

March 20, 2015

HARLEY EVERHART FRONTIER FIELD SERVICES 4200 SKELLY DRIVE, SUITE 700 TULSA, OK 74135

RE: ANDERSON RANCH REMEDIATION

Enclosed are the results of analyses for samples received by the laboratory on 03/16/15 11:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. 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 accreditated 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. Keine

Celey D. Keene Lab Director/Quality Manager



FRONTIER FIELD SERVICES HARLEY EVERHART 4200 SKELLY DRIVE, SUITE 700 TULSA OK, 74135 Fax To: (575) 676-2401

Received:	03/16/2015	Sampling Date:	03/16/2015
Reported:	03/20/2015	Sampling Type:	Soil
Project Name:	ANDERSON RANCH REMEDIATION	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	ANDERSON RANCH		

Sample ID: AR#4-01 (H500713-01)

BTEX 8021B	mg/	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2015	ND	2.17	108	2.00	2.16	
Toluene*	0.217	0.050	03/19/2015	ND	1.95	97.6	2.00	0.782	
Ethylbenzene*	0.139	0.050	03/19/2015	ND	1.93	96.6	2.00	1.69	
Total Xylenes*	2.50	0.150	03/19/2015	ND	5.85	97.6	6.00	1.86	
Total BTEX	2.85	0.300	03/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 61-154	t						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/18/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	93.1	10.0	03/18/2015	ND	200	100	200	0.434	
DRO >C10-C28	4970	10.0	03/18/2015	ND	213	106	200	1.78	
Surrogate: 1-Chlorooctane	118 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	154 9	% 52.1-17							

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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Received:	03/16/2015	Sampling Date:	03/16/2015
Reported:	03/20/2015	Sampling Type:	Soil
Project Name:	ANDERSON RANCH REMEDIATION	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	ANDERSON RANCH		

Sample ID: AR#4-02 (H500713-02)

BTEX 8021B	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2015	ND	2.17	108	2.00	2.16	
Toluene*	0.318	0.050	03/19/2015	ND	1.95	97.6	2.00	0.782	
Ethylbenzene*	0.383	0.050	03/19/2015	ND	1.93	96.6	2.00	1.69	
Total Xylenes*	2.94	0.150	03/19/2015	ND	5.85	97.6	6.00	1.86	
Total BTEX	3.64	0.300	03/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 61-154	!						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/18/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	119	10.0	03/18/2015	ND	200	100	200	0.434	
DRO >C10-C28	5870	10.0	03/18/2015	ND	213	106	200	1.78	
Surrogate: 1-Chlorooctane	126 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	152 9	52.1-17	6						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	03/16/2015	Sampling Date:	03/16/2015
Reported:	03/20/2015	Sampling Type:	Soil
Project Name:	ANDERSON RANCH REMEDIATION	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	ANDERSON RANCH		

Sample ID: AR#4-03 (H500713-03)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2015	ND	2.17	108	2.00	2.16	
Toluene*	0.209	0.050	03/19/2015	ND	1.95	97.6	2.00	0.782	
Ethylbenzene*	0.211	0.050	03/19/2015	ND	1.93	96.6	2.00	1.69	
Total Xylenes*	2.29	0.150	03/19/2015	ND	5.85	97.6	6.00	1.86	
Total BTEX	2.71	0.300	03/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	146 9	% 61-154	1						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/18/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	107	10.0	03/18/2015	ND	200	100	200	0.434	
DRO >C10-C28	4940	10.0	03/18/2015	ND	213	106	200	1.78	
Surrogate: 1-Chlorooctane	124 9	47.2-15	7						
Surrogate: 1-Chlorooctadecane	142 9	52.1-17	6						

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Received:	03/16/2015	Sampling Date:	03/16/2015
Reported:	03/20/2015	Sampling Type:	Soil
Project Name:	ANDERSON RANCH REMEDIATION	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	ANDERSON RANCH		

Sample ID: AR#4-04 (H500713-04)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2015	ND	2.17	108	2.00	2.16	
Toluene*	0.149	0.050	03/19/2015	ND	1.95	97.6	2.00	0.782	
Ethylbenzene*	0.092	0.050	03/19/2015	ND	1.93	96.6	2.00	1.69	
Total Xylenes*	1.56	0.150	03/19/2015	ND	5.85	97.6	6.00	1.86	
Total BTEX	1.80	0.300	03/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	127 9	% 61-154							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/18/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	61.0	10.0	03/18/2015	ND	200	100	200	0.434	
DRO >C10-C28	3020	10.0	03/18/2015	ND	213	106	200	1.78	
Surrogate: 1-Chlorooctane	102 9	47.2-15	7						
Surrogate: 1-Chlorooctadecane	122 9	52.1-17	6						

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Received:	03/16/2015	Sampling Date:	03/16/2015
Reported:	03/20/2015	Sampling Type:	Soil
Project Name:	ANDERSON RANCH REMEDIATION	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	ANDERSON RANCH		

Sample ID: AR#5-01 (H500713-05)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2015	ND	2.17	108	2.00	2.16	
Toluene*	<0.050	0.050	03/19/2015	ND	1.95	97.6	2.00	0.782	
Ethylbenzene*	<0.050	0.050	03/19/2015	ND	1.93	96.6	2.00	1.69	
Total Xylenes*	<0.150	0.150	03/19/2015	ND	5.85	97.6	6.00	1.86	
Total BTEX	<0.300	0.300	03/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 %	61-154	!						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/18/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	74.0	10.0	03/18/2015	ND	200	100	200	0.434	
DRO >C10-C28	7360	10.0	03/18/2015	ND	213	106	200	1.78	
Surrogate: 1-Chlorooctane	129 9	47.2-15	7						
Surrogate: 1-Chlorooctadecane	171 9	52.1-17							

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Received:	03/16/2015	Sampling Date:	03/16/2015
Reported:	03/20/2015	Sampling Type:	Soil
Project Name:	ANDERSON RANCH REMEDIATION	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	ANDERSON RANCH		

Sample ID: AR#5-02 (H500713-06)

BTEX 8021B	mg/	′kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2015	ND	2.17	108	2.00	2.16	
Toluene*	0.222	0.050	03/19/2015	ND	1.95	97.6	2.00	0.782	
Ethylbenzene*	0.085	0.050	03/19/2015	ND	1.93	96.6	2.00	1.69	
Total Xylenes*	0.908	0.150	03/19/2015	ND	5.85	97.6	6.00	1.86	
Total BTEX	1.21	0.300	03/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 61-154	!						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/18/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	45.3	10.0	03/18/2015	ND	200	100	200	0.434	
DRO >C10-C28	6820	10.0	03/18/2015	ND	213	106	200	1.78	
Surrogate: 1-Chlorooctane	109 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	167 9	52.1-17	6						

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Received:	03/16/2015	Sampling Date:	03/16/2015
Reported:	03/20/2015	Sampling Type:	Soil
Project Name:	ANDERSON RANCH REMEDIATION	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	ANDERSON RANCH		

Sample ID: AR#5-03 (H500713-07)

BTEX 8021B	mg/	kg	Analyze	d By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2015	ND	2.17	108	2.00	2.16		
Toluene*	<0.050	0.050	03/19/2015	ND	1.95	97.6	2.00	0.782		
Ethylbenzene*	<0.050	0.050	03/19/2015	ND	1.93	96.6	2.00	1.69		
Total Xylenes*	<0.150	0.150	03/19/2015	ND	5.85	97.6	6.00	1.86		
Total BTEX	<0.300	0.300	03/19/2015	ND						
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 61-154	!							
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP						
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/18/2015	ND	416	104	400	0.00		
TPH 8015M	mg/	'kg	Analyze	d By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/18/2015	ND	200	99.8	200	4.57		
DRO >C10-C28	2170	10.0	03/18/2015	ND	213	106	200	2.49		
Surrogate: 1-Chlorooctane	96.0	% 47.2-15	7							
Surrogate: 1-Chlorooctadecane	118 9	52.1-17	6							

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Received:	03/16/2015	Sampling Date:	03/16/2015
Reported:	03/20/2015	Sampling Type:	Soil
Project Name:	ANDERSON RANCH REMEDIATION	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	ANDERSON RANCH		

Sample ID: AR#9-01 (H500713-08)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2015	ND	2.17	108	2.00	2.16	
Toluene*	<0.050	0.050	03/19/2015	ND	1.95	97.6	2.00	0.782	
Ethylbenzene*	<0.050	0.050	03/19/2015	ND	1.93	96.6	2.00	1.69	
Total Xylenes*	<0.150	0.150	03/19/2015	ND	5.85	97.6	6.00	1.86	
Total BTEX	<0.300	0.300	03/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 61-154	!						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP					
Analyte	Result Reporting Limit		Analyzed Method Bla		BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1580	16.0	03/18/2015	03/18/2015 ND		104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/18/2015	ND	200	99.8	200	4.57	
DRO >C10-C28	77.5	10.0	03/18/2015	ND	213	106	200	2.49	
Surrogate: 1-Chlorooctane	90.9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	86.7	% 52.1-17	6						

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Celey D. Keene, Lab Director/Quality Manager



FRONTIER FIELD SERVICES HARLEY EVERHART 4200 SKELLY DRIVE, SUITE 700 TULSA OK, 74135 Fax To: (575) 676-2401

Received:	03/16/2015	Sampling Date:	03/16/2015
Reported:	03/20/2015	Sampling Type:	Soil
Project Name:	ANDERSON RANCH REMEDIATION	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	ANDERSON RANCH		

Sample ID: AR#9-02 (H500713-09)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2015	ND	2.17	108	2.00	2.16	
Toluene*	<0.050	0.050	03/19/2015	ND	1.95	97.6	2.00	0.782	
Ethylbenzene*	<0.050	0.050	03/19/2015	ND	1.93	96.6	2.00	1.69	
Total Xylenes*	<0.150	0.150	03/19/2015	ND	5.85	97.6	6.00	1.86	
Total BTEX	<0.300	0.300	03/19/2015	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	61-154							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP					
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	03/18/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	03/18/2015	ND	200	99.8	200	4.57	
DRO >C10-C28	858	10.0	03/18/2015	ND	213	106	200	2.49	
Surrogate: 1-Chlorooctane	92.5	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	96.0	52.1-17	6						

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Received:	03/16/2015	Sampling Date:	03/16/2015
Reported:	03/20/2015	Sampling Type:	Soil
Project Name:	ANDERSON RANCH REMEDIATION	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	ANDERSON RANCH		

Sample ID: AR#9-03 (H500713-10)

BTEX 8021B	mg/	kg	Analyze	d By: ms						
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2015	ND	2.17	108	2.00	2.16		
Toluene*	<0.050	0.050	03/19/2015	ND	1.95	97.6	2.00	0.782		
Ethylbenzene*	<0.050	0.050	03/19/2015	ND	1.93	96.6	2.00	1.69		
Total Xylenes*	<0.150	0.150	03/19/2015	ND	5.85	97.6	6.00	1.86		
Total BTEX	<0.300	0.300	03/19/2015	ND						
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 61-154	!							
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AP						
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	03/18/2015	ND	416	104	400	0.00		
TPH 8015M	mg/	'kg	Analyze	d By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/18/2015	ND	200	99.8	200	4.57		
DRO >C10-C28	672	10.0	03/18/2015	ND	213	106	200	2.49		
Surrogate: 1-Chlorooctane	97.3	% 47.2-15	7							
Surrogate: 1-Chlorooctadecane	97.2	% 52.1-17	6							

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Celey D. Keene, Lab Director/Quality Manager



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Received:	03/16/2015	Sampling Date:	03/16/2015
Reported:	03/20/2015	Sampling Type:	Soil
Project Name:	ANDERSON RANCH REMEDIATION	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	ANDERSON RANCH		

Sample ID: AR#9-04 (H500713-11)

BTEX 8021B	mg/	kg	Analyze	d By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2015	ND	2.17	108	2.00	2.16		
Toluene*	<0.050	0.050	03/19/2015	ND	1.95	97.6	2.00	0.782		
Ethylbenzene*	<0.050	0.050	03/19/2015	ND	1.93	96.6	2.00	1.69		
Total Xylenes*	<0.150	0.150	03/19/2015	ND	5.85	97.6	6.00	1.86		
Total BTEX	<0.300	0.300	03/19/2015	ND						
Surrogate: 4-Bromofluorobenzene (PID	106 9	61-154	!							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AP						
Analyte	Result Reporting Limit		Analyzed Method Bla		BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1490	16.0	03/18/2015	ND	416	104	400	0.00		
TPH 8015M	mg/	kg	Analyze	d By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<10.0	10.0	03/18/2015	ND	200	99.8	200	4.57		
DRO >C10-C28	256	10.0	03/18/2015	ND	213	106	200	2.49		
Surrogate: 1-Chlorooctane	92.4	% 47.2-15	7							
Surrogate: 1-Chlorooctadecane	99.9	52.1-17	6							

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

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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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 sample identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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