

Analysis Method: 9034

ANALYST: ketankumar

Parameter: Sulfide

SUPERVISOR REVIEW BY: Iwona

Run Number: LB120329

Constant: 16000

Normality1: 0.025

Normality2: 0.025

Reagent/Standard	Lot/Log #
SODIUM THIOSULFATE, 0.025N, 4LITRE	W2843
IODINE SOLUTION .025N 1L	W2864
Starch Solution, 4L	W2766

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	PB145056BL		1	50	50	5.00	0.00	4.80	4.80	0.20	0.00	0.00	05/24/2022	17:40
2	PB145056BS	25	1	50	50	5.00	0.00	2.22	2.22	2.78	2.58	20.64	05/24/2022	17:42
3	N2970-05		1	50	50	5.00	0.00	4.10	4.10	0.90	0.70	5.60	05/24/2022	17:45
4	N2970-05DUP		1	50	50	5.00	4.10	8.22	4.12	0.88	0.68	5.44	05/24/2022	17:48
5	N2970-06	25	1	50	50	5.00	0.00	2.00	2.00	3.00	2.80	22.40	05/24/2022	17:50
6	N2970-07	25	1	50	50	5.00	2.00	4.02	2.02	2.98	2.78	22.24	05/24/2022	17:52
7	N2970-10		1	50	50	5.00	0.00	4.12	4.12	0.88	0.68	5.44	05/24/2022	17:55
8	N2970-11		1	50	50	5.00	4.12	8.92	4.80	0.20	0.00	0.00	05/24/2022	17:58
9	N2970-13		1	50	50	5.00	0.00	4.08	4.08	0.92	0.72	5.76	05/24/2022	18:00
10	N2983-02		1	50	50	5.00	4.08	8.14	4.06	0.94	0.74	5.92	05/24/2022	18:02
11	N2983-03		1	50	50	5.00	0.00	4.24	4.24	0.76	0.56	4.48	05/24/2022	18:05

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	N2983-04		1	50	50	5.00	4.24	7.96	3.72	1.28	1.08	8.64	05/24/2022	18:08
13	N2983-08		1	50	50	5.00	0.00	4.80	4.80	0.20	0.00	0.00	05/24/2022	18:10
14	N3003-05		1	50	50	5.00	4.08	8.38	4.30	0.70	0.50	4.00	05/24/2022	18:12
15	N3003-06		1	50	50	5.00	0.00	4.80	4.80	0.20	0.00	0.00	05/24/2022	18:15

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