

August 19, 2016

ROBERT GRUBBS, JR

COG OPERATING

P. O. BOX 1630

ARTESIA, NM 88210

RE: SRO SWD 101

Enclosed are the results of analyses for samples received by the laboratory on 08/17/16 10:17.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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](http://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

**Analytical Results For:**

COG OPERATING  
ROBERT GRUBBS, JR  
P. O. BOX 1630  
ARTESIA NM, 88210  
Fax To: NONE

Received: 08/17/2016  
Reported: 08/19/2016  
Project Name: SRO SWD 101  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 08/15/2016  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Celey D. Keene

**Sample ID: CS-1 1' (H601840-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	08/18/2016	ND	432	108	400	3.64	

**Sample ID: CS-1 2' (H601840-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/19/2016	ND	432	108	400	3.64	

**Sample ID: CS-1 3' (H601840-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/19/2016	ND	432	108	400	3.64	

**Sample ID: CS-2 1' (H601840-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/19/2016	ND	432	108	400	3.77		

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

COG OPERATING  
ROBERT GRUBBS, JR  
P. O. BOX 1630  
ARTESIA NM, 88210  
Fax To: NONE

Received: 08/17/2016  
Reported: 08/19/2016  
Project Name: SRO SWD 101  
Project Number: NONE GIVEN  
Project Location: EDDY COUNTY, NM

Sampling Date: 08/15/2016  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Celey D. Keene

**Sample ID: CS-2 2' (H601840-05)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/19/2016	ND	432	108	400	3.77	

**Sample ID: CS-2 3' (H601840-06)**

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	08/19/2016	ND	432	108	400	3.77	

**Sample ID: CS-3 1' (H601840-07)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/19/2016	ND	432	108	400	3.77	

**Sample ID: CS-3 2' (H601840-08)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1330	16.0	08/19/2016	ND	432	108	400	3.77	

**Sample ID: CS-3 2' (H601840-09)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	08/19/2016	ND	432	108	400	3.77	

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**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

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**Celey D. Keene, Lab Director/Quality Manager**

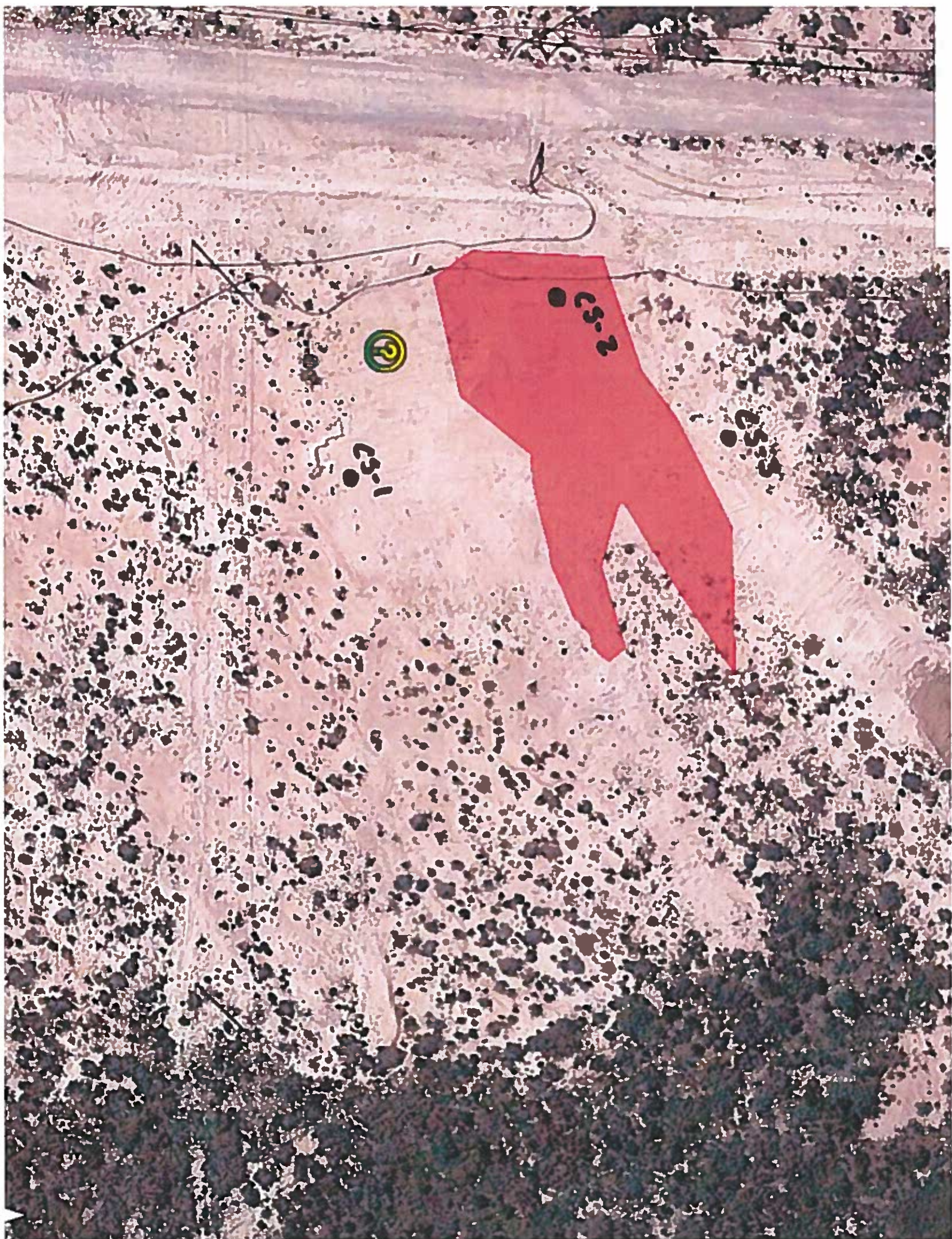


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(575) 393-2326 FAX (575) 393-2476

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







CS-7

08/15/2016 10:56 AM

CS-7

08/15/2016 10:56 AM



CS-2

08/15/2016 11:04 AM





CS-3

08/15/2016 11:13 AM

