

Analysis Method: 9034

ANALYST: Rubina

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB124051

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	PB150802BL		1	5.00	50	2.00	0.00	1.92	1.92	0.08	0.00	0.00	02/13/2023	13:00
2	O1432-08		1	5.06	50	2.00	0.00	1.88	1.88	0.12	0.04	3.16	02/13/2023	13:03
3	O1432-08DUP		1	5.02	50	2.00	0.00	1.88	1.88	0.12	0.04	3.19	02/13/2023	13:05
4	O1481-04		1	5.09	50	2.00	0.00	1.86	1.86	0.14	0.06	4.72	02/13/2023	13:08
5	O1481-08		1	5.05	50	2.00	0.00	1.82	1.82	0.18	0.10	7.92	02/13/2023	13:10
6	O1481-12		1	5.04	50	2.00	0.00	1.84	1.84	0.16	0.08	6.35	02/13/2023	13:13
7	O1481-16		1	5.04	50	2.00	0.00	1.88	1.88	0.12	0.04	3.17	02/13/2023	13:15
8	O1485-01		1	5.07	50	2.00	0.00	1.82	1.82	0.18	0.10	7.89	02/13/2023	13:18
9	O1487-01		1	5.05	50	2.00	0.00	1.82	1.82	0.18	0.10	7.92	02/13/2023	13:20
10	O1487-02		1	5.02	50	2.00	0.00	1.88	1.88	0.12	0.04	3.19	02/13/2023	13:23
11	O1491-01		1	5.07	50	2.00	0.00	1.84	1.84	0.16	0.08	6.31	02/13/2023	13:25
12	O1503-01		1	5.04	50	2.00	0.00	1.84	1.84	0.16	0.08	6.35	02/13/2023	13:28

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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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	O1503-02		1	5.07	50	2.00	0.00	1.86	1.86	0.14	0.06	4.73	02/13/2023	13:30
14	O1503-03		1	5.05	50	2.00	0.00	1.82	1.82	0.18	0.10	7.92	02/13/2023	13:33
15	O1504-02		1	5.04	50	2.00	0.00	1.82	1.82	0.18	0.10	7.94	02/13/2023	13:36
16	O1510-04		1	5.07	50	2.00	0.00	1.86	1.86	0.14	0.06	4.73	02/13/2023	13:38
17	O1510-08		1	5.09	50	2.00	0.00	1.88	1.88	0.12	0.04	3.14	02/13/2023	13:40
18	O1510-12		1	5.07	50	2.00	0.00	1.82	1.82	0.18	0.10	7.89	02/13/2023	13:42
19	O1510-16		1	5.06	50	2.00	0.00	1.88	1.88	0.12	0.04	3.16	02/13/2023	13:45
20	O1529-03		1	5.08	50	2.00	0.00	1.82	1.82	0.18	0.10	7.87	02/13/2023	13:47
21	O1529-06		1	5.02	50	2.00	0.00	1.88	1.88	0.12	0.04	3.19	02/13/2023	13:50
22	O1529-09		1	5.05	50	2.00	0.00	1.84	1.84	0.16	0.08	6.34	02/13/2023	13:52

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