

Analysis Method: 9034

ANALYST: mohammad

Parameter: Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB123929

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 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	PB150590BL		1	50	50	5.00	0.00	4.94	4.94	0.06	0.00	0.00	01/27/2023	13:36
2	PB150590BS	25	1	50	50	5.00	0.00	1.94	1.94	3.06	3.00	24.00	01/27/2023	13:40
3	O1280-02		1	50	50	5.00	0.00	4.22	4.22	0.78	0.72	5.76	01/27/2023	13:43
4	O1280-02DUP		1	50	50	5.00	0.00	4.20	4.20	0.80	0.74	5.92	01/27/2023	13:48
5	O1280-02MS	25	1	50	50	5.00	0.00	1.86	1.86	3.14	3.08	24.64	01/27/2023	13:51
6	O1280-02MSD	25	1	50	50	5.00	0.00	1.84	1.84	3.16	3.10	24.80	01/27/2023	13:54
7	O1280-04		1	50	50	5.00	0.00	4.42	4.42	0.58	0.52	4.16	01/27/2023	13:58
8	O1280-06		1	50	50	5.00	0.00	4.44	4.44	0.56	0.50	4.00	01/27/2023	14:05
9	O1308-01		1	50	50	5.00	0.00	4.40	4.40	0.60	0.54	4.32	01/27/2023	14:09
10	O1308-03		1	50	50	5.00	0.00	4.44	4.44	0.56	0.50	4.00	01/27/2023	14:13
11	O1308-05		1	50	50	5.00	0.00	4.38	4.38	0.62	0.56	4.48	01/27/2023	14:17

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	O1308-07		1	50	50	5.00	0.00	4.36	4.36	0.64	0.58	4.64	01/27/2023	14:21
13	O1308-09		1	50	50	5.00	0.00	4.34	4.34	0.66	0.60	4.80	01/27/2023	14:25
14	O1308-11		1	50	50	5.00	0.00	4.44	4.44	0.56	0.50	4.00	01/27/2023	14:30
15	O1308-13		1	50	50	5.00	0.00	4.36	4.36	0.64	0.58	4.64	01/27/2023	14:35
16	O1308-15		1	50	50	5.00	0.00	4.34	4.34	0.66	0.60	4.80	01/27/2023	14:39
17	O1308-17		1	50	50	5.00	0.00	4.42	4.42	0.58	0.52	4.16	01/27/2023	14:42
18	O1308-19		1	50	50	5.00	0.00	4.44	4.44	0.56	0.50	4.00	01/27/2023	14:45
19	O1308-21		1	50	50	5.00	0.00	4.42	4.42	0.58	0.52	4.16	01/27/2023	14:48
20	O1323-01		1	50	50	5.00	0.00	4.38	4.38	0.62	0.56	4.48	01/27/2023	14:52
21	O1323-03		1	50	50	5.00	0.00	4.36	4.36	0.64	0.58	4.64	01/27/2023	14:55
22	O1323-05		1	50	50	5.00	0.00	4.38	4.38	0.62	0.56	4.48	01/27/2023	14:59

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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23	O1323-07		1	50	50	5.00	0.00	4.36	4.36	0.64	0.58	4.64	01/27/2023	15:03
24	O1323-09		1	50	50	5.00	0.00	4.38	4.38	0.62	0.56	4.48	01/27/2023	15:08
25	O1323-11		1	50	50	5.00	0.00	4.32	4.32	0.68	0.62	4.96	01/27/2023	15:13
26	O1323-13		1	50	50	5.00	0.00	4.92	4.92	0.08	0.02	0.16	01/27/2023	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