

Analysis Method: 9034

ANALYST: Iwona

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: jignesh

Run Number: LB122756

Constant: 16000

Normality1: 0.025

Normality2: 0.025

Reagent/Standard	Lot/Log #
SODIUM THIOSULFATE, 0.025N, 4LITRE	W2843
IODINE SOLUTION .025N 1L	W2924
Starch Solution, 4L	W2766

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	PB148797BL		1	5.00	50	2.00	0.00	1.92	1.92	0.08	0.00	0.00	11/04/2022	09:30
2	N5396-02		1	5.03	50	2.00	0.00	1.88	1.88	0.12	0.04	3.18	11/04/2022	09:33
3	N5396-02DUP		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.06	4.76	11/04/2022	09:35
4	N5396-05		1	5.02	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	11/04/2022	09:38
5	N5396-08		1	5.05	50	2.00	0.00	1.86	1.86	0.14	0.06	4.75	11/04/2022	09:40
6	N5396-11		1	5.07	50	2.00	0.00	1.88	1.88	0.12	0.04	3.16	11/04/2022	09:42
7	N5396-14		1	5.03	50	2.00	0.00	1.84	1.84	0.16	0.08	6.36	11/04/2022	09:45
8	N5396-17		1	5.02	50	2.00	0.00	1.88	1.88	0.12	0.04	3.19	11/04/2022	09:48
9	N5406-02		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	11/04/2022	09:50
10	N5406-04		1	5.07	50	2.00	0.00	1.84	1.84	0.16	0.08	6.31	11/04/2022	09:53
11	N5406-06		1	5.03	50	2.00	0.00	1.86	1.86	0.14	0.06	4.77	11/04/2022	09:55
12	N5412-01		1	5.02	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	11/04/2022	09:57

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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IODINE SOLUTION .025N 1L	W2924
Starch Solution, 4L	W2766

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	N5412-02		1	5.06	50	2.00	0.00	1.84	1.84	0.16	0.08	6.32	11/04/2022	10:00
14	N5418-02		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	11/04/2022	10:02
15	N5418-05		1	5.05	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	11/04/2022	10:05
16	N5418-08		1	5.02	50	2.00	0.00	1.86	1.86	0.14	0.06	4.78	11/04/2022	10:08
17	N5418-11		1	5.05	50	2.00	0.00	1.84	1.84	0.16	0.08	6.34	11/04/2022	10:10
18	N5418-14		1	5.03	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	11/04/2022	10:13
19	N5418-17		1	5.08	50	2.00	0.00	1.86	1.86	0.14	0.06	4.72	11/04/2022	10:15
20	N5425-02		1	5.01	50	2.00	0.00	1.86	1.86	0.14	0.06	4.79	11/04/2022	10:18
21	N5449-01		1	5.03	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	11/04/2022	10:20
22	N5449-02		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	11/04/2022	10:23

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