

Analysis Method: 9034

ANALYST: rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB135967

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	PB168193BL		1	5.00	50	2.00	0.00	1.92	1.92	0.08	0.00	0.00	05/30/2025	16:30
2	Q2143-01		1	5.02	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	05/30/2025	16:33
3	Q2143-01DUP		1	5.02	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	05/30/2025	16:36
4	Q2143-02		1	5.07	50	2.00	0.00	1.86	1.86	0.14	0.06	4.73	05/30/2025	16:38
5	Q2144-01		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	05/30/2025	16:40
6	Q2144-02		1	5.03	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	05/30/2025	16:42
7	Q2146-04		1	5.07	50	2.00	0.00	1.86	1.86	0.14	0.06	4.73	05/30/2025	16:43
8	Q2149-01		1	5.01	50	2.00	0.00	1.88	1.88	0.12	0.04	3.19	05/30/2025	16:45
9	Q2151-04		1	5.05	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	05/30/2025	16:47
10	Q2159-04		1	5.07	50	2.00	0.00	1.88	1.88	0.12	0.04	3.16	05/30/2025	16:50
11	Q2160-04		1	5.05	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	05/30/2025	16:52
12	Q2160-08		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.06	4.76	05/30/2025	16:54

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	Q2172-04		1	5.02	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	05/30/2025	16:56
14	Q2173-06		1	5.03	50	2.00	0.00	1.86	1.86	0.14	0.06	4.77	05/30/2025	16:58
15	Q2173-12		1	5.01	50	2.00	0.00	1.90	1.90	0.10	0.02	1.60	05/30/2025	17:01
16	Q2173-18		1	5.03	50	2.00	0.00	1.86	1.86	0.14	0.06	4.77	05/30/2025	17:03

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