

Analysis Method: 9034

ANALYST: rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB135593

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	PB167784BL		1	5.00	50	2.00	0.00	1.92	1.92	0.08	0.00	0.00	04/29/2025	11:35
2	Q1896-01		1	5.06	50	2.00	0.00	1.86	1.86	0.14	0.06	4.74	04/29/2025	11:38
3	Q1900-04		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	04/29/2025	11:40
4	Q1900-08		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.06	4.76	04/29/2025	11:42
5	Q1900-12		1	5.01	50	2.00	0.00	1.90	1.90	0.10	0.02	1.60	04/29/2025	11:45
6	Q1901-08		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	04/29/2025	11:48
7	Q1901-09		1	5.02	50	2.00	0.00	1.86	1.86	0.14	0.06	4.78	04/29/2025	11:50
8	Q1901-10		1	5.07	50	2.00	0.00	1.84	1.84	0.16	0.08	6.31	04/29/2025	11:53
9	Q1901-11		1	5.06	50	2.00	0.00	1.84	1.84	0.16	0.08	6.32	04/29/2025	11:56
10	Q1904-02		1	5.03	50	2.00	0.00	1.88	1.88	0.12	0.04	3.18	04/29/2025	11:59
11	Q1906-04		1	5.06	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	04/29/2025	12:02
12	Q1906-08		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.06	4.76	04/29/2025	12:04

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	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	Q1906-12		1	5.05	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	04/29/2025	12:07
14	Q1906-16		1	5.08	50	2.00	0.00	1.88	1.88	0.12	0.04	3.15	04/29/2025	12:10
15	Q1906-16DUP		1	5.08	50	2.00	0.00	1.88	1.88	0.12	0.04	3.15	04/29/2025	12:13

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