

Analysis Method: SM4500-CL C

ANALYST: AMANDEEP

Parameter: Chloride

SUPERVISOR REVIEW BY: apatel

Run Number: LB93504

Constant: 35450

Normality1: 0.0141

Reagent/Standard	Lot/Log #
Chloride LCS std, 100PPM	WP62268
Indicator-acidifier reagent - Chloride	WP61589
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	LB93504BL		1	50	0.00	0.08	0.08	0.00	02/26/2018	10:03
2	LB93504BS	100	1	9	0.08	2.14	2.06	109.97	02/26/2018	10:13
3	J1665-01		1	5	2.58	4.16	1.58	149.95	02/26/2018	10:17
4	J1665-01DUP		1	5	3.60	5.16	1.56	147.95	02/26/2018	10:21
5	J1665-01MS	100	1	5	5.36	7.82	2.46	237.93	02/26/2018	10:24
6	J1665-01MSD	100	1	5	0.00	2.50	2.50	241.92	02/26/2018	10:30
7	J1665-02		1	10	3.38	6.88	3.50	170.95	02/26/2018	10:34
8	J1665-03		1	10	6.88	8.00	1.12	51.98	02/26/2018	10:40
9	J1665-04		1	10	0.00	1.04	1.04	47.99	02/26/2018	10:52
10	J1665-05		1	5	1.04	3.00	1.96	187.94	02/26/2018	10:55
11	J1665-06		1	50	3.00	3.18	0.18	1.00	02/26/2018	10:59
12	J1665-07		1	5	3.18	4.90	1.72	163.95	02/26/2018	11:01
13	J1665-08		1	5	4.90	6.32	1.42	133.96	02/26/2018	11:04
14	J1665-09		1	1	6.32	7.68	1.36	639.80	02/26/2018	11:07
15	J1665-10		1	50	7.68	7.80	0.12	0.40	02/26/2018	11:10
16	J1681-01		1	1	4.76	9.24	4.48	2199.32	02/26/2018	12:43
17	J1681-02		1	50	3.90	4.02	0.12	0.40	02/26/2018	12:53
18	J1681-03		1	50	4.02	4.16	0.14	0.60	02/26/2018	12:54
19	J1681-04		1	10	4.16	6.40	2.24	107.97	02/26/2018	12:55
20	J1681-05		1	1	0.00	2.24	2.24	1079.67	02/26/2018	12:58
21	J1681-06		1	5	2.24	4.20	1.96	187.94	02/26/2018	13:00
22	J1681-07		1	5	4.20	5.96	1.76	167.95	02/26/2018	13:02
23	J1681-08		1	10	5.96	7.96	2.00	95.97	02/26/2018	13:04
24	J1681-09		1	50	7.96	8.06	0.10	0.20	02/26/2018	13:07
25	J1682-01		1	5	0.00	1.54	1.54	145.95	02/26/2018	12:43
26	J1682-02		1	5	1.54	4.84	3.30	321.90	02/26/2018	13:22
27	J1682-03		1	5	4.84	8.10	3.26	317.90	02/26/2018	13:25
28	J1682-04		1	5	0.00	3.74	3.74	365.89	02/26/2018	13:28
29	J1682-05		1	5	3.74	7.40	3.66	357.89	02/26/2018	13:33
30	J1682-05DUP		1	5	0.00	3.40	3.40	331.90	02/26/2018	13:36
31	J1682-05MS	100	1	5	3.40	7.72	4.32	423.87	02/26/2018	13:36

Titrant Diff = TitrantFinal - TitrantInitial

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

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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	J1682-05MSD	100	1	5	0.00	4.36	4.36	427.87	02/26/2018	13:40

Titrant Diff = TitrantFinal - TitrantInitial

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

WORKLIST(Hardcopy Internal Chain)

WorkList Name : CL022318

WorkList ID : 108903

Date : 2/23/2018 2:22:48 PM

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
03/08/2018	Water	J1665-01	Chloride	Cool 4 deg C	WEST04	E11	MW9-056-1	02/22/2018	SM4500-CL C
03/08/2018	Water	J1665-02	Chloride	Cool 4 deg C	WEST04	E11	MW2S-056-1	02/22/2018	SM4500-CL C
03/08/2018	Water	J1665-03	Chloride	Cool 4 deg C	WEST04	E11	MW10M-056-1	02/22/2018	SM4500-CL C
03/08/2018	Water	J1665-04	Chloride	Cool 4 deg C	WEST04	E11	MW10M-056-2	02/22/2018	SM4500-CL C
03/08/2018	Water	J1665-05	Chloride	Cool 4 deg C	WEST04	E11	MW10D-056-1	02/22/2018	SM4500-CL C
03/08/2018	Water	J1665-06	Chloride	Cool 4 deg C	WEST04	E11	MW11M-056-3	02/22/2018	SM4500-CL C
03/08/2018	Water	J1665-07	Chloride	Cool 4 deg C	WEST04	E11	MW11M-056-1	02/22/2018	SM4500-CL C
03/08/2018	Water	J1665-08	Chloride	Cool 4 deg C	WEST04	E11	MW11D-056-1	02/22/2018	SM4500-CL C
03/08/2018	Water	J1665-09	Chloride	Cool 4 deg C	WEST04	E11	MW4S-056-1	02/22/2018	SM4500-CL C
03/08/2018	Water	J1665-10	Chloride	Cool 4 deg C	WEST04	E11	MW4D-056-1	02/22/2018	SM4500-CL C
03/09/2018	Water	J1681-01	Chloride	Cool 4 deg C	WEST04	E41	MW1-056-1	02/23/2018	SM4500-CL C
03/09/2018	Water	J1681-02	Chloride	Cool 4 deg C	WEST04	E41	MW6-056-3	02/23/2018	SM4500-CL C
03/09/2018	Water	J1681-03	Chloride	Cool 4 deg C	WEST04	E41	MW6-056-1	02/23/2018	SM4500-CL C
03/09/2018	Water	J1681-04	Chloride	Cool 4 deg C	WEST04	E41	MW8D-056-1	02/23/2018	SM4500-CL C
03/09/2018	Water	J1681-05	Chloride	Cool 4 deg C	WEST04	E41	MWP4-056-1	02/23/2018	SM4500-CL C
03/09/2018	Water	J1681-06	Chloride	Cool 4 deg C	WEST04	E41	MW8M-056-1	02/23/2018	SM4500-CL C
03/09/2018	Water	J1681-07	Chloride	Cool 4 deg C	WEST04	E41	MW8M-056-2	02/23/2018	SM4500-CL C
03/09/2018	Water	J1681-08	Chloride	Cool 4 deg C	WEST04	E41	MWP2-056-1	02/23/2018	SM4500-CL C
03/09/2018	Water	J1681-09	Chloride	Cool 4 deg C	WEST04	E41	MW4M-056-1	02/23/2018	SM4500-CL C
03/09/2018	Water	J1682-01	Chloride	Cool 4 deg C	WEST04	D61	I011-056-1	02/23/2018	SM4500-CL C
03/09/2018	Water	J1682-02	Chloride	Cool 4 deg C	WEST04	D61	I031-056-1	02/23/2018	SM4500-CL C

Date/Time 2-26-18 8:45

Received by: AK

Relinquished by: AK

Date/Time 2-26-18 14:10

Received by: AK

Relinquished by: AK

WORKLIST(Hardcopy Internal Chain)

WorkList Name : CL022318

WorkList ID : 108903

Date : 2/23/2018 2:22:48 PM

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
03/09/2018	Water	J1682-03	Chloride	Cool 4 deg C	WEST04	D61	I04I-056-1	02/23/2018	SM4500-CL C
03/09/2018	Water	J1682-04	Chloride	Cool 4 deg C	WEST04	D61	I05I-056-1	02/23/2018	SM4500-CL C
03/09/2018	Water	J1682-05	Chloride	Cool 4 deg C	WEST04	D61	I06I-056-1	02/23/2018	SM4500-CL C

Date/Time 2-26-18 8:45
 Received by: ATP
 Relinquished by: CP

Date/Time 2-26-18 14:10
 Received by: CP
 Relinquished by: AK