

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

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

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company: DJR Operating, LLC	Contact: Amy Archuleta	
Address: 1 ROAD 3263 Aztec, NM 87410-9521	Telephone No.: 505-632-3476 x201	
Facility Name: Candado 24A	Facility Type: Well	
Surface Owner: Federal	Mineral Owner: Federal	API No.: 30-039-22132

LOCATION OF RELEASE

Unit Letter E	Section 9	Township 26N	Range 07W	Feet from the 1490	North/South Line NORTH	Feet from the 905	East/West Line WEST	County RIO ARRIBA
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Latitude 36.39366 Longitude -108.0555 NAD83

NATURE OF RELEASE

Type of Release Produced Water (Historic)	Volume of Release Unknown	Volume Recovered 12 yds soil
Source of Release Below Grade Tank (BGT)	Date and Hour of Occurrence 5-09-18	Date and Hour of Discovery 1:30 PM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Cory Smith & Vanessa Fields	
By Whom? Amy Archuleta	Date and Hour 5-10-18 1:30 PM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

NMOCD

JUL 12 2018

Describe Cause of Problem and Remedial Action Taken.*

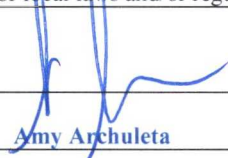
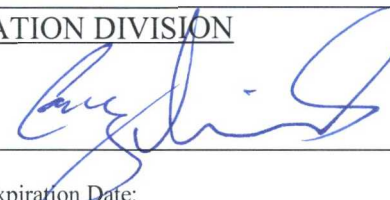
While clean out the BGT for this area a hole in the fiberglass pit was detected. The pit was cleaned out.

DISTRICT III

Describe Area Affected and Cleanup Action Taken.*

The BGT was removed and 12 yds of contaminated soil was excavated and disposed of at IEI's landfarm. This BGT area will be closed out per it's approved closure plan. The original soil sample results were high in chlorides. A background sample for chlorides was taken and it was determined that this area is high in chlorides.

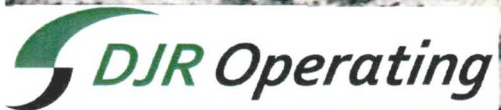
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger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

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Amy Archuleta	Approved by Environmental Specialist: 	
Title: Regulatory	Approval Date:	Expiration Date:
E-mail Address: aarchuleta@djrlc.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 07-09-18 Phone: 505-632-3476 x201		

* Attach Additional Sheets If Necessary

#NCS 18 143399 38

17



Candado 24A
API: 30-039-22132
Lease: NMNM 079161
CA: NMNM 76116
SW/NW Section 9-T26N-R07W
Rio Arriba County, NM
Lat: 36.5037575
Long: -107.5862503

36.5037575 -107.5862503

W
H

Meter

210
bbl



North/West Samples:	Chloride: 1100	GRO/DRO/MRO: ND	BTEX: ND
East/South Samples:	Chloride: 1300	GRO/DRO/MRO: ND	BTEX: ND
Bottom Samples:	Chloride: 1300	GRO/DRO/MRO: 91 mg/kg	BTEX: ND



Background Chloride: 540

Lat: 36.503358 Long: -107.586358

Survey
Google Earth



70 ft



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

June 01, 2018

Amy Archuleta
DJR Operating
PO Box 156
Bloomfield, NM 87413
TEL: (505) 320-6917
FAX

RE: Candado

OrderNo.: 1805A49

Dear Amy Archuleta:

Hall Environmental Analysis Laboratory received 3 sample(s) on 5/18/2018 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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical ReportLab Order **1805A49**

Date Reported: 6/1/2018

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** DJR Operating**Client Sample ID:** Candado 24A BGT West/North**Project:** Candado**Collection Date:** 5/17/2018 10:10:00 AM**Lab ID:** 1805A49-001**Matrix:** SOIL**Received Date:** 5/18/2018 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	1100	30		mg/Kg	20	5/23/2018 1:42:23 PM	38280
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/22/2018 4:38:49 PM	38225
Surr: BFB	116	70-130		%Rec	1	5/22/2018 4:38:49 PM	38225
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: lrm
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	5/22/2018 3:00:59 PM	38228
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/22/2018 3:00:59 PM	38228
Surr: DNOP	115	70-130		%Rec	1	5/22/2018 3:00:59 PM	38228
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	5/22/2018 4:38:49 PM	38225
Benzene	ND	0.025		mg/Kg	1	5/22/2018 4:38:49 PM	38225
Toluene	ND	0.050		mg/Kg	1	5/22/2018 4:38:49 PM	38225
Ethylbenzene	ND	0.050		mg/Kg	1	5/22/2018 4:38:49 PM	38225
Xylenes, Total	ND	0.099		mg/Kg	1	5/22/2018 4:38:49 PM	38225
Surr: 4-Bromofluorobenzene	127	70-130		%Rec	1	5/22/2018 4:38:49 PM	38225
Surr: Toluene-d8	85.3	70-130		%Rec	1	5/22/2018 4:38:49 PM	38225

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 Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical ReportLab Order **1805A49**

Date Reported: 6/1/2018

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** DJR Operating**Client Sample ID:** Candado 24A BGT Bottom**Project:** Candado**Collection Date:** 5/17/2018 10:05:00 AM**Lab ID:** 1805A49-002**Matrix:** SOIL**Received Date:** 5/18/2018 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	1300	75		mg/Kg	50	5/29/2018 2:40:04 PM	38280
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/22/2018 5:02:00 PM	38225
Surr: BFB	117	70-130		%Rec	1	5/22/2018 5:02:00 PM	38225
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: lrm
Diesel Range Organics (DRO)	37	10		mg/Kg	1	5/22/2018 3:23:05 PM	38228
Motor Oil Range Organics (MRO)	54	50		mg/Kg	1	5/22/2018 3:23:05 PM	38228
Surr: DNOP	105	70-130		%Rec	1	5/22/2018 3:23:05 PM	38228
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Methyl tert-butyl ether (MTBE)	ND	0.049		mg/Kg	1	5/22/2018 5:02:00 PM	38225
Benzene	ND	0.025		mg/Kg	1	5/22/2018 5:02:00 PM	38225
Toluene	ND	0.049		mg/Kg	1	5/22/2018 5:02:00 PM	38225
Ethylbenzene	ND	0.049		mg/Kg	1	5/22/2018 5:02:00 PM	38225
Xylenes, Total	ND	0.098		mg/Kg	1	5/22/2018 5:02:00 PM	38225
Surr: 4-Bromofluorobenzene	128	70-130		%Rec	1	5/22/2018 5:02:00 PM	38225
Surr: Toluene-d8	91.6	70-130		%Rec	1	5/22/2018 5:02:00 PM	38225

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 Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Analytical ReportLab Order **1805A49**

Date Reported: 6/1/2018

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** DJR Operating**Project:** Candado**Lab ID:** 1805A49-003**Matrix:** SOIL**Client Sample ID:** Candado 24A BGT East/South**Collection Date:** 5/17/2018 10:15:00 AM**Received Date:** 5/18/2018 7:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	1300	75		mg/Kg	50	5/29/2018 3:17:17 PM	38280
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: AG
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/22/2018 5:25:07 PM	38225
Surr: BFB	113	70-130		%Rec	1	5/22/2018 5:25:07 PM	38225
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: lrm
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	5/22/2018 3:54:28 PM	38228
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/22/2018 3:54:28 PM	38228
Surr: DNOP	113	70-130		%Rec	1	5/22/2018 3:54:28 PM	38228
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: AG
Methyl tert-butyl ether (MTBE)	ND	0.049		mg/Kg	1	5/22/2018 5:25:07 PM	38225
Benzene	ND	0.024		mg/Kg	1	5/22/2018 5:25:07 PM	38225
Toluene	ND	0.049		mg/Kg	1	5/22/2018 5:25:07 PM	38225
Ethylbenzene	ND	0.049		mg/Kg	1	5/22/2018 5:25:07 PM	38225
Xylenes, Total	ND	0.098		mg/Kg	1	5/22/2018 5:25:07 PM	38225
Surr: 4-Bromofluorobenzene	123	70-130		%Rec	1	5/22/2018 5:25:07 PM	38225
Surr: Toluene-d8	82.1	70-130		%Rec	1	5/22/2018 5:25:07 PM	38225

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 Detection Limit
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1805A49

01-Jun-18

Client: DJR Operating

Project: Candado

Sample ID	MB-38280	SampType:	mblk	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	38280	RunNo:	51462					
Prep Date:	5/23/2018	Analysis Date:	5/23/2018	SeqNo:	1677388	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-38280	SampType:	lcs	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	38280	RunNo:	51462					
Prep Date:	5/23/2018	Analysis Date:	5/23/2018	SeqNo:	1677389	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.8	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical 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 Detection Limit
W Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1805A49

01-Jun-18

Client: DJR Operating

Project: Candado

Sample ID	MB-38228	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	PBS	Batch ID: 38228			RunNo: 51435					
Prep Date:	5/21/2018	Analysis Date: 5/22/2018			SeqNo: 1674296		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		101	70	130			

Sample ID	LCS-38228	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID:	LCSS	Batch ID: 38228			RunNo: 51435					
Prep Date:	5/21/2018	Analysis Date: 5/22/2018			SeqNo: 1674366		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	56	10	50.00	0	111	70	130			
Surr: DNOP	5.1		5.000		102	70	130			

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 Detection Limit |
| S % Recovery outside of range due to dilution or matrix | W Sample container temperature is out of limit as specified |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1805A49

01-Jun-18

Client: DJR Operating

Project: Candado

Sample ID	lcs-38225		SampType: LCS4		TestCode: EPA Method 8260B: Volatiles Short List					
Client ID:	BatchQC		Batch ID: 38225		RunNo: 51446					
Prep Date:	5/21/2018		Analysis Date: 5/22/2018		SeqNo: 1674796		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.83	0.025	1.000	0	82.5	80	120			
Toluene	0.93	0.050	1.000	0	92.7	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.4	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.5	80	120			
Surr: 4-Bromofluorobenzene	0.52		0.5000		104	70	130			
Surr: Toluene-d8	0.46		0.5000		91.0	70	130			

Sample ID	mb-38225	SampType: MBLK			TestCode: EPA Method 8260B: Volatiles Short List					
Client ID:	PBS	Batch ID: 38225			RunNo: 51446					
Prep Date:	5/21/2018	Analysis Date: 5/22/2018			SeqNo: 1674797		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	0.050								
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.62		0.5000		123	70	130			
Surr: Toluene-d8	0.44		0.5000		87.3	70	130			

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 Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1805A49

01-Jun-18

Client: DJR Operating

Project: Candado

Sample ID	ics-38225	SampType:	LCS	TestCode:	EPA Method 8015D Mod: Gasoline Range					
Client ID:	LCSS	Batch ID:	38225	RunNo:	51446					
Prep Date:	5/21/2018	Analysis Date:	5/22/2018	SeqNo:	1674772	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.8	70	130			
Surr: BFB	520		500.0		103	70	130			

Sample ID	mb-38225	SampType:	MBLK	TestCode:	EPA Method 8015D Mod: Gasoline Range					
Client ID:	PBS	Batch ID:	38225	RunNo:	51446					
Prep Date:	5/21/2018	Analysis Date:	5/22/2018	SeqNo:	1674773	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	570		500.0		113	70	130			

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 Detection Limit
S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified

Sample Log-In Check List

Client Name: DJR OPERATING

Work Order Number: 1805A49

RcptNo: 1

Received By: Anne Thorne

5/18/2018 7:00:00 AM

Completed By: Michelle Garcia

5/18/2018 3:17:11 PM

Reviewed By: ENM

5/21/18

Anne Thorne
Michelle Garcia

Labeled by: JB 05/21/18

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels? Yes ☒ No ☐
(Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met? Yes ☒ No ☐
(If no, notify customer for authorization.)

of preserved bottles checked for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by:

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date:

By Whom:

Via:

☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.3	Good	Yes			

Client:	DJR Operating
Mailing Address:	1 ROAD 3263 Aztec, NM 87410-9521
Phone #:	505-632-3476
email or Fax#:	505-632-8151
QA/QC Package:	
<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> Level 4 (Full Validation)
Accreditation:	<input type="checkbox"/> Az Compliance
<input type="checkbox"/> NELAC	<input type="checkbox"/> Other _____
<input type="checkbox"/> EDD (Type) _____	

☒ Standard ☐ Rush

Project Name:

Candado

Project #:

Project Manager:

Amy Archuleta

Sampler:

AA

On Ice:

☒ Yes

☐ No

of Coolers:

Cooler Temp (including CF): 1.3

Container
Type and #Preservative
Type

HEAL No.

1805A49

Date	Time	Matrix	Sample Name
------	------	--------	-------------

5/17/2018	10:10 AM	Sol	Candado 24A BGT West/North
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5/17/2018	10:05 AM		Candado 24A BGT Bottom
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5/17/2018	10:15 AM		Candado 24A BGT East/ South
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Date: 5-18-13 Time: 3:15 PM Relinquished by: Amy Archuleta

Received by:	Via:	Date	Time
--------------	------	------	------

Remarks:

Date: 5/17/18	Time: 1856	Relinquished by: M. W. Warden
------------------	---------------	----------------------------------

Received by.	Via	Date	Time
 105/11/18 0700			



www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

[illegible]

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



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

June 26, 2018

Amy Archuleta
DJR Operating
PO Box 156
Bloomfield, NM 87413
TEL: (505) 320-6917
FAX

RE: Candado 24A

OrderNo.: 1806465

Dear Amy Archuleta:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/8/2018 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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical ReportLab Order **1806465**

Date Reported: 6/26/2018

Hall Environmental Analysis Laboratory, Inc.**CLIENT:** DJR Operating**Client Sample ID:** Candado 24A**Project:** Candado 24A**Collection Date:** 6/6/2018 1:05:00 PM**Lab ID:** 1806465-001**Matrix:** SOIL**Received Date:** 6/8/2018 5:45:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	540	30		mg/Kg	20	6/25/2018 1:41:11 PM	38870

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	Page 1 of 2
	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 Detection Limit	
	S	% Recovery outside of range due to dilution or matrix	W	Sample container temperature is out of limit as specified	

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1806465

26-Jun-18

Client: DJR Operating

Project: Candado 24A

Sample ID	MB-38870	SampType:	MBLK	TestCode:	EPA Method 300.0: Anions					
Client ID:	PBS	Batch ID:	38870	RunNo:	52211					
Prep Date:	6/25/2018	Analysis Date:	6/25/2018	SeqNo:	1711195	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID	LCS-38870	SampType:	LCS	TestCode:	EPA Method 300.0: Anions					
Client ID:	LCSS	Batch ID:	38870	RunNo:	52211					
Prep Date:	6/25/2018	Analysis Date:	6/25/2018	SeqNo:	1711196	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	96.8	90	110			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical 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 Detection Limit
W Sample container temperature is out of limit as specified



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

Client Name: DJR OPERATING

Work Order Number: 1806465

RcptNo: 1

Received By: Ashley Gallegos

6/8/2018 5:45:00 AM

Completed By: Ashley Gallegos

6/8/2018 8:21:06 AM

Reviewed By: ENM

6/8/18

labeled by: JS 06/08/18

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. VOA vials have zero headspace? Yes ☐ No ☐ No VOA Vials ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels? Yes ☒ No ☐
(Note discrepancies on chain of custody)
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met? Yes ☒ No ☐
(If no, notify customer for authorization.)

of preserved
bottles checked
for pH: JS 06/08/18
(<2 or >12 unless noted)
Adjusted? JS
Checked by: JS

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.4	Good	Yes			

Chain-of-Custody Record		Turn-Around Time:	
Client: <u>DSE Operating LLC</u>	<input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush		
Mailing Address: <u>1 Road 3263</u>	Project Name: <u>Candado 24A</u>		
<u>Aztec, NM 87410</u>	Project #		
Phone #: <u>505-637-3476 x201</u>	Project Manager: <u>A. Archuleta</u>		
email or fax: <u>505-320-6917</u>	Sampler: <u>A. Archuleta</u>		
QA/QC Package:	On Ice: <u>Yes</u>		
<input type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)	# of Coolers: <u>2</u>		
Accreditation: <input type="checkbox"/> Az Compliance			
<input type="checkbox"/> NELAC <input type="checkbox"/> Other			
<input type="checkbox"/> EDD (Type)			

☒ Standard ☐ Rush

Project Name:

Project #

Project Manager:

Sampler: A. Archuleta

On Ice: ☒ Yes

of Coolers:

Cooler Temp (including CF): 4.702 (CF): 4.4

Container Type and #	Glass
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Preservative Type	N/A
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HEAL No.
1806465
001

BTEX / MTAF / TMAP's (8021)

TPH:8015D/GRO ; DBO / MBO ;

9081 Paeti-idea:8052 BC3's

	0501 F-8681068X-0002 F-0003
	ECS (Method 501 F)

DATE: 03/06/2023	EDS (NEW) 17
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2019/2020	2018/2019	2017/2018	2016/2017	2015/2016	2014/2015	2013/2014	2012/2013	2011/2012	2010/2011	2009/2010	2008/2009	2007/2008	2006/2007	2005/2006	2004/2005	2003/2004	2002/2003	2001/2002	2000/2001	1999/2000	1998/1999	1997/1998	1996/1997	1995/1996	1994/1995	1993/1994	1992/1993	1991/1992	1990/1991	1989/1990	1988/1989	1987/1988	1986/1987	1985/1986	1984/1985	1983/1984	1982/1983	1981/1982	1980/1981	1979/1980	1978/1979	1977/1978	1976/1977	1975/1976	1974/1975	1973/1974	1972/1973	1971/1972	1970/1971	1969/1970	1968/1969	1967/1968	1966/1967	1965/1966	1964/1965	1963/1964	1962/1963	1961/1962	1960/1961	1959/1960	1958/1959	1957/1958	1956/1957	1955/1956	1954/1955	1953/1954	1952/1953	1951/1952	1950/1951	1949/1950	1948/1949	1947/1948	1946/1947	1945/1946	1944/1945	1943/1944	1942/1943	1941/1942	1940/1941	1939/1940	1938/1939	1937/1938	1936/1937	1935/1936	1934/1935	1933/1934	1932/1933	1931/1932	1930/1931	1929/1930	1928/1929	1927/1928	1926/1927	1925/1926	1924/1925	1923/1924	1922/1923	1921/1922	1920/1921	1919/1920	1918/1919	1917/1918	1916/1917	1915/1916	1914/1915	1913/1914	1912/1913	1911/1912	1910/1911	1909/1910	1908/1909	1907/1908	1906/1907	1905/1906	1904/1905	1903/1904	1902/1903	1901/1902	1900/1901	1899/1900	1898/1899	1897/1898	1896/1897	1895/1896	1894/1895	1893/1894	1892/1893	1891/1892	1890/1891	1889/1890	1888/1889	1887/1888	1886/1887	1885/1886	1884/1885	1883/1884	1882/1883	1881/1882	1880/1881	1879/1880	1878/1879	1877/1878	1876/1877	1875/1876	1874/1875	1873/1874	1872/1873	1871/1872	1870/1871	1869/1870	1868/1869	1867/1868	1866/1867	1865/1866	1864/1865	1863/1864	1862/1863	1861/1862	1860/1861	1859/1860	1858/1859	1857/1858	1856/1857	1855/1856	1854/1855	1853/1854	1852/1853	1851/1852	1850/1851	1849/1850	1848/1849	1847/1848	1846/1847	1845/1846	1844/1845	1843/1844	1842/1843	1841/1842	1840/1841	1839/1840	1838/1839	1837/1838	1836/1837	1835/1836	1834/1835	1833/1834	1832/1833	1831/1832	1830/1831	1829/1830	1828/1829	1827/1828	1826/1827	1825/1826	1824/1825	1823/1824	1822/1823	1821/1822	1820/1821	1819/1820	1818/1819	1817/1818	1816/1817	1815/1816	1814/1815	1813/1814	1812/1813	1811/1812	1810/1811	1809/1810	1808/1809	1807/1808	1806/1807	1805/1806	1804/1805	1803/1804	1802/1803	1801/1802	1800/1801	1799/1800	1798/1799	1797/1798	1796/1797	1795/1796	1794/1795	1793/1794	1792/1793	1791/1792	1790/1791	1789/1790	1788/1789	1787/1788	1786/1787	1785/1786	1784/1785	1783/1784	1782/1783	1781/1782	1780/1781	1779/1780	1778/1779	1777/1778	1776/1777	1775/1776	1774/1775	1773/1774	1772/1773	1771/1772	1770/1771	1769/1770	1768/1769	1767/1768	1766/1767	1765/1766	1764/1765	1763/1764	1762/1763	1761/1762	1760/1761	1759/1760	1758/1759	1757/1758	1756/1757	1755/1756	1754/1755	1753/1754	1752/1753	1751/1752	1750/1751	1749/1750	1748/1749	1747/
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	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	

	Cl, F, Br, NO ₂ , NU ₃ , FU ₄ , SU ₄

	(VOA) 09278
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8270 (Semi-VOA)

	Total Coliform (Present/Absent)
1	1
2	1
3	1
4	1
5	1
6	1
7	1
8	1
9	1
10	1
11	1
12	1
13	1
14	1
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16	1
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18	1
19	1
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21	1
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92	1
93	1
94	1
95	1
96	1
97	1
98	1
99	1
100	1

Chlorides 300.0

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[illegible][illegible]

Date	Time	Relinquished by:
4/2/15	1614	Ind. Jones
Date	Time	Relinquished by:
6/12/15	1847	Mrs. White

Received by: <i>[Signature]</i>	Via:	Date: 6/7/18	Time: 104
Received by: <i>[Signature]</i>	Via:	Date: 06/08/18	Time: DSA

Remarks:
only need chloride test.
(1 Container)

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