

Analysis Method: 9034

ANALYST: Rubina

Parameter: Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB128209

Constant: 16000

Normality1: 0.025

Normality2: 0.025

Reagent/Standard	Lot/Log #
SODIUM THIOSULFATE, 0.025N, 4LITRE	W2976
IODINE SOLUTION .025N 1L	W3050
Starch Solution, 4L	W2977

Seq	Lab ID	True Value (mg/L)	DF	Initial Volume (mL)	Final Volume (mL)	T1 (mL)	T2 Initial	T2 Final	T2 Diff. (mL)	T1 - T2 Diff (mL)	Value Corrected With Blank	Result (ppm)	AnalDate	Anal Time
1	PB156907BL		1	50	50	5.00	0.00	4.92	4.92	0.08	0.00	0.00	10/30/2023	15:45
2	PB156907BS	25	1	50	50	5.00	0.00	2.08	2.08	2.92	2.84	22.72	10/30/2023	15:47
3	O5063-01		1	50	50	5.00	0.00	4.36	4.36	0.64	0.56	4.48	10/30/2023	15:50
4	O5063-01DUP		1	50	50	5.00	0.00	4.34	4.34	0.66	0.58	4.64	10/30/2023	15:52
5	O5063-01MS	25	1	50	50	5.00	0.00	1.82	1.82	3.18	3.10	24.80	11/08/2023	15:55
6	O5063-01MSD	25	1	50	50	5.00	0.00	1.80	1.80	3.20	3.12	24.96	10/30/2023	15:58
7	O5063-03		1	50	50	5.00	0.00	4.28	4.28	0.72	0.64	5.12	10/30/2023	16:00
8	O5063-05		1	50	50	5.00	0.00	4.42	4.42	0.58	0.50	4.00	10/30/2023	16:03
9	O5063-07		1	50	50	5.00	0.00	4.46	4.46	0.54	0.46	3.68	10/30/2023	16:06
10	O5063-09		1	50	50	5.00	0.00	4.24	4.24	0.76	0.68	5.44	10/30/2023	16:09
11	O5063-11		1	50	50	5.00	0.00	4.28	4.28	0.72	0.64	5.12	10/30/2023	16:12

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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12	O5063-13		1	50	50	5.00	0.00	4.34	4.34	0.66	0.58	4.64	10/30/2023	16:15
13	O5063-15		1	50	50	5.00	0.00	4.40	4.40	0.60	0.52	4.16	10/30/2023	16:18
14	O5063-17		1	50	50	5.00	0.00	4.44	4.44	0.56	0.48	3.84	10/30/2023	16:21
15	O5065-01		1	50	50	5.00	0.00	4.42	4.42	0.58	0.50	4.00	10/30/2023	16:24
16	O5065-03		1	50	50	5.00	0.00	4.38	4.38	0.62	0.54	4.32	10/30/2023	16:27
17	O5065-05		1	50	50	5.00	0.00	4.30	4.30	0.70	0.62	4.96	10/30/2023	16:30
18	O5065-07		1	50	50	5.00	0.00	4.40	4.40	0.60	0.52	4.16	10/30/2023	16:33
19	O5065-09		1	50	50	5.00	0.00	4.46	4.46	0.54	0.46	3.68	10/30/2023	16:36
20	O5065-11		1	50	50	5.00	0.00	4.42	4.42	0.58	0.50	4.00	10/30/2023	16:40
21	O5065-13		1	50	50	5.00	0.00	4.46	4.46	0.54	0.46	3.68	10/30/2023	16:43
22	O5065-15		1	50	50	5.00	0.00	4.26	4.26	0.74	0.66	5.28	10/30/2023	16:46

T1 = Titrant1

T2 = Titrant2

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Value Corrected With Blank = ((T1 - T2 Diff) - Blank Correction(BL))

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23	O5097-03		1	50	50	5.00	0.00	4.44	4.44	0.56	0.48	3.84	10/30/2023	16:50
24	O5097-05		1	50	50	5.00	0.00	4.38	4.38	0.62	0.54	4.32	10/30/2023	16:53
25	O5097-07		1	50	50	5.00	0.00	4.46	4.46	0.54	0.46	3.68	10/30/2023	16:56
26	O5097-10		1	50	50	5.00	0.00	4.42	4.42	0.58	0.50	4.00	10/30/2023	17:00

T1 = Titrant1

T2 = Titrant2

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Value Corrected With Blank = ((T1 - T2 Diff) - Blank Correction(BL))

Result = ((T1 * Normality1) - ((T1 - Value Corrected With Blank) * Normality2)) * Constant / Initial Volume