

Analysis Method: 9034

ANALYST: Rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB126763

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	PB154605BL		1	5.00	50	2.00	0.00	1.92	1.92	0.08	0.00	0.00	08/07/2023	10:45
2	O3854-02		1	5.02	50	2.00	0.00	1.86	1.86	0.14	0.06	4.78	08/07/2023	10:48
3	O3854-02DUP		1	5.02	50	2.00	0.00	1.86	1.86	0.14	0.06	4.78	08/07/2023	10:50
4	O3877-02		1	5.01	50	2.00	0.00	1.88	1.88	0.12	0.04	3.19	08/07/2023	10:53
5	O3877-05		1	5.03	50	2.00	0.00	1.82	1.82	0.18	0.10	7.95	08/07/2023	10:56
6	O3877-08		1	5.01	50	2.00	0.00	1.82	1.82	0.18	0.10	7.98	08/07/2023	10:58
7	O3887-02		1	5.02	50	2.00	0.00	1.84	1.84	0.16	0.08	6.37	08/07/2023	11:00
8	O3887-05		1	5.03	50	2.00	0.00	1.86	1.86	0.14	0.06	4.77	08/07/2023	11:03
9	O3887-08		1	5.04	50	2.00	0.00	1.82	1.82	0.18	0.10	7.94	08/07/2023	11:06
10	O3887-11		1	5.03	50	2.00	0.00	1.84	1.84	0.16	0.08	6.36	08/07/2023	11:08
11	O3887-14		1	5.02	50	2.00	0.00	1.84	1.84	0.16	0.08	6.37	08/07/2023	11:10
12	O3891-02		1	5.02	50	2.00	0.00	1.84	1.84	0.16	0.08	6.37	08/07/2023	11:12

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

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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	O3891-04		1	5.03	50	2.00	0.00	1.88	1.88	0.12	0.04	3.18	08/07/2023	11:15
14	O3891-06		1	5.03	50	2.00	0.00	1.84	1.84	0.16	0.08	6.36	08/07/2023	11:18
15	O3895-02		1	5.04	50	2.00	0.00	1.82	1.82	0.18	0.10	7.94	08/07/2023	11:20
16	O3896-01		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	08/07/2023	11:23
17	O3908-02		1	5.06	50	2.00	0.00	1.86	1.86	0.14	0.06	4.74	08/07/2023	11:25
18	O3913-02		1	5.05	50	2.00	0.00	1.84	1.84	0.16	0.08	6.34	08/07/2023	11:28
19	O3919-02		1	5.06	50	2.00	0.00	1.82	1.82	0.18	0.10	7.91	08/07/2023	11:30
20	O3919-05		1	5.01	50	2.00	0.00	1.88	1.88	0.12	0.04	3.19	08/07/2023	11:33

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