

Analysis Method: SM4500-CL C

ANALYST: AMANDEEP

Parameter: Chloride

SUPERVISOR REVIEW BY: apatel

Run Number: LB86008

Constant: 35450

Normality1: 0.0141

Reagent/Standard	Lot/Log #
Chloride LCS std, 100PPM	WP53143
Indicator-acidifier reagent - Chloride	WP52816
MERCURIC NITRATE, 0.0141 N 4L	W2051

Seq	Lab ID	True Value (mg/L)	Dilution	Sample Volume (ml)	Titrant Initial (ml)	Titrant Final (ml)	Titrant Diff. (ml)	Result (mg/L)	Anal Date	Anal Time
1	LB86008BL		1	50	0.00	0.04	0.04	0.00	02/24/2017	09:53
2	LB86008BS	100	1	10	0.04	2.04	2.00	97.97	02/24/2017	09:54
3	I1933-01		1	5	2.04	3.46	1.42	137.96	02/24/2017	09:55
4	I1933-01DUP		1	5	3.50	4.96	1.46	141.96	02/24/2017	09:55
5	I1933-01MS	100	1	5	6.34	8.66	2.32	227.93	02/24/2017	09:58
6	I1933-01MSD	100	1	5	0.00	2.32	2.32	227.93	02/24/2017	10:06
7	I1933-02		1	1	2.32	5.90	3.58	1769.45	02/24/2017	10:09
8	I1933-03		1	50	5.90	7.60	1.70	16.59	02/24/2017	10:12
9	I1933-04		1	1	0.00	0.86	0.86	409.87	02/24/2017	10:17
10	I1933-05		1	10	0.96	2.28	1.32	63.98	02/24/2017	10:20
11	I1933-06		1	5	2.32	3.52	1.20	115.96	02/24/2017	10:24
12	I1933-07		1	5	3.60	4.92	1.32	127.96	02/24/2017	10:28
13	I1933-08		1	10	4.92	6.42	1.50	72.98	02/24/2017	11:05
14	I1933-09		1	50	6.62	6.66	0.04	0.00	02/24/2017	11:09
15	I1933-10		1	1	6.68	7.96	1.28	619.81	02/24/2017	11:15
16	I1933-11		1	50	0.00	0.92	0.92	8.80	02/24/2017	11:17
17	I1933-26		1	50	0.96	1.96	1.00	9.60	02/24/2017	11:22
18	I1933-27		1	50	1.96	2.00	0.04	0.00	02/24/2017	11:24
19	I1933-28		1	5	2.06	3.62	1.56	151.95	02/24/2017	11:26
20	I1933-29		1	5	3.62	4.80	1.18	113.96	02/24/2017	11:29
21	I1933-30		1	10	4.80	9.98	5.18	256.92	02/24/2017	11:32
22	I1933-31		1	10	0.00	1.28	1.28	61.98	02/24/2017	11:40
23	I1933-32		1	10	1.28	2.22	0.94	44.99	02/24/2017	11:44
24	I1933-33		1	5	2.22	4.06	1.84	179.94	02/24/2017	11:46
25	I1934-01		1	5	4.06	5.06	1.00	95.97	02/24/2017	11:50
26	I1934-01DUP		1	5	5.06	6.06	1.00	95.97	02/24/2017	11:53
27	I1934-01MS	100	1	5	6.10	8.00	1.90	185.94	02/24/2017	11:54
28	I1934-01MSD	100	1	5	8.00	9.90	1.90	185.94	02/24/2017	12:13
29	I1934-02		1	5	0.00	2.96	2.96	291.91	02/24/2017	12:14
30	I1934-03		1	5	2.96	5.62	2.66	261.92	02/24/2017	12:20
31	I1934-04		1	5	5.62	8.26	2.64	259.92	02/24/2017	12:22

Titrant Diff = TitrantFinal - TitrantInitial

Result = (Titrant Diff - Row Blank Value * Normality)) * Constant /

Analysis Method: SM4500-CL C

ANALYST: AMANDEEP

Parameter: Chloride

SUPERVISOR REVIEW BY: apatel

Run Number: LB86008

Constant: 35450

Normality1: 0.0141

Reagent/Standard	Lot/Log #
Chloride LCS std, 100PPM	WP53143
Indicator-acidifier reagent - Chloride	WP52816
MERCURIC NITRATE, 0.0141 N 4L	W2051

Seq	Lab ID	True Value (mg/L)	Dilution	Sample Volume (ml)	Titrant Initial (ml)	Titrant Final (ml)	Titrant Diff. (ml)	Result (mg/L)	Anal Date	Anal Time
32	I1934-05		1	5	0.00	2.96	2.96	291.91	02/24/2017	12:24

Titrant Diff = TitrantFinal - TitrantInitial

Result = (Titrant Diff - Row Blank Value * Normality)) * Constant /

WORKLIST(Hardcopy Internal Chain)

WorkList Name : CL022317

WorkList ID : 95877

Date : 2/23/2017 8:52:09 AM

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
02/23/2017	Water	11953-02	Chloride		DIST01		2AVE-01	02/22/2017	SM4500-CL C
	Water	11933-01	Chloride	Cool 4 deg C	WEST04	I33	MW9-052-1	02/21/2017	SM4500-CL C
	Water	11933-02	Chloride	Cool 4 deg C	WEST04	I33	MW1-052-1	02/21/2017	SM4500-CL C
	Water	11933-03	Chloride	Cool 4 deg C	WEST04	I33	MW6-052-1	02/21/2017	SM4500-CL C
	Water	11933-04	Chloride	Cool 4 deg C	WEST04	I33	MWP4-052-1	02/21/2017	SM4500-CL C
	Water	11933-05	Chloride	Cool 4 deg C	WEST04	I33	MWP2-052-1	02/21/2017	SM4500-CL C
	Water	11933-06	Chloride	Cool 4 deg C	WEST04	I33	MW8M-052-1	02/21/2017	SM4500-CL C
	Water	11933-33	Chloride	Cool 4 deg C	WEST04	I33	MW10D-052-1	02/22/2017	SM4500-CL C
	Water	11934-01	Chloride	Cool 4 deg C	WEST04	I23	I011-052-1	02/21/2017	SM4500-CL C
	Water	11934-02	Chloride	Cool 4 deg C	WEST04	I23	I031-052-1	02/21/2017	SM4500-CL C
	Water	11934-03	Chloride	Cool 4 deg C	WEST04	I23	I041-052-1	02/21/2017	SM4500-CL C
	Water	11934-04	Chloride	Cool 4 deg C	WEST04	I23	I051-052-1	02/21/2017	SM4500-CL C
	Water	11934-05	Chloride	Cool 4 deg C	WEST04	I23	I061-052-1	02/21/2017	SM4500-CL C
	Water	11933-27	Chloride	Cool 4 deg C	WEST04	I33	MW2S-052-3	02/22/2017	SM4500-CL C
	Water	11933-28	Chloride	Cool 4 deg C	WEST04	I33	MW11M-052-1	02/22/2017	SM4500-CL C
	Water	11933-29	Chloride	Cool 4 deg C	WEST04	I33	MW11D-052-1	02/22/2017	SM4500-CL C
	Water	11933-30	Chloride	Cool 4 deg C	WEST04	I33	MW2S-052-1	02/22/2017	SM4500-CL C
	Water	11933-31	Chloride	Cool 4 deg C	WEST04	I33	MW10M-052-1	02/22/2017	SM4500-CL C
	Water	11933-32	Chloride	Cool 4 deg C	WEST04	I33	MW10M-052-2	02/22/2017	SM4500-CL C
	Water	11933-07	Chloride	Cool 4 deg C	WEST04	I33	MW8M-052-2	02/21/2017	SM4500-CL C
	Water	11933-08	Chloride	Cool 4 deg C	WEST04	I33	MW8D-052-1	02/21/2017	SM4500-CL C

Date/Time 2-24-17 9:00

Received by: AK

Relinquished by: [Signature]

Date/Time 2-24-17 12:30

Received by: AK

Relinquished by: AK

WORKLIST(Hardcopy Internal Chain)

WorkList Name : CL022317

WorkList ID : 95877

Date : 2/23/2017 8:52:09 AM

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
	Water	I1933-09	Chloride	Cool 4 deg C	WEST04	I33	MW4D-052-3	02/21/2017	SM4500-CL C
	Water	I1933-10	Chloride	Cool 4 deg C	WEST04	I33	MW4S-052-1	02/21/2017	SM4500-CL C
	Water	I1933-11	Chloride	Cool 4 deg C	WEST04	I33	MW4D-052-1	02/21/2017	SM4500-CL C
	Water	I1933-26	Chloride	Cool 4 deg C	WEST04	I33	MW4M-052-1	02/22/2017	SM4500-CL C

Date/Time 2-24-17 9:00
 Received by: AK
 Relinquished by: AK

Date/Time 2-24-17 12:30
 Received by: AK
 Relinquished by: AK