

Analysis Method: 9034

ANALYST: Iwona

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: jignesh

Run Number: LB121997

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	PB147623BL		1	5.00	50	2.00	0.00	1.92	1.92	0.08	0.00	0.00	09/14/2022	09:20
2	N4571-01		1	5.06	50	2.00	0.00	1.86	1.86	0.14	0.06	4.74	09/14/2022	09:23
3	N4571-01DUP		1	5.02	50	2.00	0.00	1.88	1.88	0.12	0.04	3.19	09/14/2022	09:25
4	N4573-01		1	5.02	50	2.00	0.00	1.84	1.84	0.16	0.08	6.37	09/14/2022	09:28
5	N4577-01		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	09/14/2022	09:30
6	N4578-04		1	5.02	50	2.00	0.00	1.84	1.84	0.16	0.08	6.37	09/14/2022	09:33
7	N4578-08		1	5.05	50	2.00	0.00	1.82	1.82	0.18	0.10	7.92	09/14/2022	09:35
8	N4578-12		1	5.02	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	09/14/2022	09:38
9	N4578-16		1	5.07	50	2.00	0.00	1.88	1.88	0.12	0.04	3.16	09/14/2022	09:40
10	N4578-20		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	09/14/2022	09:42
11	N4578-24		1	5.03	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	09/14/2022	09:45
12	N4578-28		1	5.02	50	2.00	0.00	1.86	1.86	0.14	0.06	4.78	09/14/2022	09:48

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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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	N4578-32		1	5.06	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	09/14/2022	09:50
14	N4578-37		1	5.04	50	2.00	0.00	1.84	1.84	0.16	0.08	6.35	09/14/2022	09:53
15	N4578-42		1	5.05	50	2.00	0.00	1.86	1.86	0.14	0.06	4.75	09/14/2022	09:55
16	N4579-04		1	5.02	50	2.00	0.00	1.82	1.82	0.18	0.10	7.97	09/14/2022	09:58
17	N4579-08		1	5.05	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	09/14/2022	10:00
18	N4579-12		1	5.03	50	2.00	0.00	1.86	1.86	0.14	0.06	4.77	09/14/2022	10:02
19	N4579-16		1	5.07	50	2.00	0.00	1.88	1.88	0.12	0.04	3.16	09/14/2022	10:05
20	N4579-20		1	5.02	50	2.00	0.00	1.86	1.86	0.14	0.06	4.78	09/14/2022	10:08
21	N4579-24		1	5.06	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	09/14/2022	10:10

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