

Analysis Method: 9034

ANALYST: Rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB125021

Constant: 16000

Normality1: 0.025

Normality2: 0.025

Reagent/Standard	Lot/Log #
SODIUM THIOSULFATE, 0.025N, 4LITRE	W2941
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	PB152155BL		1	5.00	50	2.00	0.00	1.92	1.92	0.08	0.00	0.00	04/18/2023	14:45
2	O2365-01		1	5.06	50	2.00	0.00	1.88	1.88	0.12	0.04	3.16	04/18/2023	14:48
3	O2365-01DUP		1	5.06	50	2.00	0.00	1.88	1.88	0.12	0.04	3.16	04/18/2023	14:51
4	O2365-02		1	5.05	50	2.00	0.00	1.82	1.82	0.18	0.10	7.92	04/18/2023	14:54
5	O2365-03		1	5.03	50	2.00	0.00	1.82	1.82	0.18	0.10	7.95	04/18/2023	14:57
6	O2371-02		1	5.02	50	2.00	0.00	1.82	1.82	0.18	0.10	7.97	04/18/2023	15:00
7	O2371-04		1	5.03	50	2.00	0.00	1.88	1.88	0.12	0.04	3.18	04/18/2023	15:03
8	O2371-06		1	5.04	50	2.00	0.00	1.84	1.84	0.16	0.08	6.35	04/18/2023	15:06
9	O2371-08		1	5.05	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	04/18/2023	15:09
10	O2371-10		1	5.04	50	2.00	0.00	1.82	1.82	0.18	0.10	7.94	04/18/2023	15:12
11	O2371-12		1	5.02	50	2.00	0.00	1.86	1.86	0.14	0.06	4.78	04/18/2023	15:15
12	O2371-14		1	5.03	50	2.00	0.00	1.88	1.88	0.12	0.04	3.18	04/18/2023	15:18

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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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	O2371-16		1	5.07	50	2.00	0.00	1.84	1.84	0.16	0.08	6.31	04/18/2023	15:21
14	O2371-18		1	5.03	50	2.00	0.00	1.82	1.82	0.18	0.10	7.95	04/18/2023	15:24
15	O2384-02		1	5.05	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	04/18/2023	15:27
16	O2386-04		1	5.06	50	2.00	0.00	1.82	1.82	0.18	0.10	7.91	04/18/2023	15:30
17	O2386-08		1	5.05	50	2.00	0.00	1.86	1.86	0.14	0.06	4.75	04/18/2023	15:33
18	O2386-12		1	5.07	50	2.00	0.00	1.86	1.86	0.14	0.06	4.73	04/18/2023	15:36
19	O2386-16		1	5.02	50	2.00	0.00	1.82	1.82	0.18	0.10	7.97	04/18/2023	15:39
20	O2386-20		1	5.03	50	2.00	0.00	1.82	1.82	0.18	0.10	7.95	04/18/2023	15:42

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