

Analysis Method: 9034

ANALYST: mohammad

Parameter: Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB125361

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	PB152579BL		1	50	50	5.00	0.00	4.94	4.94	0.06	0.00	0.00	04/28/2023	13:21
2	PB152579BS	25	1	50	50	5.00	0.00	1.96	1.96	3.04	2.98	23.84	04/28/2023	13:24
3	O2213-07		1	50	50	5.00	0.00	4.84	4.84	0.16	0.10	0.80	04/28/2023	13:27
4	O2213-08		1	50	50	5.00	0.00	4.76	4.76	0.24	0.18	1.44	04/28/2023	13:30
5	O2213-09		1	50	50	5.00	0.00	4.82	4.82	0.18	0.12	0.96	04/28/2023	13:33
6	O2492-01		1	50	50	5.00	0.00	4.22	4.22	0.78	0.72	5.76	04/28/2023	13:37
7	O2492-01DUP		1	50	50	5.00	0.00	4.20	4.20	0.80	0.74	5.92	04/28/2023	13:40
8	O2492-01MS	25	1	50	50	5.00	0.00	1.86	1.86	3.14	3.08	24.64	04/28/2023	13:43
9	O2492-01MSD	25	1	50	50	5.00	0.00	1.86	1.86	3.14	3.08	24.64	04/28/2023	13:47
10	O2492-03		1	50	50	5.00	0.00	4.36	4.36	0.64	0.58	4.64	04/28/2023	13:50
11	O2492-05		1	50	50	5.00	0.00	4.42	4.42	0.58	0.52	4.16	04/28/2023	13:54

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	O2515-01		1	50	50	5.00	0.00	4.42	4.42	0.58	0.52	4.16	04/28/2023	13:58
13	O2515-03		1	50	50	5.00	0.00	4.36	4.36	0.64	0.58	4.64	04/28/2023	14:03
14	O2515-05		1	50	50	5.00	0.00	4.36	4.36	0.64	0.58	4.64	04/28/2023	14:06
15	O2515-07		1	50	50	5.00	0.00	4.34	4.34	0.66	0.60	4.80	04/28/2023	14:09
16	O2515-09		1	50	50	5.00	0.00	4.44	4.44	0.56	0.50	4.00	04/28/2023	14:13
17	O2515-11		1	50	50	5.00	0.00	4.34	4.34	0.66	0.60	4.80	04/28/2023	14:17
18	O2515-13		1	50	50	5.00	0.00	4.32	4.32	0.68	0.62	4.96	04/28/2023	14:21
19	O2515-15		1	50	50	5.00	0.00	4.38	4.38	0.62	0.56	4.48	04/28/2023	14:24
20	O2515-17		1	50	50	5.00	0.00	4.46	4.46	0.54	0.48	3.84	04/28/2023	14:28
21	O2533-01		1	50	50	5.00	0.00	4.40	4.40	0.60	0.54	4.32	04/28/2023	14:31
22	O2533-03		1	50	50	5.00	0.00	4.42	4.42	0.58	0.52	4.16	04/28/2023	14:34

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	02533-05		1	50	50	5.00	0.00	4.34	4.34	0.66	0.60	4.80	04/28/2023	14:38
24	02533-07		1	50	50	5.00	0.00	4.44	4.44	0.56	0.50	4.00	04/28/2023	14:43
25	02533-09		1	50	50	5.00	0.00	4.44	4.44	0.56	0.50	4.00	04/28/2023	14:47
26	02533-11		1	50	50	5.00	0.00	4.42	4.42	0.58	0.52	4.16	04/28/2023	14:51
27	02533-13		1	50	50	5.00	0.00	4.34	4.34	0.66	0.60	4.80	04/28/2023	14:54
28	02533-15		1	50	50	5.00	0.00	4.92	4.92	0.08	0.02	0.16	04/28/2023	14:57
29	02533-20		1	50	50	5.00	0.00	4.32	4.32	0.68	0.62	4.96	04/28/2023	15:01

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