

Analysis Method: 9034

ANALYST: Rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB125615

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	PB152940BL		1	5.00	50	2.00	0.00	1.92	1.92	0.08	0.00	0.00	05/24/2023	11:20
2	O2864-02		1	5.06	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	05/24/2023	11:23
3	O2864-02DUP		1	5.02	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	05/24/2023	11:26
4	O2864-04		1	5.03	50	2.00	0.00	1.88	1.88	0.12	0.04	3.18	05/24/2023	11:28
5	O2864-06		1	5.04	50	2.00	0.00	1.82	1.82	0.18	0.10	7.94	05/24/2023	11:30
6	O2864-08		1	5.07	50	2.00	0.00	1.86	1.86	0.14	0.06	4.73	05/24/2023	11:33
7	O2886-02		1	5.03	50	2.00	0.00	1.86	1.86	0.14	0.06	4.77	05/24/2023	11:35
8	O2891-02		1	5.07	50	2.00	0.00	1.84	1.84	0.16	0.08	6.31	05/24/2023	11:38
9	O2892-02		1	5.05	50	2.00	0.00	1.84	1.84	0.16	0.08	6.34	05/24/2023	11:40
10	O2892-05		1	5.06	50	2.00	0.00	1.82	1.82	0.18	0.10	7.91	05/24/2023	11:42
11	O2892-08		1	5.06	50	2.00	0.00	1.84	1.84	0.16	0.08	6.32	05/24/2023	11:45
12	O2892-11		1	5.03	50	2.00	0.00	1.86	1.86	0.14	0.06	4.77	05/24/2023	11:48

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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Normality2: 0.025

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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	O2892-14		1	5.02	50	2.00	0.00	1.88	1.88	0.12	0.04	3.19	05/24/2023	11:50
14	O2894-02		1	5.04	50	2.00	0.00	1.82	1.82	0.18	0.10	7.94	05/24/2023	11:53
15	O2894-05		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	05/24/2023	11:55
16	O2897-01		1	5.03	50	2.00	0.00	1.84	1.84	0.16	0.08	6.36	05/24/2023	11:58
17	O2899-03		1	5.05	50	2.00	0.00	1.82	1.82	0.18	0.10	7.92	05/24/2023	12:00
18	O2899-05		1	5.07	50	2.00	0.00	1.84	1.84	0.16	0.08	6.31	05/24/2023	12:03
19	O2899-07		1	5.06	50	2.00	0.00	1.86	1.86	0.14	0.06	4.74	05/24/2023	12:06
20	O2899-09		1	5.03	50	2.00	0.00	1.84	1.84	0.16	0.08	6.36	05/24/2023	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