

Analysis Method: SM4500-CL C

ANALYST: AMANDEEP

Parameter: Dissolved Chloride

SUPERVISOR REVIEW BY: apatel

Run Number: LB93505

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	LB93505BL		1	50	0.00	0.10	0.10	0.00	02/26/2018	11:22
2	LB93505BS	100	1	10	0.10	2.16	2.06	97.97	02/26/2018	11:23
3	J1665-11		1	5	2.16	3.62	1.46	135.96	02/26/2018	11:24
4	J1665-11DUP		1	5	3.70	5.10	1.40	129.96	02/26/2018	11:33
5	J1665-11MS	100	1	5	5.10	7.44	2.34	223.93	02/26/2018	11:36
6	J1665-11MSD	100	1	5	0.00	2.24	2.24	213.93	02/26/2018	11:42
7	J1665-12		1	10	3.30	6.74	3.44	166.95	02/26/2018	11:43
8	J1665-13		1	10	0.00	1.04	1.04	46.99	02/26/2018	12:04
9	J1665-14		1	10	1.04	2.10	1.06	47.99	02/26/2018	12:41
10	J1665-15		1	5	2.10	4.06	1.96	185.94	02/26/2018	12:43
11	J1665-16		1	50	4.10	4.24	0.14	0.40	02/26/2018	12:46
12	J1665-17		1	5	4.24	5.92	1.68	157.95	02/26/2018	12:48
13	J1665-18		1	5	5.92	7.34	1.42	131.96	02/26/2018	12:52
14	J1665-19		1	1	0.00	1.36	1.36	629.80	02/26/2018	12:56
15	J1665-20		1	50	1.36	1.48	0.12	0.20	02/26/2018	13:01
16	J1681-10		1	1	0.00	3.90	3.90	1899.41	02/26/2018	14:00
17	J1681-11		1	50	0.00	0.12	0.12	0.20	02/26/2018	14:22
18	J1681-12		1	50	0.40	0.50	0.10	0.00	02/26/2018	14:23
19	J1681-13		1	10	2.70	4.66	1.96	92.97	02/26/2018	14:25
20	J1681-14		1	1	4.66	6.46	1.80	849.74	02/26/2018	14:27
21	J1681-15		1	5	6.46	8.06	1.60	149.95	02/26/2018	14:32
22	J1681-16		1	5	8.06	9.76	1.70	159.95	02/26/2018	14:34
23	J1681-17		1	10	0.00	2.00	2.00	94.97	02/26/2018	14:37
24	J1681-18		1	50	2.00	2.10	0.10	0.00	02/26/2018	14:39
25	J1682-06		1	5	5.20	6.74	1.54	143.96	02/26/2018	14:40
26	J1682-07		1	5	6.74	9.84	3.10	299.91	02/26/2018	14:43
27	J1682-08		1	5	0.00	3.30	3.30	319.90	02/26/2018	14:46
28	J1682-09		1	5	3.30	6.40	3.10	299.91	02/26/2018	14:50
29	J1682-10		1	5	0.00	2.90	2.90	279.91	02/26/2018	14:53
30	J1682-10DUP		1	5	2.90	5.40	2.50	239.93	02/26/2018	14:54
31	J1682-10MS	100	1	5	4.60	8.36	3.76	365.89	02/26/2018	14:55

Titrant Diff = TitrantFinal - TitrantInitial

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

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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
32	J1682-10MSD	100	1	5	0.00	3.60	3.60	349.89	02/26/2018	15:01

Titrant Diff = TitrantFinal - TitrantInitial

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

68733000
893505

WORKLIST(Hardcopy Internal Chain)

WorkList Name : DCL022318

WorkList ID : 108904

Date : 2/23/2018 2:22:51 PM

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
03/08/2018	Water	J1665-11	C	Dissolved Chloride	WEST04	E11	MW9-056-1	02/22/2018	SM4500-CL C
03/08/2018	Water	J1665-12		Dissolved Chloride	WEST04	E11	MW2S-056-1	02/22/2018	SM4500-CL C
03/08/2018	Water	J1665-13		Dissolved Chloride	WEST04	E11	MW10M-056-1	02/22/2018	SM4500-CL C
03/08/2018	Water	J1665-14		Dissolved Chloride	WEST04	E11	MW10M-056-2	02/22/2018	SM4500-CL C
03/08/2018	Water	J1665-15		Dissolved Chloride	WEST04	E11	MW10D-056-1	02/22/2018	SM4500-CL C
03/08/2018	Water	J1665-16		Dissolved Chloride	WEST04	E11	MW11M-056-3	02/22/2018	SM4500-CL C
03/08/2018	Water	J1665-17		Dissolved Chloride	WEST04	E11	MW11M-056-1	02/22/2018	SM4500-CL C
03/08/2018	Water	J1665-18		Dissolved Chloride	WEST04	E11	MW11D-056-1	02/22/2018	SM4500-CL C
03/08/2018	Water	J1665-19		Dissolved Chloride	WEST04	E11	MW4S-056-1	02/22/2018	SM4500-CL C
03/08/2018	Water	J1665-20	✓	Dissolved Chloride	WEST04	E11	MW4D-056-1	02/22/2018	SM4500-CL C
03/09/2018	Water	J1681-10	C	Dissolved Chloride	WEST04	E41	MW1-056-1	02/23/2018	SM4500-CL C
03/09/2018	Water	J1681-11		Dissolved Chloride	WEST04	E41	MW6-056-3	02/23/2018	SM4500-CL C
03/09/2018	Water	J1681-12		Dissolved Chloride	WEST04	E41	MW6-056-1	02/23/2018	SM4500-CL C
03/09/2018	Water	J1681-13		Dissolved Chloride	WEST04	E41	MW8D-056-1	02/23/2018	SM4500-CL C
03/09/2018	Water	J1681-14		Dissolved Chloride	WEST04	E41	MWP4-056-1	02/23/2018	SM4500-CL C
03/09/2018	Water	J1681-15		Dissolved Chloride	WEST04	E41	MW8M-056-1	02/23/2018	SM4500-CL C
03/09/2018	Water	J1681-16		Dissolved Chloride	WEST04	E41	MW8M-056-2	02/23/2018	SM4500-CL C
03/09/2018	Water	J1681-17		Dissolved Chloride	WEST04	E41	MWP2-056-1	02/23/2018	SM4500-CL C
03/09/2018	Water	J1681-18	✓	Dissolved Chloride	WEST04	E41	MW4M-056-1	02/23/2018	SM4500-CL C
03/09/2018	Water	J1682-06	C	Dissolved Chloride	WEST04	D61	I01L-056-1	02/23/2018	SM4500-CL C
03/09/2018	Water	J1682-07		Dissolved Chloride	WEST04	D61	I03L-056-1	02/23/2018	SM4500-CL C

Date/Time 2-26-18 8:30
Received by: AK
Relinquished by: AK
Date/Time 2-26-18 15:30
Received by: AK
Relinquished by: AK

WORKLIST(Hardcopy Internal Chain)

WorkList Name : DCL022318

WorkList ID : 108904

Date : 2/23/2018 2:22:51 PM

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
03/09/2018	Water	J1682-08	Dissolved Chloride	Cool 4 deg C	WEST04	D61	I04I-056-1	02/23/2018	SM4500-CL C
03/09/2018	Water	J1682-09	Dissolved Chloride	Cool 4 deg C	WEST04	D61	I05I-056-1	02/23/2018	SM4500-CL C
03/09/2018	Water	J1682-10	Dissolved Chloride	Cool 4 deg C	WEST04	D61	I06I-056-1	02/23/2018	SM4500-CL C

Date/Time 2-26-18 8:30

Received by: CP

Relinquished by: CP

Date/Time 2-26-18 18:30

Received by: CP

Relinquished by: CP