

Analysis Method: 9034

ANALYST: Rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB124970

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	PB152028BL		1	5.00	50	2.00	0.00	1.92	1.92	0.08	0.00	0.00	04/14/2023	12:30
2	O2262-04		1	5.05	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	04/14/2023	12:33
3	O2262-04DUP		1	5.05	50	2.00	0.00	1.90	1.90	0.10	0.02	1.58	04/14/2023	12:36
4	O2262-08		1	5.02	50	2.00	0.00	1.82	1.82	0.18	0.10	7.97	04/14/2023	12:39
5	O2262-12		1	5.03	50	2.00	0.00	1.86	1.86	0.14	0.06	4.77	04/14/2023	12:42
6	O2277-01		1	5.04	50	2.00	0.00	1.82	1.82	0.18	0.10	7.94	04/14/2023	12:45
7	O2277-02		1	5.04	50	2.00	0.00	1.82	1.82	0.18	0.10	7.94	04/14/2023	12:48
8	O2288-01		1	5.02	50	2.00	0.00	1.88	1.88	0.12	0.04	3.19	04/14/2023	12:51
9	O2292-02		1	5.05	50	2.00	0.00	1.86	1.86	0.14	0.06	4.75	04/14/2023	12:54
10	O2292-04		1	5.03	50	2.00	0.00	1.86	1.86	0.14	0.06	4.77	04/14/2023	12:57
11	O2292-06		1	5.02	50	2.00	0.00	1.82	1.82	0.18	0.10	7.97	04/14/2023	13:00
12	O2292-08		1	5.03	50	2.00	0.00	1.84	1.84	0.16	0.08	6.36	04/14/2023	13:03

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	O2292-10		1	5.02	50	2.00	0.00	1.86	1.86	0.14	0.06	4.78	04/14/2023	13:06
14	O2305-02		1	5.04	50	2.00	0.00	1.82	1.82	0.18	0.10	7.94	04/14/2023	13:09
15	O2310-01		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.06	4.76	04/14/2023	13:12
16	O2310-02		1	5.06	50	2.00	0.00	1.84	1.84	0.16	0.08	6.32	04/14/2023	13:15

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