

Analysis Method: 9034

ANALYST: rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB135345

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	PB167494BL		1	5.00	50	2.00	0.00	1.90	1.90	0.10	0.00	0.00	04/08/2025	14:50
2	Q1712-04		1	5.07	50	2.00	0.00	1.88	1.88	0.12	0.02	1.58	04/08/2025	14:53
3	Q1712-04DUP		1	5.07	50	2.00	0.00	1.88	1.88	0.12	0.02	1.58	04/08/2025	14:56
4	Q1712-08		1	5.04	50	2.00	0.00	1.84	1.84	0.16	0.06	4.76	04/08/2025	14:58
5	Q1732-04		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.02	1.59	04/08/2025	15:00
6	Q1737-02		1	5.07	50	2.00	0.00	1.86	1.86	0.14	0.04	3.16	04/08/2025	15:03
7	Q1740-04		1	5.01	50	2.00	0.00	1.86	1.86	0.14	0.04	3.19	04/08/2025	15:06
8	Q1743-04		1	5.05	50	2.00	0.00	1.84	1.84	0.16	0.06	4.75	04/08/2025	15:09
9	Q1744-02		1	5.06	50	2.00	0.00	1.88	1.88	0.12	0.02	1.58	04/08/2025	15:12
10	Q1744-04		1	5.07	50	2.00	0.00	1.88	1.88	0.12	0.02	1.58	04/08/2025	15:15
11	Q1745-04		1	5.02	50	2.00	0.00	1.86	1.86	0.14	0.04	3.19	04/08/2025	15:18
12	Q1745-12		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.02	1.59	04/08/2025	15:20

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	Q1746-02		1	5.01	50	2.00	0.00	1.86	1.86	0.14	0.04	3.19	04/08/2025	15:22
14	Q1746-04		1	5.03	50	2.00	0.00	1.84	1.84	0.16	0.06	4.77	04/08/2025	15:24
15	Q1748-04		1	5.01	50	2.00	0.00	1.86	1.86	0.14	0.04	3.19	04/08/2025	15:26
16	Q1748-08		1	5.05	50	2.00	0.00	1.88	1.88	0.12	0.02	1.58	04/08/2025	15:28
17	Q1749-04		1	5.04	50	2.00	0.00	1.84	1.84	0.16	0.06	4.76	04/08/2025	15:30

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