

Analysis Method: 9034

ANALYST: rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB136618

Constant: 16000

Normality1: 0.025

Normality2: 0.025

Reagent/Standard	Lot/Log #
SODIUM THIOSULFATE, 0.025N, 4LITRE	W3105
IODINE SOLUTION .025N 1L	W3213
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	PB168992BL		1	5.00	50	2.00	0.00	1.94	1.94	0.06	0.00	0.00	07/25/2025	12:10
2	Q2685-01		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.04	3.17	07/25/2025	12:13
3	Q2685-01DUP		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.04	3.17	07/25/2025	12:16
4	Q2685-02		1	5.01	50	2.00	0.00	1.90	1.90	0.10	0.04	3.19	07/25/2025	12:19
5	Q2685-03		1	5.06	50	2.00	0.00	1.90	1.90	0.10	0.04	3.16	07/25/2025	12:22
6	Q2685-04		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.08	6.35	07/25/2025	12:24
7	Q2688-01		1	5.05	50	2.00	0.00	1.88	1.88	0.12	0.06	4.75	07/25/2025	12:27
8	Q2688-02		1	5.07	50	2.00	0.00	1.90	1.90	0.10	0.04	3.16	07/25/2025	12:30
9	Q2688-03		1	5.01	50	2.00	0.00	1.92	1.92	0.08	0.02	1.60	07/25/2025	12:32
10	Q2688-04		1	5.03	50	2.00	0.00	1.90	1.90	0.10	0.04	3.18	07/25/2025	12:35
11	Q2688-05		1	5.05	50	2.00	0.00	1.86	1.86	0.14	0.08	6.34	07/25/2025	12:37
12	Q2688-06		1	5.07	50	2.00	0.00	1.86	1.86	0.14	0.08	6.31	07/25/2025	12:39

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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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	Q2688-07		1	5.01	50	2.00	0.00	1.88	1.88	0.12	0.06	4.79	07/25/2025	12:42
14	Q2688-08		1	5.08	50	2.00	0.00	1.90	1.90	0.10	0.04	3.15	07/25/2025	12:45
15	Q2688-10		1	5.05	50	2.00	0.00	1.86	1.86	0.14	0.08	6.34	07/25/2025	12:47
16	Q2688-11		1	5.08	50	2.00	0.00	1.88	1.88	0.12	0.06	4.72	07/25/2025	12:50
17	Q2691-02		1	5.06	50	2.00	0.00	1.92	1.92	0.08	0.02	1.58	07/25/2025	12:53
18	Q2691-08		1	5.08	50	2.00	0.00	1.90	1.90	0.10	0.04	3.15	07/25/2025	12:55

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