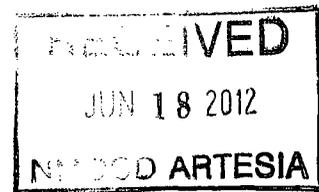


Analytical Report H201271 & H201349	Sample Date	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
S1 2'	6/6/2012	2'	883	13000	14700	27700	8130
S1 4'	6/6/2012	4'	797	6960	8110	15070	9860
S1 6'	6/6/2012	6'	627.6	4260	5200	9460	3160
S1 8'	6/6/2012	8'	604.6	3870	6440	10310	4320
S1 10'	6/6/2012	10'	1055	6290	9270	15560	5520
S1 12'	6/6/2012	12'	895.2	5190	7260	12450	3040
S1 14'	6/6/2012	14'	614.9	4870	8090	12960	208
S1 16'	6/13/2012	16'	434.7	2660	5120	7780	2520
S1 18'	6/13/2012	18'	841.2	4970	8500	13470	320
S1 20'	6/13/2012	20'	617.4	4360	6970	11330	32

Site Ranking is Zero (10). Depth to Ground Water <100' (approx. 95', per NMOSE).

All results are ppm.Chlorides for documentation.

Released: 53 B/O; Recovered: 0 B/O. Release Date: 5/29/2012



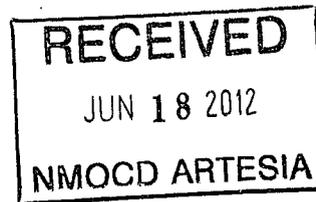
8

Analytical Report: H201349	Sample Date	Depth	BTEX	GRO	DRO	TOTAL	Chlorides
S1 North Wall 1 Bucket	6/13/2012	5'5"	141.2	1280	2810	4090	2320
S1 North Wall 2 Bucket	6/13/2012	5'5"	280.9	2390	4040	6430	1410
S1 North Wall 3 Bucket	6/13/2012	5'5"	ND	12.2	ND	12.2	ND
S1 North Wall 4 Bucket	6/13/2012	5'5"	ND	ND	ND	ND	ND
S1 South Wall 1 Bucket	6/13/2012	5'5"	190.4	2260	4340	6600	4400
S1 South Wall 2 Bucket	6/13/2012	5'5"	43.38	286	852	1138	10100

Site Ranking is Zero (10). Depth to Ground Water <100' (approx. 95', per NMOSE).

All results are ppm.Chlorides for documentation.

Released: 53 B/O; Recovered: 0 B/O. Release Date: 5/29/2012



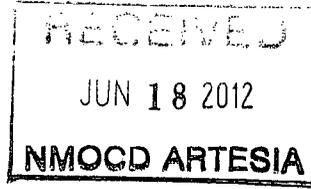
June 15, 2012

JEREMY HAASS

Yates Energy Petroleum Corp

105 S 4th Street

Artesia, NM 88210



RE: BOYD X STATE COM #12 BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/14/12 12:10.

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.

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

Received:	06/14/2012	Sampling Date:	06/13/2012
Reported:	06/15/2012	Sampling Type:	Soil
Project Name:	BOYD X STATE COM #12 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-28738	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: S 1 16' (H201349-01)

BTEX 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	42.7	5.00	06/14/2012	ND	1.91	95.5	2.00	2.76		
Toluene*	159	5.00	06/14/2012	ND	1.93	96.3	2.00	3.98		
Ethylbenzene*	107	5.00	06/14/2012	ND	1.97	98.4	2.00	4.72		
Total Xylenes*	126	15.0	06/14/2012	ND	5.99	99.8	6.00	6.57		

Surrogate: 4-Bromofluorobenzene (PIC) 113 % 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	2520	16.0	06/15/2012	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	2660	50.0	06/15/2012	ND	193	96.4	200	1.52			
DRO >C10-C28	5120	50.0	06/15/2012	ND	200	99.8	200	2.47			

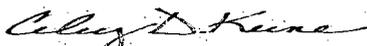
Surrogate: 1-Chlorooctane 225 % 65.2-140

Surrogate: 1-Chlorooctadecane 196 % 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
 JEREMY HAASS
 105 S 4th Street
 Artesia NM, 88210
 Fax To: (505) 748-4635

Received:	06/14/2012	Sampling Date:	06/13/2012
Reported:	06/15/2012	Sampling Type:	Soil
Project Name:	BOYD X STATE COM #12 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-28738	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: S 1 18' (H201349-02)

BTEX 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	74.2	5.00	06/14/2012	ND	1.91	95.5	2.00	2.76		
Toluene*	311	5.00	06/14/2012	ND	1.93	96.3	2.00	3.98		
Ethylbenzene*	211	5.00	06/14/2012	ND	1.97	98.4	2.00	4.72		
Total Xylenes*	245	15.0	06/14/2012	ND	5.99	99.8	6.00	6.57		

Surrogate: 4-Bromofluorobenzene (PIC) 121 % 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	320	16.0	06/15/2012	ND	416	104	400	3.77		

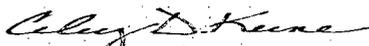
TPH 8015M		mg/kg		Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	4970	100	06/15/2012	ND	193	96.4	200	1.52			
DRO >C10-C28	8500	100	06/15/2012	ND	200	99.8	200	2.47			

Surrogate: 1-Chlorooctane 168 % 65.2-140
Surrogate: 1-Chlorooctadecane 193 % 63.6-154

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Analytical Results For:

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 JEREMY HAASS
 105 S 4th Street
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 Fax To: (505) 748-4635

Received:	06/14/2012	Sampling Date:	06/13/2012
Reported:	06/15/2012	Sampling Type:	Soil
Project Name:	BOYD X STATE COM #12 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-28738	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: S 1 20' (H201349-03)

BTEX 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	59.4	5.00	06/14/2012	ND	1.91	95.5	2.00	2.76		
Toluene*	234	5.00	06/14/2012	ND	1.93	96.3	2.00	3.98		
Ethylbenzene*	149	5.00	06/14/2012	ND	1.97	98.4	2.00	4.72		
Total Xylenes*	175	15.0	06/14/2012	ND	5.99	99.8	6.00	6.57		

Surrogate: 4-Bromofluorobenzene (PII) 113 % 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	32.0	16.0	06/15/2012	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	4360	50.0	06/15/2012	ND	193	96.4	200	1.52			
DRO >C10-C28	6970	50.0	06/15/2012	ND	200	99.8	200	2.47			

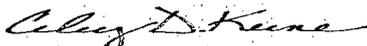
Surrogate: 1-Chlorooctane 280 % 65.2-140

Surrogate: 1-Chlorooctadecane 184 % 63.6-154

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Analytical Results For:

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 105 S 4th Street
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Received:	06/14/2012	Sampling Date:	06/13/2012
Reported:	06/15/2012	Sampling Type:	Soil
Project Name:	BOYD X STATE COM #12 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-28738	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: S 1 N WALL 1 BUCKET (H201349-04)

BTEX 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	10.3	5.00	06/14/2012	ND	1.91	95.5	2.00	2.76		
Toluene*	49.0	5.00	06/14/2012	ND	1.93	96.3	2.00	3.98		
Ethylbenzene*	37.0	5.00	06/14/2012	ND	1.97	98.4	2.00	4.72		
Total Xylenes*	44.9	15.0	06/14/2012	ND	5.99	99.8	6.00	6.57		

Surrogate: 4-Bromofluorobenzene (PIL) 109 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2320	16.0	06/15/2012	ND	416	104	400	3.77		

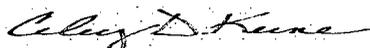
TPH 8015M		mg/kg		Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	1280	50.0	06/15/2012	ND	193	96.4	200	1.52			
DRO >C10-C28	2810	50.0	06/15/2012	ND	200	99.8	200	2.47			

Surrogate: 1-Chlorooctane 175 % 65.2-140
Surrogate: 1-Chlorooctadecane 166 % 63.6-154

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 105 S 4th Street
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 Fax To: (505) 748-4635

Received:	06/14/2012	Sampling Date:	06/13/2012
Reported:	06/15/2012	Sampling Type:	Soil
Project Name:	BOYD X STATE COM #12 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-28738	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: S 1 N WALL 2 BUCKET (H201349-05)

BTEX 8021B			mg/kg								Analyzed By: ZZZ	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier			
Benzene*	33.6	5.00	06/14/2012	ND	1.91	95.5	2.00	2.76				
Toluene*	103	5.00	06/14/2012	ND	1.93	96.3	2.00	3.98				
Ethylbenzene*	63.1	5.00	06/14/2012	ND	1.97	98.4	2.00	4.72				
Total Xylenes*	81.2	15.0	06/14/2012	ND	5.99	99.8	6.00	6.57				

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

Chloride, SM4500CI-B			mg/kg								Analyzed By: AP		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier				
Chloride	1410	16.0	06/15/2012	ND	416	104	400	3.77					
TPH 8015M			mg/kg								Analyzed By: MS		S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier				
GRO C6-C10	2390	50.0	06/15/2012	ND	193	96.4	200	1.52					
DRO >C10-C28	4040	50.0	06/15/2012	ND	200	99.8	200	2.47					

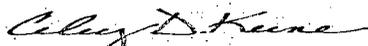
Surrogate: 1-Chlorooctane 204 % 65.2-140

Surrogate: 1-Chlorooctadecane 176 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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 JEREMY HAASS
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 Artesia NM, 88210
 Fax To: (505) 748-4635

Received:	06/14/2012	Sampling Date:	06/13/2012
Reported:	06/15/2012	Sampling Type:	Soil
Project Name:	BOYD X STATE COM #12 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-28738	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: S 1 N WALL 3 BUCKET (H201349-06)

BTEX 8021B			mg/kg								Analyzed By: ZZZ		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier				
Benzene*	<0.050	0.050	06/15/2012	ND	1.91	95.5	2.00	2.76					
Toluene*	<0.050	0.050	06/15/2012	ND	1.93	96.3	2.00	3.98					
Ethylbenzene*	<0.050	0.050	06/15/2012	ND	1.97	98.4	2.00	4.72					
Total Xylenes*	<0.150	0.150	06/15/2012	ND	5.99	99.8	6.00	6.57					

Surrogate: 4-Bromofluorobenzene (PIC) 106 % 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	<16.0	16.0	06/15/2012	ND	416	104	400	3.77					

TPH 8015M			mg/kg								Analyzed By: MS		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier				
GRO C6-C10	12.2	10.0	06/15/2012	ND	193	96.4	200	1.52					
DRO >C10-C28	<10.0	10.0	06/15/2012	ND	200	99.8	200	2.47					

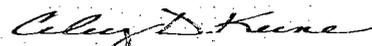
Surrogate: 1-Chlorooctane 101 % 65.2-140

Surrogate: 1-Chlorooctadecane 122 % 63.6-154

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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 JEREMY HAASS
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 Fax To: (505) 748-4635

Received:	06/14/2012	Sampling Date:	06/13/2012
Reported:	06/15/2012	Sampling Type:	Soil
Project Name:	BOYD X STATE COM #12 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-28738	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: S 1 N WALL 4 BUCKET (H201349-07)

BTEX 8021B			Analyzed By: ZZZ							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/15/2012	ND	1.91	95.5	2.00	2.76		
Toluene*	<0.050	0.050	06/15/2012	ND	1.93	96.3	2.00	3.98		
Ethylbenzene*	<0.050	0.050	06/15/2012	ND	1.97	98.4	2.00	4.72		
Total Xylenes*	<0.150	0.150	06/15/2012	ND	5.99	99.8	6.00	6.57		

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

Chloride, SM4500CI-B			Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/15/2012	ND	416	104	400	3.77		

TPH 8015M			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	06/15/2012	ND	193	96.4	200	1.52		
DRO >C10-C28	<10.0	10.0	06/15/2012	ND	200	99.8	200	2.47		

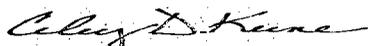
Surrogate: 1-Chlorooctane 103 % 65.2-140

Surrogate: 1-Chlorooctadecane 122 % 63.6-154

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

 Received: 06/14/2012
 Reported: 06/15/2012
 Project Name: BOYD X STATE COM #12 BATTERY
 Project Number: 30-015-28738
 Project Location: EDDY COUNTY, NM

 Sampling Date: 06/13/2012
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: S 1 S WALL 1 BUCKET (H201349-08)

BTEX 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	14.6	5.00	06/14/2012	ND	1.91	95.5	2.00	2.76		
Toluene*	66.5	5.00	06/14/2012	ND	1.93	96.3	2.00	3.98		
Ethylbenzene*	48.3	5.00	06/14/2012	ND	1.97	98.4	2.00	4.72		
Total Xylenes*	61.0	15.0	06/14/2012	ND	5.99	99.8	6.00	6.57		

Surrogate: 4-Bromofluorobenzene (PIC) 106 % 89.4-126

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4400	16.0	06/15/2012	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	2260	50.0	06/15/2012	ND	193	96.4	200	1.52			
DRO >C10-C28	4340	50.0	06/15/2012	ND	200	99.8	200	2.47			

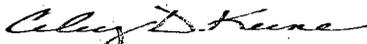
Surrogate: 1-Chlorooctane 212 % 65.2-140

Surrogate: 1-Chlorooctadecane 188 % 63.6-154

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Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

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

Received:	06/14/2012	Sampling Date:	06/13/2012
Reported:	06/15/2012	Sampling Type:	Soil
Project Name:	BOYD X STATE COM #12 BATTERY	Sampling Condition:	Cool & Intact
Project Number:	30-015-28738	Sample Received By:	Jodi Henson
Project Location:	EDDY COUNTY, NM		

Sample ID: S 1 S WALL 2 BUCKET (H201349-09)

BTEX 8021B		mg/kg		Analyzed By: ZZZ						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	2.48	0.200	06/15/2012	ND	1.91	95.5	2.00	2.76		
Toluene*	13.9	0.200	06/15/2012	ND	1.93	96.3	2.00	3.98		
Ethylbenzene*	12.0	0.200	06/15/2012	ND	1.97	98.4	2.00	4.72		
Total Xylenes*	15.0	0.600	06/15/2012	ND	5.99	99.8	6.00	6.57		

Surrogate: 4-Bromofluorobenzene (PIE) 132 % 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	10100	16.0	06/15/2012	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	286	50.0	06/15/2012	ND	193	96.4	200	1.52	
DRO >C10-C28	852	50.0	06/15/2012	ND	200	99.8	200	2.47	

Surrogate: 1-Chlorooctane 129 % 65.2-140

Surrogate: 1-Chlorooctadecane 143 % 63.6-154

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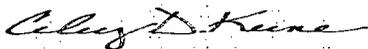
Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- 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

