

Analysis Method: 9034

ANALYST: rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB133148

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	PB164425BL		1	5.00	50	2.00	0.00	1.94	1.94	0.06	0.00	0.00	10/26/2024	11:40
2	P4545-02		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.04	3.17	10/26/2024	11:43
3	P4545-02DUP		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.04	3.17	10/26/2024	11:45
4	P4547-04		1	5.07	50	2.00	0.00	1.86	1.86	0.14	0.08	6.31	10/26/2024	11:48
5	P4547-08		1	5.03	50	2.00	0.00	1.88	1.88	0.12	0.06	4.77	10/26/2024	11:50
6	P4561-04		1	5.01	50	2.00	0.00	1.90	1.90	0.10	0.04	3.19	10/26/2024	11:52
7	P4561-08		1	5.07	50	2.00	0.00	1.86	1.86	0.14	0.08	6.31	10/26/2024	11:55
8	P4567-04		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.04	3.17	10/26/2024	11:58
9	P4567-08		1	5.07	50	2.00	0.00	1.90	1.90	0.10	0.04	3.16	10/26/2024	12:00
10	P4567-12		1	5.05	50	2.00	0.00	1.86	1.86	0.14	0.08	6.34	10/26/2024	12:03
11	P4574-03		1	5.03	50	2.00	0.00	1.90	1.90	0.10	0.04	3.18	10/26/2024	12:05
12	P4574-06		1	5.05	50	2.00	0.00	1.86	1.86	0.14	0.08	6.34	10/26/2024	12:08

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	P4578-06		1	5.02	50	2.00	0.00	1.88	1.88	0.12	0.06	4.78	10/26/2024	12:10
14	P4578-08		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.06	4.76	10/26/2024	12:12

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