

Analysis Method: 9034

ANALYST: Rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB123851

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	PB150494BL		1	5.00	50	2.00	0.00	1.92	1.92	0.08	0.00	0.00	01/30/2023	12:05
2	O1289-02		1	5.06	50	2.00	0.00	1.86	1.86	0.14	0.06	4.74	01/30/2023	12:08
3	O1289-02DUP		1	5.02	50	2.00	0.00	1.82	1.82	0.18	0.10	7.97	01/30/2023	12:11
4	O1318-02		1	5.03	50	2.00	0.00	1.82	1.82	0.18	0.10	7.95	01/30/2023	12:14
5	O1318-05		1	5.05	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	01/30/2023	12:17
6	O1328-02		1	5.03	50	2.00	0.00	1.86	1.86	0.14	0.06	4.77	01/30/2023	12:20
7	O1328-07		1	5.04	50	2.00	0.00	1.90	1.90	0.10	0.02	1.59	01/30/2023	12:23
8	O1328-12		1	5.07	50	2.00	0.00	1.86	1.86	0.14	0.06	4.73	01/30/2023	12:26
9	O1328-17		1	5.03	50	2.00	0.00	1.88	1.88	0.12	0.04	3.18	01/30/2023	12:28
10	O1328-22		1	5.05	50	2.00	0.00	1.82	1.82	0.18	0.10	7.92	01/30/2023	12:30
11	O1329-02		1	5.06	50	2.00	0.00	1.88	1.88	0.12	0.04	3.16	01/30/2023	12:33
12	O1329-07		1	5.09	50	2.00	0.00	1.86	1.86	0.14	0.06	4.72	01/30/2023	12:35

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	O1329-12		1	5.07	50	2.00	0.00	1.86	1.86	0.14	0.06	4.73	01/30/2023	12:38
14	O1329-17		1	5.05	50	2.00	0.00	1.82	1.82	0.18	0.10	7.92	01/30/2023	12:41
15	O1333-02		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	01/30/2023	12:43
16	O1333-05		1	5.07	50	2.00	0.00	1.82	1.82	0.18	0.10	7.89	01/30/2023	12:45
17	O1335-01		1	5.07	50	2.00	0.00	1.84	1.84	0.16	0.08	6.31	01/30/2023	12:48
18	O1352-02		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.06	4.76	01/30/2023	12:50
19	O1356-02		1	5.05	50	2.00	0.00	1.84	1.84	0.16	0.08	6.34	01/30/2023	12:53

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