

Analysis Method: 9034

ANALYST: rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB133208

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	PB164492BL		1	5.00	50	2.00	0.00	1.92	1.92	0.08	0.00	0.00	10/30/2024	12:20
2	P4594-04		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	10/30/2024	12:23
3	P4594-04DUP		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	10/30/2024	12:25
4	P4594-08		1	5.02	50	2.00	0.00	1.88	1.88	0.12	0.04	3.19	10/30/2024	12:28
5	P4594-12		1	5.07	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	10/30/2024	12:30
6	P4594-16		1	5.03	50	2.00	0.00	1.86	1.86	0.14	0.06	4.77	10/30/2024	12:33
7	P4594-20		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	10/30/2024	12:35
8	P4595-02		1	5.01	50	2.00	0.00	1.88	1.88	0.12	0.04	3.19	10/30/2024	12:38
9	P4597-03		1	5.07	50	2.00	0.00	1.86	1.86	0.14	0.06	4.73	10/30/2024	12:40
10	P4597-06		1	5.06	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	10/30/2024	12:43
11	P4597-09		1	5.03	50	2.00	0.00	1.86	1.86	0.14	0.06	4.77	10/30/2024	12:45
12	P4597-12		1	5.05	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	10/30/2024	12:48

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	P4598-04		1	5.02	50	2.00	0.00	1.86	1.86	0.14	0.06	4.78	10/30/2024	12:50
14	P4598-08		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	10/30/2024	12:52
15	P4598-12		1	5.01	50	2.00	0.00	1.86	1.86	0.14	0.06	4.79	10/30/2024	12:55
16	P4612-04		1	5.01	50	2.00	0.00	1.90	1.90	0.10	0.02	1.60	10/30/2024	12:58
17	P4613-02		1	5.05	50	2.00	0.00	1.86	1.86	0.14	0.06	4.75	10/30/2024	13:00
18	P4616-04		1	5.06	50	2.00	0.00	1.86	1.86	0.14	0.06	4.74	10/30/2024	13:02
19	P4616-08		1	5.02	50	2.00	0.00	1.88	1.88	0.12	0.04	3.19	10/30/2024	13:05
20	P4617-04		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	10/30/2024	13:08

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