

Analysis Method: 9034

ANALYST: rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB135714

Constant: 16000

Normality1: 0.025

Normality2: 0.025

Reagent/Standard	Lot/Log #
SODIUM THIOSULFATE, 0.025N, 4LITRE	W3105
IODINE SOLUTION .025N 1L	W3114
Starch Solution, 4L	W3149

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	PB167908BL		1	5.00	50	2.00	0.00	1.94	1.94	0.06	0.00	0.00	05/09/2025	08:20
2	Q1972-04		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.04	3.17	05/09/2025	08:23
3	Q1972-04DUP		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.04	3.17	05/09/2025	08:26
4	Q1972-08		1	5.03	50	2.00	0.00	1.86	1.86	0.14	0.08	6.36	05/09/2025	08:28
5	Q1972-12		1	5.01	50	2.00	0.00	1.86	1.86	0.14	0.08	6.39	05/09/2025	08:30
6	Q1972-16		1	5.07	50	2.00	0.00	1.90	1.90	0.10	0.04	3.16	05/09/2025	08:33
7	Q1972-20		1	5.02	50	2.00	0.00	1.88	1.88	0.12	0.06	4.78	05/09/2025	08:35
8	Q1972-24		1	5.05	50	2.00	0.00	1.92	1.92	0.08	0.02	1.58	05/09/2025	08:37
9	Q1974-02		1	5.02	50	2.00	0.00	1.90	1.90	0.10	0.04	3.19	05/09/2025	08:39
10	Q1974-04		1	5.07	50	2.00	0.00	1.88	1.88	0.12	0.06	4.73	05/09/2025	08:41
11	Q1983-06		1	5.06	50	2.00	0.00	1.90	1.90	0.10	0.04	3.16	05/09/2025	08:43
12	Q1983-12		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.04	3.17	05/09/2025	08:46

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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SODIUM THIOSULFATE, 0.025N, 4LITRE	W3105
IODINE SOLUTION .025N 1L	W3114
Starch Solution, 4L	W3149

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	Q1983-18		1	5.03	50	2.00	0.00	1.86	1.86	0.14	0.08	6.36	05/09/2025	08:48
14	Q1983-24		1	5.08	50	2.00	0.00	1.86	1.86	0.14	0.08	6.30	05/09/2025	08:50
15	Q1983-30		1	5.05	50	2.00	0.00	1.92	1.92	0.08	0.02	1.58	05/09/2025	08:53
16	Q1983-36		1	5.05	50	2.00	0.00	1.90	1.90	0.10	0.04	3.17	05/09/2025	08:55
17	Q1983-42		1	5.06	50	2.00	0.00	1.86	1.86	0.14	0.08	6.32	05/09/2025	08:57
18	Q1983-48		1	5.06	50	2.00	0.00	1.92	1.92	0.08	0.02	1.58	05/09/2025	09:00
19	Q1983-54		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.06	4.76	05/09/2025	09:03

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