg/Kg	1	1/29/2020 6:15:21 AM	R66149
Surr: 1,2-Dichloroethane-d4	89.3	70-130		%Rec	1	1/29/2020 6:15:21 AM	R66149
Surr: 4-Bromofluorobenzene	97.4	70-130		%Rec	1	1/29/2020 6:15:21 AM	R66149
Surr: Dibromofluoromethane	96.1	70-130		%Rec	1	1/29/2020 6:15:21 AM	R66149
Surr: Toluene-d8	94.8	70-130		%Rec	1	1/29/2020 6:15:21 AM	R66149

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 Quantitative Limit
	S	% Recovery outside of range due to dilution or matrix

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

Analytical Report

Lab Order 2001971

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Project: WRLV Water Station

Lab ID: 2001971-018

Matrix: SOIL

Client Sample ID: E. Sidewall Comp #4 0-1'

Collection Date: 1/22/2020 10:45:00 AM

Received Date: 1/24/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	4500	150		mg/Kg	50	1/29/2020 1:00:32 PM	50105
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.3		mg/Kg	1	1/29/2020 7:12:40 AM	G66149
Surr: BFB	95.8	70-130		%Rec	1	1/29/2020 7:12:40 AM	G66149
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	1/28/2020 10:03:06 PM	50071
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	1/28/2020 10:03:06 PM	50071
Surr: DNOP	87.6	55.1-146		%Rec	1	1/28/2020 10:03:06 PM	50071
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.021		mg/Kg	1	1/29/2020 7:12:40 AM	R66149
Toluene	ND	0.043		mg/Kg	1	1/29/2020 7:12:40 AM	R66149
Ethylbenzene	ND	0.043		mg/Kg	1	1/29/2020 7:12:40 AM	R66149
Xylenes, Total	ND	0.086		mg/Kg	1	1/29/2020 7:12:40 AM	R66149
Surr: 1,2-Dichloroethane-d4	86.3	70-130		%Rec	1	1/29/2020 7:12:40 AM	R66149
Surr: 4-Bromofluorobenzene	92.0	70-130		%Rec	1	1/29/2020 7:12:40 AM	R66149
Surr: Dibromofluoromethane	101	70-130		%Rec	1	1/29/2020 7:12:40 AM	R66149
Surr: Toluene-d8	98.7	70-130		%Rec	1	1/29/2020 7:12:40 AM	R66149

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

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

Analytical Report

Lab Order 2001971

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Project: WRLV Water Station

Lab ID: 2001971-019

Matrix: SOIL

Client Sample ID: E. Sidewall Comp #4 2'

Collection Date: 1/22/2020 10:50:00 AM

Received Date: 1/24/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	5000	150		mg/Kg	50	1/29/2020 1:12:56 PM	50105

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 Quantitative Limit
 S % Recovery outside of range due to dilution or matrix

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

Page 14 of 0

Analytical Report

Lab Order 2001971

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Project: WRLV Water Station

Lab ID: 2001971-020

Matrix: SOIL

Client Sample ID: W. Sidewall Comp #1 0-1'

Collection Date: 1/22/2020 11:00:00 AM

Received Date: 1/24/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	210	60		mg/Kg	20	1/28/2020 9:24:46 PM	50105
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.1		mg/Kg	1	1/29/2020 8:09:41 AM	G66149
Surr: BFB	94.9	70-130		%Rec	1	1/29/2020 8:09:41 AM	G66149
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	1/28/2020 10:20:57 PM	50071
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/28/2020 10:20:57 PM	50071
Surr: DNOP	69.2	55.1-146		%Rec	1	1/28/2020 10:20:57 PM	50071
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.020		mg/Kg	1	1/29/2020 8:09:41 AM	R66149
Toluene	ND	0.041		mg/Kg	1	1/29/2020 8:09:41 AM	R66149
Ethylbenzene	ND	0.041		mg/Kg	1	1/29/2020 8:09:41 AM	R66149
Xylenes, Total	ND	0.082		mg/Kg	1	1/29/2020 8:09:41 AM	R66149
Surr: 1,2-Dichloroethane-d4	92.1	70-130		%Rec	1	1/29/2020 8:09:41 AM	R66149
Surr: 4-Bromofluorobenzene	91.1	70-130		%Rec	1	1/29/2020 8:09:41 AM	R66149
Surr: Dibromofluoromethane	98.5	70-130		%Rec	1	1/29/2020 8:09:41 AM	R66149
Surr: Toluene-d8	102	70-130		%Rec	1	1/29/2020 8:09:41 AM	R66149

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 Quantitative Limit
S % Recovery outside of range due to dilution or matrix

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

Analytical Report

Lab Order 2001971

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Project: WRLV Water Station

Lab ID: 2001971-022

Matrix: SOIL

Client Sample ID: W. Sidewall Comp #2 0-1'

Collection Date: 1/22/2020 11:10:00 AM

Received Date: 1/24/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	970	60		mg/Kg	20	1/28/2020 10:14:10 PM	50105
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/29/2020 9:07:01 AM	G66149
Surr: BFB	97.4	70-130		%Rec	1	1/29/2020 9:07:01 AM	G66149
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	74	9.5		mg/Kg	1	1/29/2020 9:59:23 AM	50123
Motor Oil Range Organics (MRO)	74	47		mg/Kg	1	1/29/2020 9:59:23 AM	50123
Surr: DNOP	118	55.1-146		%Rec	1	1/29/2020 9:59:23 AM	50123
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: JMR
Benzene	ND	0.023		mg/Kg	1	1/29/2020 9:07:01 AM	R66149
Toluene	ND	0.047		mg/Kg	1	1/29/2020 9:07:01 AM	R66149
Ethylbenzene	ND	0.047		mg/Kg	1	1/29/2020 9:07:01 AM	R66149
Xylenes, Total	ND	0.094		mg/Kg	1	1/29/2020 9:07:01 AM	R66149
Surr: 1,2-Dichloroethane-d4	89.8	70-130		%Rec	1	1/29/2020 9:07:01 AM	R66149
Surr: 4-Bromofluorobenzene	92.7	70-130		%Rec	1	1/29/2020 9:07:01 AM	R66149
Surr: Dibromofluoromethane	95.8	70-130		%Rec	1	1/29/2020 9:07:01 AM	R66149
Surr: Toluene-d8	101	70-130		%Rec	1	1/29/2020 9:07:01 AM	R66149

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

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

Analytical Report

Lab Order 2001971

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Talon Artesia

Project: WRLV Water Station

Lab ID: 2001971-023

Matrix: SOIL

Client Sample ID: W. Sidewall Comp #2 2'

Collection Date: 1/22/2020 11:15:00 AM

Received Date: 1/24/2020 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	70	60		mg/Kg	20	1/28/2020 10:51:13 PM	50105
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: JMR
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	1/29/2020 9:35:26 AM	G66149
Surr: BFB	91.0	70-130		%Rec	1	1/29/2020 9:35:26 AM	G66149
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	1/28/2020 10:47:44 PM	50071
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/28/2020 10:47:44 PM	50071
Surr: DNOP	81.2	55.1-146		%Rec	1	1/28/2020 10:47:44 PM	50071

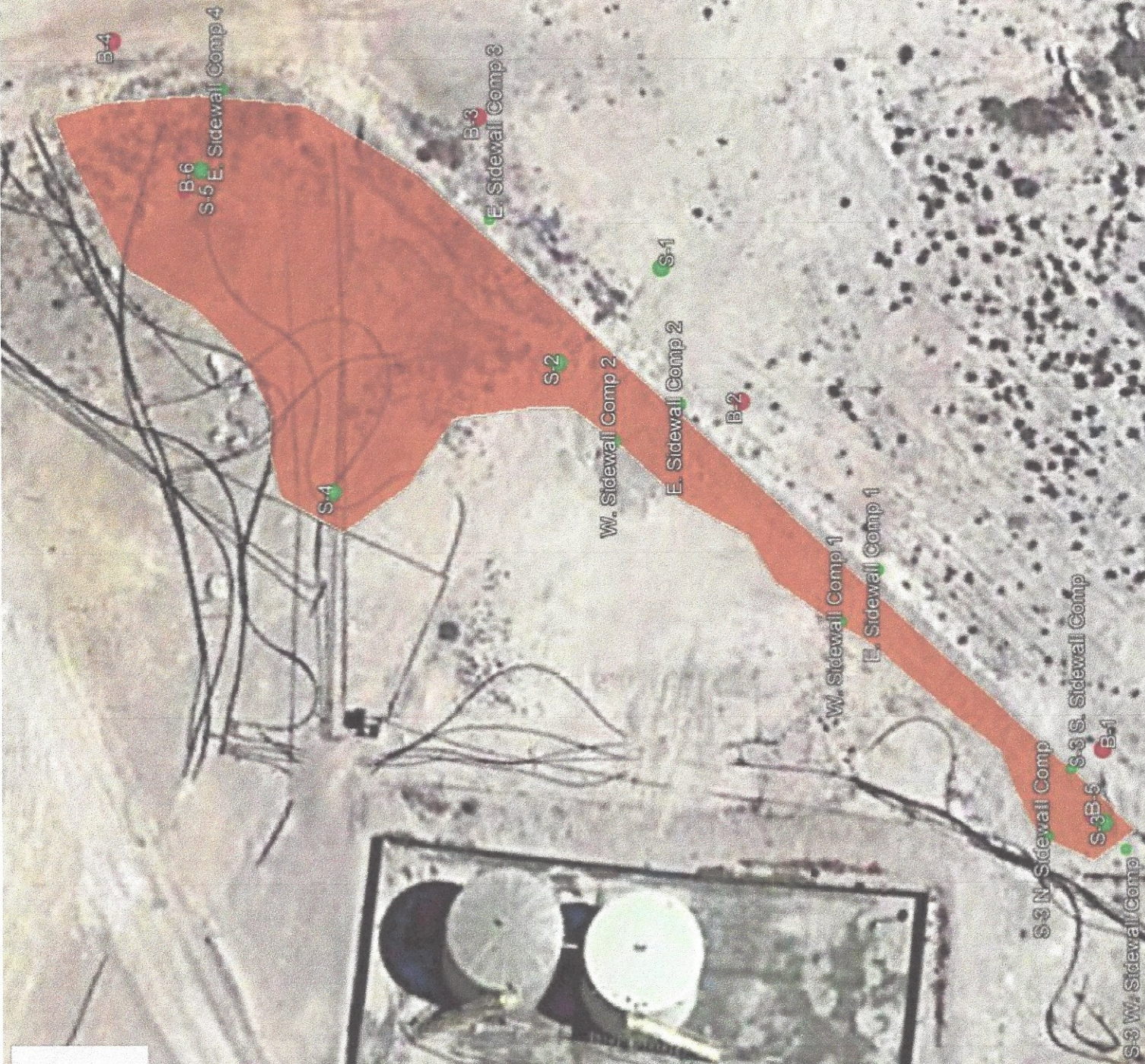
Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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

Legend



Station #1





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

February 05, 2020

CHRIS JONES

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: WRLU WATER STATION

Enclosed are the results of analyses for samples received by the laboratory on 02/04/20 16:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/04/2020
Reported: 02/05/2020
Project Name: WRLU WATER STATION
Project Number: 701307.124.01
Project Location: LIMEROCK - EDDY COUNTY, NM

Sampling Date: 01/22/2020
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: S - 3 N. SIDEWALL COMP 2.5' (H000338-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/05/2020	ND	432	108	400	3.77		

Sample ID: S - 3 W. SIDEWALL COMP 2.5' (H000338-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/05/2020	ND	432	108	400	3.77	

Sample ID: E. SIDEWALL COMP #4 2.5' (H000338-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	02/05/2020	ND	432	108	400	3.77		

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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. 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 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.

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

ANALYSIS REQUEST																																																										
Company Name: Talon/LPE Project Manager: C. Jones Address: 408 W. Texas Ave. City: Artesia State: NM Zip: 88210 Phone #: 575-746-8768 Fax #: 575-746-8905 Project #: 701307.124.01 Project Owner: Line Rock Project Name: WRU Water Station Project Location: Eddy, NM Sampler Name: C. Jones																																																										
P.O. #: Company: Talon/LPE Attn: Address: City: State: Zip: Phone #: Fax #:																																																										
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Lab I.D.</th> <th rowspan="2">Sample I.D.</th> <th colspan="4">MATRIX</th> <th colspan="3">PRESERV</th> <th colspan="2">SAMPLING</th> </tr> <tr> <th>GROUNDWATER</th> <th>SLUDGE</th> <th>OTHER:</th> <th>ACID/BASE</th> <th>ICE/COOL</th> <th>OTHER:</th> <th>DATE</th> <th>TIME</th> </tr> </thead> <tbody> <tr> <td>1 A000338</td> <td>53 N. Sidewell Comp 2.5'</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1-22-8</td> <td>920</td> </tr> <tr> <td>2</td> <td>53 W. Sidewell Comp 2.5'</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>945</td> </tr> <tr> <td>3</td> <td>E. Sidewell Comp #4 2.5'</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1050</td> </tr> </tbody> </table>										Lab I.D.	Sample I.D.	MATRIX				PRESERV			SAMPLING		GROUNDWATER	SLUDGE	OTHER:	ACID/BASE	ICE/COOL	OTHER:	DATE	TIME	1 A000338	53 N. Sidewell Comp 2.5'							1-22-8	920	2	53 W. Sidewell Comp 2.5'								945	3	E. Sidewell Comp #4 2.5'								1050
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<p>FOR LAB USE ONLY</p> <p>(G) RAB OR (C) OMP. # CONTAINERS</p>																																																										
<p>PLEASE NOTE: Liability and Damages, Customer Ability and Client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other causes whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable services. In no event shall Cardinal be liable for indirect or consequential damages, 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																																																										
Relinquished By: _____ Date: 8-4-20 Received By: _____ Time: 10:55 Relinquished By: _____ Date: _____ Received By: _____ Time: _____																																																										
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 5.1c #113																																																										
REMARKS: Chlorides Rush!																																																										

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

[illegible]

[illegible]

1-22-20 WRLU Water Station Geo Tagged Boring Pictures

