

2 RA-1483

MARTIN YATES, III  
1912-1985

FRANK W. YATES  
1936-1986

S.P. YATES  
1914-2008



105 SOUTH FOURTH STREET  
ARTESIA, NEW MEXICO 88210-2118  
TELEPHONE (575) 748-1471

JOHN A. YATES  
CHAIRMAN OF THE BOARD

JOHN A. YATES JR.  
PRESIDENT

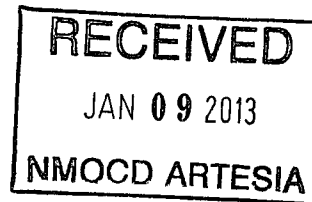
JAMES S. BROWN  
CHIEF OPERATING OFFICER

JOHN D. PERINI  
CHIEF FINANCIAL OFFICER

JORGE S. MENDOZA  
CHIEF ADMINISTRATIVE OFFICER

December 19, 2012

Mr. Mike Bratcher  
Oil Conservation Division  
811 S. First St.  
Artesia, NM 88210



RE: Dayton Water Line (Near Kent BSK #1H)  
30-015-40161  
Section 20, T18S-R26E  
Eddy County, New Mexico

Mr. Bratcher,

Yates Petroleum Corporation would like to submit the enclosed documents for closure of the above captioned release. These documents are in response to the C-141 Initial report submitted 12/14/12.

The release was caused by a failed collar on a buried produced water line. A vacuum truck was dispatched to recover any standing fluid. The line was shut in for repairs and a back hoe used to excavate the contaminated area.

The total volume of produced water released was 120 bbls with 5 bbls of fluid recovered. An approximate area of 300' x 100' was impacted. The impacted area was scraped down to approximately 6" and all impacted soil was hauled to an NMOCD approved facility for disposal. Representative samples of the impacted area were taken at 1', 2', and 3'.

If there are no objections, Yates Petroleum Corporation will submit a C-141 Final for closure. If you have any questions please feel free to contact me at (575) 748-4350.

Thank You,

Lupe Carrasco  
Environmental Regulatory Agent  
Yates Petroleum Corporation

Enclosure(s): Site, Drawing  
Analytical Summary Table  
Analytical Report (H202964)

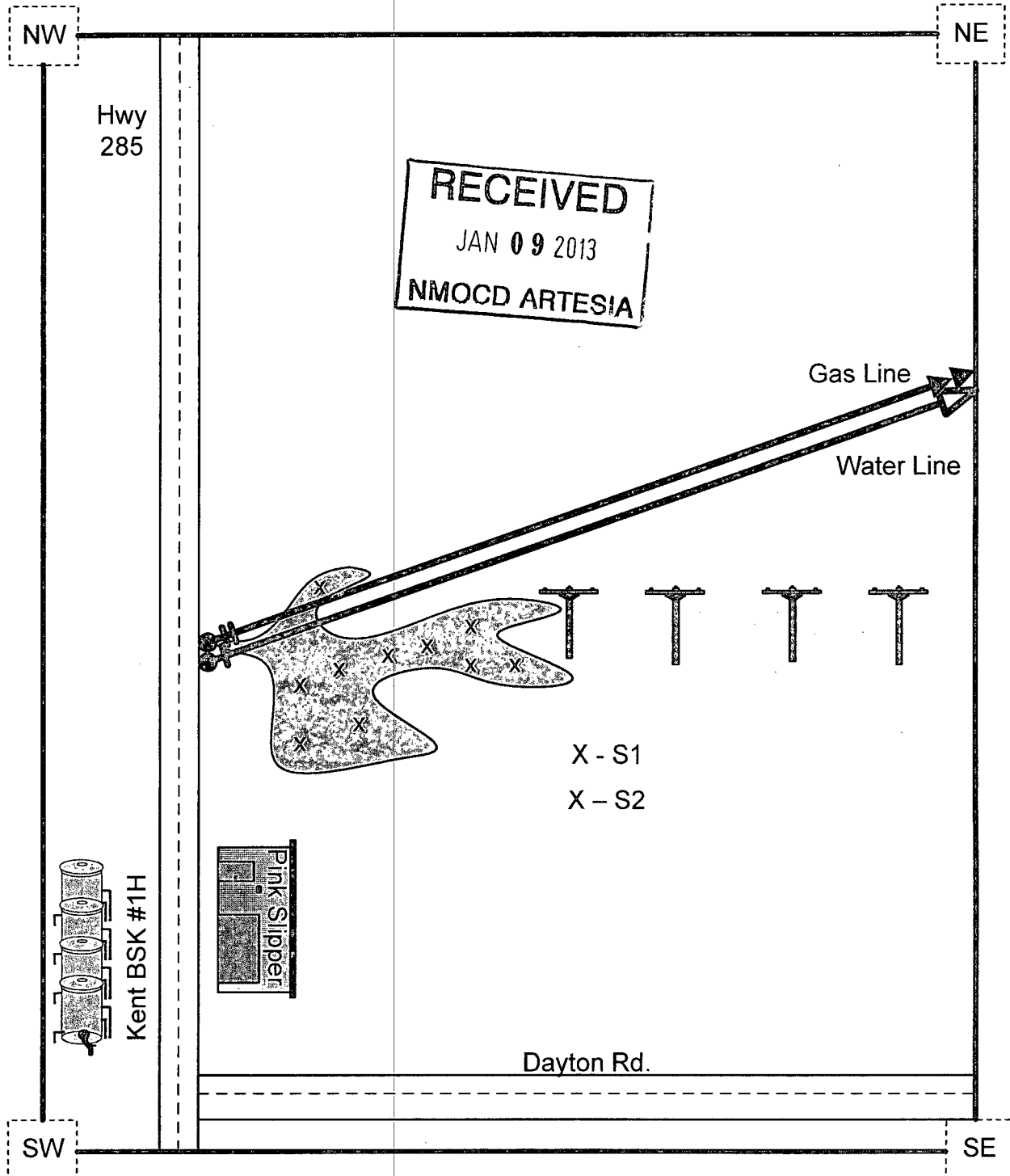
KATHY H. PORTER  
SECRETARY

DENNIS G. KINSEY  
TREASURER

# YATES PETROLEUM CORPORATION

Wednesday, December 19, 2012

Dayton Water Line (near Kent BSK #1H)



**RECEIVED**

JAN 09 2013

**NMOCD ARTESIA****Dayton Water Line (Near Kent BSK #1H)**

Analytical Report- H202964	Sample Date	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
S1	12/13/2012	1'	ND	ND	ND		960
S1	12/13/2012	2'	ND	ND	ND		256
S1	12/13/2012	3'	ND	ND	ND		480
S2	12/13/2012	1'	ND	ND	ND		416
S2	12/13/2012	2'	ND	ND	ND		224
S2	12/13/2012	3'	ND	ND	ND		512

Site Ranking is Zero (0). Depth to Ground Water >100' (125', Section 20, T18S-R26E, per NMOSE).

All results are ppm. Chlorides for documentation.

Released: 120 B/PW Recovered: 5 B/PW. Release Date: 12/06/2012



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

December 17, 2012

LUPE CARRASCO

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210

RE: DAYTON WATER LINE

Enclosed are the results of analyses for samples received by the laboratory on 12/10/12 15:15.

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/ga/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/ga/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.

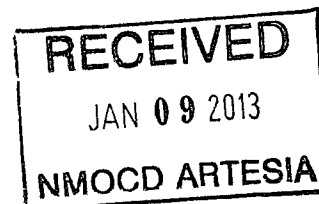
This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Celey D. Keene", written in a cursive style.

Celey D. Keene

Lab Director/Quality Manager



**Analytical Results For:**

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

 Received: 12/10/2012  
 Reported: 12/17/2012  
 Project Name: DAYTON WATER LINE  
 Project Number: 103-163  
 Project Location: EDDY COUNTY, NM

 Sampling Date: 12/07/2012  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: S1 - 1' (H202964-01)**

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	12/13/2012	ND	2.07	104	2.00	12.6		
Toluene*	<0.050	0.050	12/13/2012	ND	2.28	114	2.00	11.9		
Ethylbenzene*	<0.050	0.050	12/13/2012	ND	2.22	111	2.00	12.2		
Total Xylenes*	<0.150	0.150	12/13/2012	ND	6.64	111	6.00	12.8		
Total BTX	<0.300	0.300	12/13/2012	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 115 % 89.4-126

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	960	16.0	12/14/2012	ND	416	104	400	3.92		

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	12/12/2012	ND	176	87.8	200	4.15		
DRO >C10-C28	<10.0	10.0	12/12/2012	ND	190	95.1	200	4.50		

Surrogate: 1-Chlorooctane 87.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 99.6 % 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  
 LUPE CARRASCO  
 105 S 4th Street  
 Artesia NM, 88210  
 Fax To: (505) 748-4635

 Received: 12/10/2012  
 Reported: 12/17/2012  
 Project Name: DAYTON WATER LINE  
 Project Number: 103-163  
 Project Location: EDDY COUNTY, NM

 Sampling Date: 12/07/2012  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: S1 - 2' (H202964-02)**
**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	12/13/2012	ND	2.07	104	2.00	12.6	
Toluene*	<0.050	0.050	12/13/2012	ND	2.28	114	2.00	11.9	
Ethylbenzene*	<0.050	0.050	12/13/2012	ND	2.22	111	2.00	12.2	
Total Xylenes*	<0.150	0.150	12/13/2012	ND	6.64	111	6.00	12.8	
Total BTEX	<0.300	0.300	12/13/2012	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 115 % 89.4-126

**Chloride, SM4500Cl-B**

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>256</b>	16.0	12/14/2012	ND	416	104	400	3.92	

**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	12/12/2012	ND	176	87.8	200	4.15	
DRO >C10-C28	<10.0	10.0	12/12/2012	ND	190	95.1	200	4.50	

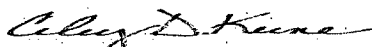
Surrogate: 1-Chlorooctane 82.8 % 65.2-140

Surrogate: 1-Chlorooctadecane 93.3 % 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  
LUPE CARRASCO  
105 S 4th Street  
Artesia NM, 88210  
Fax To: (505) 748-4635

Received: 12/10/2012  
Reported: 12/17/2012  
Project Name: DAYTON WATER LINE  
Project Number: 103-163  
Project Location: EDDY COUNTY, NM

Sampling Date: 12/07/2012  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: S1 - 3' (H202964-03)**

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	12/13/2012	ND	2.07	104	2.00	12.6	
Toluene*	<0.050	0.050	12/13/2012	ND	2.28	114	2.00	11.9	
Ethylbenzene*	<0.050	0.050	12/13/2012	ND	2.22	111	2.00	12.2	
Total Xylenes*	<0.150	0.150	12/13/2012	ND	6.64	111	6.00	12.8	
Total BTEX	<0.300	0.300	12/13/2012	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 115 % 89.4-126

Chloride, SM4500Cl-B mg/kg			Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	12/14/2012	ND	416	104	400	3.92	
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	12/12/2012	ND	176	87.8	200	4.15	
DRO >C10-C28	<10.0	10.0	12/12/2012	ND	190	95.1	200	4.50	

TPH 8015M

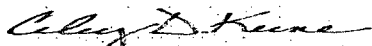
Surrogate: 1-Chlorooctane 76.0 % 65.2-140

Surrogate: 1-Chlorooctadecane 86.4 % 63.6-154

**Cardinal Laboratories**

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 12/10/2012  
Reported: 12/17/2012  
Project Name: DAYTON WATER LINE  
Project Number: 103-163  
Project Location: EDDY COUNTY, NM

Sampling Date: 12/07/2012  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: S2 - 1' (H202964-04)**

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	12/14/2012	ND	2.07	104	2.00	12.6		
Toluene*	<0.050	0.050	12/14/2012	ND	2.28	114	2.00	11.9		
Ethylbenzene*	<0.050	0.050	12/14/2012	ND	2.22	111	2.00	12.2		
Total Xylenes*	<0.150	0.150	12/14/2012	ND	6.64	111	6.00	12.8		
Total BTX	<0.300	0.300	12/14/2012	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 115 % 89.4-126

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	12/14/2012	ND	416	104	400	3.92		

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	12/12/2012	ND	176	87.8	200	4.15		
DRO >C10-C28	<10.0	10.0	12/12/2012	ND	190	95.1	200	4.50		

Surrogate: 1-Chlorooctane 81.1 % 65.2-140

Surrogate: 1-Chlorooctadecane 88.5 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager



**Analytical Results For:**

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

Received: 12/10/2012  
Reported: 12/17/2012  
Project Name: DAYTON WATER LINE  
Project Number: 103-163  
Project Location: EDDY COUNTY, NM

Sampling Date: 12/07/2012  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: S2 - 2' (H202964-05)**

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	12/14/2012	ND	2.07	104	2.00	12.6	
Toluene*	<0.050	0.050	12/14/2012	ND	2.28	114	2.00	11.9	
Ethylbenzene*	<0.050	0.050	12/14/2012	ND	2.22	111	2.00	12.2	
Total Xylenes*	<0.150	0.150	12/14/2012	ND	6.64	111	6.00	12.8	
Total BTEX	<0.300	0.300	12/14/2012	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 115 % 89.4-126

Chloride, SM4500Cl-B mg/kg			Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	12/14/2012	ND	416	104	400	3.92	

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	12/12/2012	ND	176	87.8	200	4.15	
DRO >C10-C28	<10.0	10.0	12/12/2012	ND	190	95.1	200	4.50	

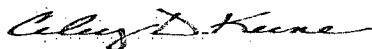
Surrogate: 1-Chlorooctane 90.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 102 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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

 Received: 12/10/2012  
 Reported: 12/17/2012  
 Project Name: DAYTON WATER LINE  
 Project Number: 103-163  
 Project Location: EDDY COUNTY, NM

 Sampling Date: 12/07/2012  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Jodi Henson

**Sample ID: S2 - 3' (H202964-06)**
**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	12/14/2012	ND	2.07	104	2.00	12.6	
Toluene*	<0.050	0.050	12/14/2012	ND	2.28	114	2.00	11.9	
Ethylbenzene*	<0.050	0.050	12/14/2012	ND	2.22	111	2.00	12.2	
Total Xylenes*	<0.150	0.150	12/14/2012	ND	6.64	111	6.00	12.8	
Total BTEX	<0.300	0.300	12/14/2012	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 115 % 89.4-126

**Chloride, SM4500Cl-B**

mg/kg

Analyzed By: AP

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>512</b>	16.0	12/14/2012	ND	416	104	400	3.92	

**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	12/12/2012	ND	176	87.8	200	4.15	
DRO >C10-C28	<10.0	10.0	12/12/2012	ND	190	95.1	200	4.50	

Surrogate: 1-Chlorooctane 75.6 % 65.2-140

Surrogate: 1-Chlorooctadecane 83.1 % 63.6-154

**Cardinal Laboratories**

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

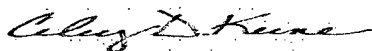
**Notes and Definitions**

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

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

