

Analysis Method: 9034

ANALYST: rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB133280

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	PB164613BL		1	5.00	50	2.00	0.00	1.94	1.94	0.06	0.00	0.00	11/04/2024	16:15
2	P4660-03		1	5.02	50	2.00	0.00	1.88	1.88	0.12	0.06	4.78	11/04/2024	16:18
3	P4660-03DUP		1	5.02	50	2.00	0.00	1.88	1.88	0.12	0.06	4.78	11/04/2024	16:20
4	P4660-07		1	5.07	50	2.00	0.00	1.90	1.90	0.10	0.04	3.16	11/04/2024	16:23
5	P4660-11		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.08	6.35	11/04/2024	16:25
6	P4667-04		1	5.03	50	2.00	0.00	1.90	1.90	0.10	0.04	3.18	11/04/2024	16:28
7	P4667-08		1	5.02	50	2.00	0.00	1.86	1.86	0.14	0.08	6.37	11/04/2024	16:30
8	P4667-12		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.08	6.35	11/04/2024	16:33
9	P4667-16		1	5.01	50	2.00	0.00	1.90	1.90	0.10	0.04	3.19	11/04/2024	16:35
10	P4679-04		1	5.05	50	2.00	0.00	1.88	1.88	0.12	0.06	4.75	11/04/2024	16:38
11	P4680-04		1	5.03	50	2.00	0.00	1.90	1.90	0.10	0.04	3.18	11/04/2024	16:40
12	P4680-08		1	5.05	50	2.00	0.00	1.86	1.86	0.14	0.08	6.34	11/04/2024	16:43

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	P4682-02		1	5.02	50	2.00	0.00	1.88	1.88	0.12	0.06	4.78	11/04/2024	16:45
14	P4693-04		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.06	4.76	11/04/2024	16:48
15	P4693-08		1	5.01	50	2.00	0.00	1.90	1.90	0.10	0.04	3.19	11/04/2024	16:50
16	P4694-04		1	5.05	50	2.00	0.00	1.90	1.90	0.10	0.04	3.17	11/04/2024	16:53
17	P4694-08		1	5.03	50	2.00	0.00	1.86	1.86	0.14	0.08	6.36	11/04/2024	16:55
18	P4695-04		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.08	6.35	11/04/2024	16:58

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