

Analysis Method: 9034

ANALYST: Rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB126122

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	PB153676BL		1	5.00	50	2.00	0.00	1.92	1.92	0.08	0.00	0.00	06/22/2023	08:05
2	O3328-02		1	5.06	50	2.00	0.00	1.86	1.86	0.14	0.06	4.74	06/22/2023	08:08
3	O3328-02DUP		1	5.06	50	2.00	0.00	1.86	1.86	0.14	0.06	4.74	06/22/2023	08:10
4	O3328-08		1	5.05	50	2.00	0.00	1.82	1.82	0.18	0.10	7.92	06/22/2023	08:12
5	O3328-14		1	5.03	50	2.00	0.00	1.84	1.84	0.16	0.08	6.36	06/22/2023	08:15
6	O3328-20		1	5.02	50	2.00	0.00	1.86	1.86	0.14	0.06	4.78	06/22/2023	08:18
7	O3329-02		1	5.03	50	2.00	0.00	1.86	1.86	0.14	0.06	4.77	06/22/2023	08:20
8	O3329-08		1	5.02	50	2.00	0.00	1.82	1.82	0.18	0.10	7.97	06/22/2023	08:23
9	O3329-14		1	5.05	50	2.00	0.00	1.84	1.84	0.16	0.08	6.34	06/22/2023	08:25
10	O3329-20		1	5.04	50	2.00	0.00	1.84	1.84	0.16	0.08	6.35	06/22/2023	08:28
11	O3337-02		1	5.06	50	2.00	0.00	1.88	1.88	0.12	0.04	3.16	06/22/2023	08:30
12	O3337-05		1	5.03	50	2.00	0.00	1.82	1.82	0.18	0.10	7.95	06/22/2023	08:33

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

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Normality2: 0.025

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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	O3337-08		1	5.02	50	2.00	0.00	1.86	1.86	0.14	0.06	4.78	06/22/2023	08:36
14	O3337-11		1	5.05	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	06/22/2023	08:38
15	O3337-14		1	5.04	50	2.00	0.00	1.84	1.84	0.16	0.08	6.35	06/22/2023	08:40
16	O3337-17		1	5.03	50	2.00	0.00	1.86	1.86	0.14	0.06	4.77	06/22/2023	08:43
17	O3337-20		1	5.05	50	2.00	0.00	1.82	1.82	0.18	0.10	7.92	06/22/2023	08:45
18	O3345-01		1	5.07	50	2.00	0.00	1.86	1.86	0.14	0.06	4.73	06/22/2023	08:48
19	O3345-02		1	5.06	50	2.00	0.00	1.88	1.88	0.12	0.04	3.16	06/22/2023	08:50
20	O3360-04		1	5.02	50	2.00	0.00	1.82	1.82	0.18	0.10	7.97	06/22/2023	08:53
21	O3360-08		1	5.03	50	2.00	0.00	1.82	1.82	0.18	0.10	7.95	06/22/2023	08:56

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