



**RECEIVED**

By JKeyes at 2:06 pm, Apr 04, 2016

**Robert Grubbs**  
Sr. Environmental Coordinator

**APPROVED**

March 24, 2016

Oil Conservation Division  
District 1 – Hobbs  
1625 N. French Drive  
Hobbs, New Mexico 88240

**Re: Albatross State Com #2H**  
**30-025-41544**  
**SEC.30-T18S-R35E**  
**Lea, NM**

Mr. Jaimie Keyes,

COG Operating LLC would like to submit for your consideration the enclosed closure request for the above captioned well. The request is in response to the C-141 Initial report dated February 23, 2016.

This release was caused by a gasket failure on a fresh water knock out resulting in the release of 20 barrels of oil of which 5 barrels of oil was recovered. This release was mostly contained with the lined containment of the facility, however, overspray misted the pasture south east of the location. The area impacted in the pasture was approximately 0.39 acres. Vacuum trucks were dispatched to recover standing fluid from the lined facility as well as the pasture. Microblaze was immediately applied to the impacted area occurring outside of the containment in the pasture. The attached site diagram depicts the approximate area impacted by the release along with the approximate sampling points.

Based on the Chevron-Texaco Trend Maps, the release area would be classified at a site ranking of 10 with a depth to groundwater of 50' > 100'.

## Soil Assessment and Analytical Results

Below is a summary of the attached analytical results:

<b>Site Ranking: 10</b>					
<b>Depth to GW per SEO: 50' &gt; 100'</b>					
<b>S1</b>	<b>BTEX</b>	<b>GRO</b>	<b>DRO</b>	<b>TPH</b>	<b>CI-</b>
Surf	<0.300	<10.0	<10.0	<10.0	<16.0
1'	<0.300	<10.0	<10.0	<10.0	<16.0
<b>S2</b>	<b>BTEX</b>	<b>GRO</b>	<b>DRO</b>	<b>TPH</b>	<b>CI-</b>
Surf	<0.300	<10.0	<10.0	<10.0	<16.0
1'	<0.300	<10.0	<10.0	<10.0	<16.0
<b>S3</b>	<b>BTEX</b>	<b>GRO</b>	<b>DRO</b>	<b>TPH</b>	<b>CI-</b>
Surf	<0.300	<10.0	<10.0	<10.0	<16.0
1'	<0.300	<10.0	<10.0	<10.0	<16.0
<b>Bold values exceed RRALs per NMOCD Guidelines (1993)</b>					

COG Operating LLC proposes that no excavation be required in the pasture based on the analytical results obtained.

If there are no objections or further stipulations, COG Operating LLC requests closure of the above captioned location. Please feel free to contact me with any questions or concerns at 432.818.2369.

Sincerely,

Robert Grubbs,

Sr. Environmental Coordinator

Enclosure(s): Site Diagram  
Analytical Results  
C-141 Initial (Copy)  
C-141 Final

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 August 8, 2011

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: COG Operating LLC	Contact: Robert McNeill
Address: 600 West Illinois Avenue, Midland TX 79701	Telephone No. 432-230-0077
Facility Name: ALBATROSS STATE COM #002H	Facility Type: Battery

Surface Owner:	Mineral Owner: State	API No. 30-025-41544
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**LOCATION OF RELEASE**

Unit Letter B	Section 30	Township 18S	Range 35E	Feet from the 190'	North/South Line North	Feet from the 1980'	East/West Line East	County Lea
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Latitude 32.725502 Longitude -103.4947205

**NATURE OF RELEASE**

Type of Release: Oil	Volume of Release: 20 bbls	Volume Recovered: 5 bbls
Source of Release: Gasket	Date and Hour of Occurrence: 2/9/2016 11:00 am	Date and Hour of Discovery: 2/9/2016 11:00 am
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
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.\*

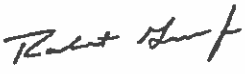
Describe Cause of Problem and Remedial Action Taken.\*

This release was caused when a gasket on failed on a FWKO. Vacuum trucks were dispatched to recover the standing fluid.

Describe Area Affected and Cleanup Action Taken.\*

The release occurred within a lined containment. A spray of oil misted over the pad and nearby pasture. Concho will have the spill site sampled to delineate any possible contamination from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation work.

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: 		<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Robert Grubbs		Approved by Environmental Specialist:	
Title: Senior Environmental Coordinator	Approval Date:	Expiration Date:	
E-mail Address: rgrubbs@concho.com	Conditions of Approval:		Attached <input type="checkbox"/>
Date: February 23, 2016	Phone: 432-230-0077		

\* Attach Additional Sheets If Necessary

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 August 8, 2011

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: COG Operating LLC	Contact: Robert McNeill
Address: 600 West Illinois Avenue, Midland TX 79701	Telephone No. 432-230-0077
Facility Name: ALBATROSS STATE COM #002H	Facility Type: Battery

Surface Owner:	Mineral Owner: State	API No. 30-025-41544
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**LOCATION OF RELEASE**

Unit Letter B	Section 30	Township 18S	Range 35E	Feet from the 190'	North/South Line North	Feet from the 1980'	East/West Line East	County Lea
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Latitude 32.725502 Longitude -103.4947205

**NATURE OF RELEASE**

Type of Release: Oil	Volume of Release: 20 bbls	Volume Recovered: 5 bbls
Source of Release: Gasket	Date and Hour of Occurrence: 2/9/2016 11:00 am	Date and Hour of Discovery: 2/9/2016 11:00 am
Was Immediate Notice Given? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour:	
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.\*

Describe Cause of Problem and Remedial Action Taken.\*

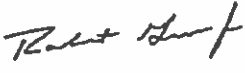

This release was caused when a gasket on failed on a FWKO. Vacuum trucks were dispatched to recover the standing fluid.

Describe Area Affected and Cleanup Action Taken.\*

The release occurred within a lined containment. A spray of oil misted over the pad and nearby pasture. Concho had the spill site sampled to delineate any possible contamination from the release. Attached is sampling analysis indicating RRALs were achieved.

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.

**OIL CONSERVATION DIVISION**

Signature: 	Approved by Environmental Specialist: 	
Printed Name: Robert Grubbs		
Title: Senior Environmental Coordinator	Approval Date: 04/04/2016	Expiration Date: ///
E-mail Address: rgrubbs@concho.com	Conditions of Approval: ///	Attached <input type="checkbox"/> 1RP 4194
Date: March 17, 2016	Phone: 432-230-0077	

\* Attach Additional Sheets If Necessary

February 9, 2016

## ALBATROSS STATE COM #002H

API: 30-025-41544

32.725460, -103.494644

Released: 20 bbls oil

Recovered: 5 bbls oil

### Legend

- ALBATROSS STATE COM2H
- Release Area

#### Site Ranking:10

#### Depth to GW per SEO: 50 > 100

S1	BTEX	GRO	DRO	TPH	Cl-
Surf	<0.300	<10.0	<10.0	<10.0	<16.0
1'	<0.300	<10.0	<10.0	<10.0	<16.0
S2	BTEX	GRO	DRO	TPH	Cl-
Surf	<0.300	<10.0	<10.0	<10.0	<16.0
1'	<0.300	<10.0	<10.0	<10.0	<16.0
S3	BTEX	GRO	DRO	TPH	Cl-
Surf	<0.300	<10.0	<10.0	<10.0	<16.0
1'	<0.300	<10.0	<10.0	<10.0	<16.0

**Bold values exceed RRALs per NMOCD Guidelines (1993)**

ALBATROSS STATE COM2H



Google earth

300 ft



March 15, 2016

DAKOTA NEEL

COG OPERATING

P. O. BOX 1630

ARTESIA, NM 88210

RE: ALBATROSS ST COM 2H TK BAT

Enclosed are the results of analyses for samples received by the laboratory on 03/09/16 11:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-15-7. 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  
 DAKOTA NEEL  
 P. O. BOX 1630  
 ARTESIA NM, 88210  
 Fax To: NONE

 Received: 03/09/2016  
 Reported: 03/15/2016  
 Project Name: ALBATROSS ST COM 2H TK BAT  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 03/02/2016  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: S1 - SURFACE (H600517-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2016	ND	2.03	101	2.00	2.02	
Toluene*	<0.050	0.050	03/14/2016	ND	1.98	99.0	2.00	2.28	
Ethylbenzene*	<0.050	0.050	03/14/2016	ND	1.82	91.0	2.00	1.48	
Total Xylenes*	<0.150	0.150	03/14/2016	ND	5.59	93.2	6.00	2.13	
Total BTEX	<0.300	0.300	03/14/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 98.6 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/11/2016	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/12/2016	ND	198	98.8	200	3.25	
DRO >C10-C28	<10.0	10.0	03/12/2016	ND	204	102	200	0.937	

Surrogate: 1-Chlorooctane 89.8 % 35-147

Surrogate: 1-Chlorooctadecane 104 % 28-171

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

**Analytical Results For:**

 COG OPERATING  
 DAKOTA NEEL  
 P. O. BOX 1630  
 ARTESIA NM, 88210  
 Fax To: NONE

 Received: 03/09/2016  
 Reported: 03/15/2016  
 Project Name: ALBATROSS ST COM 2H TK BAT  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 03/02/2016  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: S1 - 1' (H600517-02)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2016	ND	2.03	101	2.00	2.02	
Toluene*	<0.050	0.050	03/14/2016	ND	1.98	99.0	2.00	2.28	
Ethylbenzene*	<0.050	0.050	03/14/2016	ND	1.82	91.0	2.00	1.48	
Total Xylenes*	<0.150	0.150	03/14/2016	ND	5.59	93.2	6.00	2.13	
Total BTEX	<0.300	0.300	03/14/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 99.2 % 73 6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/11/2016	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/12/2016	ND	198	98.8	200	3.25	
DRO >C10-C28	<10.0	10.0	03/12/2016	ND	204	102	200	0.937	

Surrogate: 1-Chlorooctane 87.7 % 35-147

Surrogate: 1-Chlorooctadecane 99.6 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 COG OPERATING  
 DAKOTA NEEL  
 P. O. BOX 1630  
 ARTESIA NM, 88210  
 Fax To: NONE

 Received: 03/09/2016  
 Reported: 03/15/2016  
 Project Name: ALBATROSS ST COM 2H TK BAT  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 03/02/2016  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: S2 - SURFACE (H600517-03)**

BTX 80218		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2016	ND	2.03	101	2.00	2.02	
Toluene*	0.061	0.050	03/14/2016	ND	1.98	99.0	2.00	2.28	
Ethylbenzene*	<0.050	0.050	03/14/2016	ND	1.82	91.0	2.00	1.48	
Total Xylenes*	<0.150	0.150	03/14/2016	ND	5.59	93.2	6.00	2.13	
Total BTX	<0.300	0.300	03/14/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 99.7 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/11/2016	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/12/2016	ND	198	98.8	200	3.25	
DRO >C10-C28	<10.0	10.0	03/12/2016	ND	204	102	200	0.937	

Surrogate: 1-Chlorooctane 99.6 % 35-147

Surrogate: 1-Chlorooctadecane 117 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

COG OPERATING  
DAKOTA NEEL  
P. O. BOX 1630  
ARTESIA NM, 88210  
Fax To: NONE

Received: 03/09/2016  
Reported: 03/15/2016  
Project Name: ALBATROSS ST COM 2H TK BAT  
Project Number: NONE GIVEN  
Project Location: NOT GIVEN

Sampling Date: 03/02/2016  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: S2 - 1' (H600517-04)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2016	ND	2.15	107	2.00	4.48	
Toluene*	<0.050	0.050	03/14/2016	ND	2.09	104	2.00	5.31	
Ethylbenzene*	<0.050	0.050	03/14/2016	ND	1.87	93.6	2.00	4.18	
Total Xylenes*	<0.150	0.150	03/14/2016	ND	5.70	95.1	6.00	3.38	
Total BTEX	<0.300	0.300	03/14/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 99.9 % 73 6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/11/2016	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/12/2016	ND	198	98.8	200	3.25	
DRO >C10-C28	<10.0	10.0	03/12/2016	ND	204	102	200	0.937	

Surrogate: 1-Chlorooctane 92.5 % 35-147

Surrogate: 1-Chlorooctadecane 113 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 COG OPERATING  
 DAKOTA NEEL  
 P. O. BOX 1630  
 ARTESIA NM, 88210  
 Fax To: NONE

 Received: 03/09/2016  
 Reported: 03/15/2016  
 Project Name: ALBATROSS ST COM 2H TK BAT  
 Project Number: NONE GIVEN  
 Project Location: NOT GIVEN

 Sampling Date: 03/02/2016  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: S3 - SURFACE (H600517-05)**

BTEX 80218		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/14/2016	ND	2.15	107	2.00	4.48	
Toluene*	<0.050	0.050	03/14/2016	ND	2.09	104	2.00	5.31	
Ethylbenzene*	<0.050	0.050	03/14/2016	ND	1.87	93.6	2.00	4.18	
Total Xylenes*	<0.150	0.150	03/14/2016	ND	5.70	95.1	6.00	3.38	
Total BTEX	<0.300	0.300	03/14/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 100 % 73 6-140

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	03/11/2016	ND	400	100	400	0.00	

TPH 8015M		mg/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/12/2016	ND	198	98.8	200	3.25	
DRO >C10-C28	<10.0	10.0	03/12/2016	ND	204	102	200	0.937	

Surrogate: 1-Chlorooctane 90.1 % 35-147

Surrogate: 1-Chlorooctadecane 110 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1053

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**† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476**



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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