

Bratcher, Mike, EMNRD

From: Amber Cannon <ACannon@yatespetroleum.com>
Sent: Friday, July 26, 2013 8:54 AM
To: Jennifer Van Curen; Jim Amos
Cc: Bob Asher; Katie Parker; Bratcher, Mike, EMNRD
Subject: Dolores AIL Federal #1 Tin Horn Release 4/21/2013
Attachments: DoloresAILFederal1TinHorn_Workplan.pdf

Importance: High

Jennifer,

Please find attached a scope of work, site diagram and analytical results for the Dolores AIL Federal #1 tin horn release that occurred on 4/21/2013.

Your concern that there are leaking tanks will be addressed separately from this release. I have once again passed the information on to our production department so that they can look into the matter.

Your quick response on the Dolores Tin Horn release is greatly appreciated.

Thank you,

Amber Cannon

Environmental Regulatory Agent
Yates Petroleum Corporation
Office: (575) 748-4111
Cell: (575) 513-8799

MARTIN YATES, III

1912-1985

FRANK W. YATES

1936-1986

S.P. YATES

1914-2008



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ARTESIA, NEW MEXICO 88210-2118

TELEPHONE (575) 748-1471

www.yatespetroleum.com

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CHAIRMAN EMERITUS

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PRESIDENT

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CHIEF FINANCIAL OFFICER

JAMES S. BROWN
CHIEF OPERATING OFFICER

July 26, 2013

Ms. Jennifer Van Curen
BLM - Carlsbad District Office
320 East Greene Street
Carlsbad, NM 88220

RE: Dolores AIL Federal #1 Tin Horn
30-015-26547
Section 14, T22S-R31E
Eddy County, New Mexico

Ms. Van Curen,

Yates Petroleum Corporation would like to submit the following plan of work to you regarding the release that occurred at the above mentioned facility on April 21, 2013.

Initial TPH/BTEX and Chloride delineation samples were taken and were sent to a NMOCD approved facility, analytical results are enclosed for your review. The sample of the release area was taken near the tin horn and pipeline. Samples were taken at 1', 2', 3', 4', 5' and 6' below surface.

Yates Petroleum Corporation proposes to not excavate any soil around the tin horn as chlorides at 1'-3' are at low levels. There is a spike in chlorides at 4' near the pipeline. Yates believes that this jump in chlorides is a fairly isolated and small volume of impacted soil because the chloride level drops significantly by 6'. Yates will also scrape the production pad where there was some visible overspray from the release. The area around the tin horn would be added to our seeding list for 2014, as Yates Petroleum has already completed seeding for 2013. The area would then be monitored for re-vegetation.

This scope of work has been discussed and verbally agreed upon by Mike Bratcher with the NMOCD District II Office.

If you have any questions or concerns, I can be reached at (575) 748-4111 or by email at acannon@yatespetroleum.com.

Thank You,

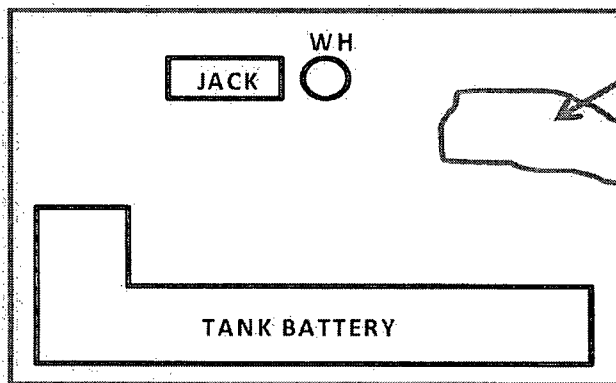
Amber Cannon
Environmental Regulatory Agent
Yates Petroleum Corporation

Enclosure(s):

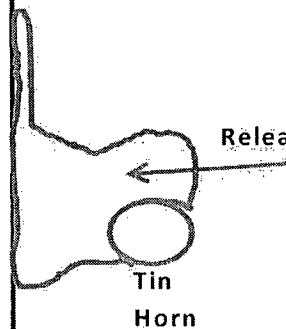
1. Site Diagram
2. Analytical Reports



Dolores AIL Federal #1 Location

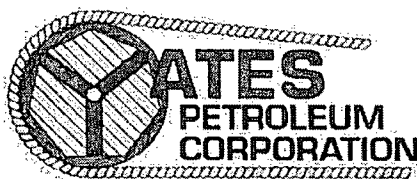


Overspray from Release



Release Area

Tin
Horn



Dolores AIL Federal #1 Tin Horn

30-015-26547

Section 14, T22S-R31E

Eddy County, NM

Prepared by Amber Cannon
Environmental Regulatory Agent

Drawing not to Scale



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

May 10, 2013

AMBER CANNON

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: DELORES AIL FEDERAL BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/08/13 11:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-11-3. 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

Analytical Results For:

 Yates Energy Petroleum Corp
 AMBER CANNON
 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

 Received: 05/08/2013
 Reported: 05/10/2013
 Project Name: DELORES AIL FEDERAL BATTERY
 Project Number: 30-015-26547
 Project Location: EDDY COUNTY

 Sampling Date: 05/06/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: D-1' (H301096-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/10/2013	ND	416	104	400	3.77	

Sample ID: D-2' (H301096-02)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	05/10/2013	ND	416	104	400	3.77		

Sample ID: D-3' (H301096-03)

Chloride, SM4500Cl-B:			mg/kg		Analyzed By: DW:				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	05/10/2013	ND	416	104	400	3.77	

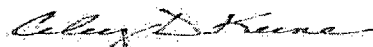
Sample ID: D-4' (H301096-04)

Chloride, SM4500Cl-B			mg/kg		Analyzed By: DW				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	21200	16.0	05/10/2013	ND	416	104	400	3.77	

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Yates Energy Petroleum Corp
 AMBER CANNON
 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

Received:	05/08/2013	Sampling Date:	05/06/2013
Reported:	05/10/2013	Sampling Type:	Soil
Project Name:	DELORES AIL FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26547	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY		

Sample ID: D-5' (H301096-05)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6160	16.0	05/10/2013	ND	416	104	400	3.77	

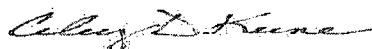
Sample ID: D-6' (H301096-06)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1780	16.0	05/10/2013	ND	416	104	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager

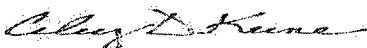
Notes and Definitions

- 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

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Page 5 of 5

Project Manager: Amber Cannon

Project Name: Dolores AIL Federal Battery

Company Name Yates Petroleum Corporation

Project #: 30-015-26547

Company Address: 105 South 4th Street

Project Loc: Eddy County

City/State/Zip: Artesia, NM 88210

PO #: 1032020

Telephone No: 575-748-4111

Fax No:

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature:

e-mail: acannon@yatespetroleum.com

Lab use only)

ORDER #:

H301096

[illegible]**Special Instructions:**

TPH: 8015B, BTEX: 8021B & Chlorides: Please show BTEX results as mg/kg. Please put chlorides on a separate report Thank you:

Laboratory Comments:

Retinquished by:

Date

Time

Received by:

Date _____

Time

Relinquished by:

Date _____

Time

Received by:

Date _____

Time

Relinquished by:

Date _____

Time

Received by ELOT

Date _____

Time

Sample Containers	Intact	Y	N
VOCs Free of Headspace?		N	
Labels on Containers		N	
Custody seals on container(s)		N	
Custody seals on cooler(s)		N	
Sample Hand Delivered		N	
by Sampler/Client Rep.?		N	
by Courier?	UPS DHL FedEx Lone Star		
Temperature Upon Receipt		5	°C

May 10, 2013

AMBER CANNON

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: DELORES AIL FEDERAL BATTERY

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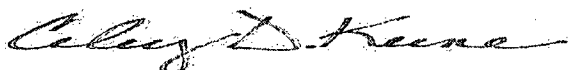
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Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

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Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

 Yates Energy Petroleum Corp
 AMBER CANNON
 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

Received:	05/08/2013	Sampling Date:	05/06/2013
Reported:	05/10/2013	Sampling Type:	Soil
Project Name:	DELORES AIL FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26547	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY		

Sample ID: D-1' (H301096-01)

BTX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2013	ND	2.16	108	2.00	4.05	
Toluene*	<0.050	0.050	05/10/2013	ND	1.98	98.8	2.00	3.36	
Ethylbenzene*	<0.050	0.050	05/10/2013	ND	2.14	107	2.00	2.83	
Total Xylenes*	<0.150	0.150	05/10/2013	ND	6.19	103	6.00	2.61	
Total BTX	<0.300	0.300	05/10/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 108% 39.4-126

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GR0 C6-C10	<10.0	10.0	05/09/2013	ND	210	105	200	0.918	
DRO >C10-C28	14.4	10.0	05/09/2013	ND	205	102	200	0.533	

Surrogate: 1-Chlorooctane 95.4% 65.2-140

Surrogate: 1-Chlorooctadecane 103% 63.6-154

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Yates Energy Petroleum Corp
 AMBER CANNON
 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

Received:	05/08/2013	Sampling Date:	05/06/2013
Reported:	05/10/2013	Sampling Type:	Soil
Project Name:	DELORES AIL FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26547	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY		

Sample ID: D-2 (H301096-02)

BTEX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2013	ND	2.16	108	2.00	4.05	
Toluene*	<0.050	0.050	05/10/2013	ND	1.98	98.8	2.00	3.36	
Ethylbenzene*	<0.050	0.050	05/10/2013	ND	2.14	107	2.00	2.83	
Total Xylenes*	<0.150	0.150	05/10/2013	ND	6.19	103	6.00	2.61	
Total BTEX	<0.300	0.300	05/10/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 105% 89.4-126

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/09/2013	ND	210	105	200	0.918	
DRO >C10-C28	<10.0	10.0	05/09/2013	ND	205	102	200	0.533	

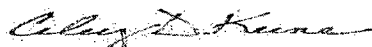
Surrogate: 1-Chlorooctane 95.6% 65.2-140

Surrogate: 1-Chlorooctadecane 99.7% 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

 Yates Energy Petroleum Corp
 AMBER CANNON
 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

 Received: 05/08/2013
 Reported: 05/10/2013
 Project Name: DELORES AIL FEDERAL BATTERY
 Project Number: 30-015-26547
 Project Location: EDDY COUNTY

 Sampling Date: 05/06/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: D-3¹ (H301096-03)

BTX 8021B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2013	ND	2.16	108	2.00	4.05	
Toluene*	<0.050	0.050	05/10/2013	ND	1.98	98.8	2.00	3.36	
Ethylbenzene*	<0.050	0.050	05/10/2013	ND	2.14	107	2.00	2.83	
Total Xylenes*	<0.150	0.150	05/10/2013	ND	6.19	103	6.00	2.61	
Total BTX	<0.300	0.300	05/10/2013	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108.8 % 89.4-126

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte:	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/09/2013	ND	210	105	200	0.918	
DRO >C10-C28	<10.0	10.0	05/09/2013	ND	205	102	200	0.533	

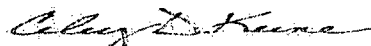
Surrogate: 1-Chlorooctane 90.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 96.6 % 63.6-154

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AMBER CANNON
105 S 4th Street
Artesia NM, 88210
Fax To: (505) 748-4635

Received: 05/08/2013
Reported: 05/10/2013
Project Name: DELORES AIL FEDERAL BATTERY
Project Number: 30-015-26547
Project Location: EDDY COUNTY

Sampling Date: 05/06/2013
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: D-4' (H301096-04)

BTX 80218			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2013	ND	2.16	108	2.00	4.05	
Toluene*	<0.050	0.050	05/10/2013	ND	1.98	98.8	2.00	3.36	
Ethylbenzene*	<0.050	0.050	05/10/2013	ND	2.14	107	2.00	2.83	
Total Xylenes*	<0.150	0.150	05/10/2013	ND	6.19	103	6.00	2.61	
Total BTX	<0.300	0.300	05/10/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 108 % 89.4-126

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GR0 C6-C10	<10.0	10.0	05/09/2013	ND	210	105	200	0.918	
DRO >C10-C28	<10.0	10.0	05/09/2013	ND	205	102	200	0.533	

Surrogate: 1-Chlorooctane 90.6 % 65.2-140

Surrogate: 1-Chlorodecane 93.3 % 63.6-154

Cardinal Laboratories

*=Accredited Analyte

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 Received: 05/08/2013
 Reported: 05/10/2013
 Project Name: DELORES AIL FEDERAL BATTERY
 Project Number: 30-015-26547
 Project Location: EDDY COUNTY

 Sampling Date: 05/06/2013
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: D-5' (H301096-05)

BTEX 8021B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2013	ND	2.16	108	2.00	4.05	
Toluene*	<0.050	0.050	05/10/2013	ND	1.98	98.8	2.00	3.36	
Ethylbenzene*	<0.050	0.050	05/10/2013	ND	2.14	107	2.00	2.83	
Total Xylenes*	<0.150	0.150	05/10/2013	ND	6.19	103	6.00	2.61	
Total BTEX	<0.300	0.300	05/10/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 108 % 89.4-126

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	05/09/2013	ND	210	105	200	0.918	
DRO >C10-C28	<10.0	10.0	05/09/2013	ND	205	102	200	0.533	

Surrogate: 1-Chlorooctane 94.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 100 % 63.6-154

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

Yates Energy Petroleum Corp
AMBER CANNON
105 S. 4th Street
Artesia NM, 88210
Fax To: (505) 748-4635

Received:	05/08/2013	Sampling Date:	05/06/2013
Reported:	05/10/2013	Sampling Type:	Soil
Project Name:	DELORES AIL FEDERAL BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-26547	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY		

Sample ID: D-6' (H301096-06)

BTX 8021B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2013	ND	2.16	108	2.00	4.05	
Toluene*	<0.050	0.050	05/10/2013	ND	1.98	98.8	2.00	3.36	
Ethylbenzene*	<0.050	0.050	05/10/2013	ND	2.14	107	2.00	2.83	
Total Xylenes*	<0.150	0.150	05/10/2013	ND	6.19	103	6.00	2.61	
Total BTX	<0.300	0.300	05/10/2013	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 107 % 89.4-126

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	05/09/2013	ND	210	105	200	0.918		
DRO >C10-C28	<10.0	10.0	05/09/2013	ND	205	102	200	0.533		


Surrogate: 1-Chlorooctane 88.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 87.2 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

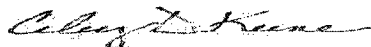
Notes and Definitions

- 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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*=Accredited Analyte

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Celley D. Keene, Lab Director/Quality Manager

