

Analysis Method: 9034

ANALYST: Rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB125699

Constant: 16000

Normality1: 0.025

Normality2: 0.025

Reagent/Standard	Lot/Log #
SODIUM THIOSULFATE, 0.025N, 4LITRE	W2976
IODINE SOLUTION .025N 1L	W2924
Starch Solution, 4L	W2977

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	PB153049BL		1	5.00	50	2.00	0.00	1.92	1.92	0.08	0.00	0.00	05/30/2023	12:40
2	O2908-03		1	5.05	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	05/30/2023	12:43
3	O2908-03DUP		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	05/30/2023	12:45
4	O2908-05		1	5.02	50	2.00	0.00	1.80	1.80	0.20	0.12	9.56	05/30/2023	12:48
5	O2908-08		1	5.03	50	2.00	0.00	1.88	1.88	0.12	0.04	3.18	05/30/2023	12:50
6	O2913-02		1	5.04	50	2.00	0.00	1.82	1.82	0.18	0.10	7.94	05/30/2023	12:53
7	O2916-02		1	5.03	50	2.00	0.00	1.84	1.84	0.16	0.08	6.36	05/30/2023	12:56
8	O2945-02		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.06	4.76	05/30/2023	12:58
9	O2945-05		1	5.07	50	2.00	0.00	1.86	1.86	0.14	0.06	4.73	05/30/2023	13:00
10	O2945-07		1	5.04	50	2.00	0.00	1.82	1.82	0.18	0.10	7.94	05/30/2023	13:02
11	O2953-03		1	5.02	50	2.00	0.00	1.84	1.84	0.16	0.08	6.37	05/30/2023	13:05
12	O2953-06		1	5.06	50	2.00	0.00	1.82	1.82	0.18	0.10	7.91	05/30/2023	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

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Normality2: 0.025

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IODINE SOLUTION .025N 1L	W2924
Starch Solution, 4L	W2977

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	O2955-03		1	5.02	50	2.00	0.00	1.88	1.88	0.12	0.04	3.19	05/30/2023	13:10
14	O2955-05		1	5.06	50	2.00	0.00	1.86	1.86	0.14	0.06	4.74	05/30/2023	13:13
15	O2955-07		1	5.05	50	2.00	0.00	1.82	1.82	0.18	0.10	7.92	05/30/2023	13:15
16	O2955-10		1	5.05	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	05/30/2023	13:18
17	O2955-12		1	5.05	50	2.00	0.00	1.82	1.82	0.18	0.10	7.92	05/30/2023	13:20
18	O2957-02		1	5.07	50	2.00	0.00	1.84	1.84	0.16	0.08	6.31	05/30/2023	13:22
19	O2957-05		1	5.06	50	2.00	0.00	1.86	1.86	0.14	0.06	4.74	05/30/2023	13:25
20	O2971-02		1	5.05	50	2.00	0.00	1.86	1.86	0.14	0.06	4.75	05/30/2023	13:28
21	O2971-04		1	5.02	50	2.00	0.00	1.88	1.88	0.12	0.04	3.19	05/30/2023	13:30
22	O2971-06		1	5.03	50	2.00	0.00	1.84	1.84	0.16	0.08	6.36	05/30/2023	13:33

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