

Analysis Method: 9034

ANALYST: sweta

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: apatel

Run Number: LB98690

Constant: 16000

Normality1: 0.025

Normality2: 0.025

Reagent/Standard	Lot/Log #
Sodium thiosulfate titrant 0.025N	WP68780
IODINE SOLUTION .025N 1L	W2410
Starch Solution, 4L	W2277

Seq	Lab ID	True Value (mg/l)	DF	Initial Weight (g)	Final Volume (ml)	T1 (ml)	T2 Initial	T2 Final	T2 Diff. (ml)	T1 - T2 Diff (mL)	Value Corrected With Blank	Result (ppm)	Anal Date	Anal Time
1	PB113971BL		1	5.03	50	2.00	0.00	1.86	1.86	0.14	0.00	0.00	10/18/2018	14:00
2	J5202-02		1	5.03	50	2.00	1.86	3.50	1.64	0.36	0.22	17.50	10/18/2018	14:03
3	J5202-02DUP		1	5.04	50	2.00	3.50	5.16	1.66	0.34	0.20	15.87	10/18/2018	14:05
4	J5202-04		1	5.04	50	2.00	0.00	1.60	1.60	0.40	0.26	20.63	10/18/2018	14:07
5	J5202-06		1	5.06	50	2.00	1.60	3.24	1.64	0.36	0.22	17.39	10/18/2018	14:09
6	J5204-06		1	5.02	50	2.00	3.24	4.90	1.66	0.34	0.20	15.94	10/18/2018	14:11
7	J5204-08		1	5.03	50	2.00	4.90	6.66	1.76	0.24	0.10	7.95	10/18/2018	14:13
8	J5538-16		1	5.00	50	2.00	6.66	8.40	1.74	0.26	0.12	9.60	10/18/2018	14:15
9	J5538-17		1	5.02	50	2.00	8.40	9.86	1.46	0.54	0.40	31.87	10/18/2018	14:17
10	J5538-18		1	5.03	50	2.00	0.00	1.58	1.58	0.42	0.28	22.27	10/18/2018	14:19
11	J5538-19		1	5.00	50	2.00	1.58	3.20	1.62	0.38	0.24	19.20	10/18/2018	14:21
12	J5538-20		1	5.05	50	2.00	3.20	4.90	1.70	0.30	0.16	12.67	10/18/2018	14:23

T1 = Titrant1

T2 = Titrant2

T2 Diff = T2 Final - T2 Initial

Value Corrected With Blank = ((T1 - T2 Diff) - Blank Correction(BL))

Result = ((T1 * Normality1) - ((T1 - Value Corrected With Blank) * Normality2)) * Constant / Initial Volume

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Normality2: 0.025

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Seq	Lab ID	True Value (mg/l)	DF	Initial Weight (g)	Final Volume (ml)	T1 (ml)	T2 Initial	T2 Final	T2 Diff. (ml)	T1 - T2 Diff (mL)	Value Corrected With Blank	Result (ppm)	Anal Date	Anal Time
13	J5538-21		1	5.02	50	2.00	4.90	6.76	1.86	0.14	0.00	0.00	10/18/2018	14:25
14	J5538-22		1	5.03	50	2.00	6.76	8.50	1.74	0.26	0.12	9.54	10/18/2018	14:27
15	J5538-23		1	5.04	50	2.00	8.50	9.90	1.40	0.60	0.46	36.51	10/18/2018	14:29
16	J5538-24		1	5.06	50	2.00	0.00	1.80	1.80	0.20	0.06	4.74	10/18/2018	14:31
17	J5549-01		1	5.00	50	2.00	1.80	3.66	1.86	0.14	0.00	0.00	10/18/2018	14:33
18	J5549-02		1	5.02	50	2.00	3.66	5.30	1.64	0.36	0.22	17.53	10/18/2018	14:35
19	J5579-04		1	5.04	50	2.00	5.30	6.80	1.50	0.50	0.36	28.57	10/18/2018	14:37

T1 = Titrant1

T2 = Titrant2

T2 Diff = T2 Final - T2 Initial

Value Corrected With Blank = ((T1 - T2 Diff) - Blank Correction(BL))

Result = ((T1 * Normality1) - ((T1 - Value Corrected With Blank) * Normality2)) * Constant / Initial Volume