

Analysis Method: SM4500 S E

ANALYST: ketankumar

Parameter: Sulfide

SUPERVISOR REVIEW BY: apatel

Run Number: LB109524

Constant: 16000

Normality1: 0.025

Normality2: 0.025

Reagent/Standard	Lot/Log #
Sodium thiosulfate titrant 0.025N	WP84605
IODINE SOLUTION .025N 1L	W2669
Starch Solution, 4L	W2703

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	PB129434BL		1	50	50	5.00	0.00	4.80	4.80	0.20	0.00	0.00	06/09/2020	15:05
2	PB129434BS	25	1	50	50	5.00	0.00	2.28	2.28	2.72	2.52	20.16	06/09/2020	15:08
3	L2927-01		1	50	50	5.00	0.00	4.76	4.76	0.24	0.04	0.32	06/09/2020	15:12
4	L2927-02		1	50	50	5.00	4.76	9.54	4.78	0.22	0.02	0.16	06/09/2020	15:15
5	L2927-03		1	50	50	5.00	0.00	4.58	4.58	0.42	0.22	1.76	06/09/2020	15:18
6	L2927-04		1	50	50	5.00	4.58	9.06	4.48	0.52	0.32	2.56	06/09/2020	15:22
7	L2927-04DUP		1	50	50	5.00	0.00	4.50	4.50	0.50	0.30	2.40	06/09/2020	15:25
8	L2927-05	25	1	50	50	5.00	4.50	7.40	2.90	2.10	1.90	15.20	06/09/2020	15:28
9	L2927-06	25	1	50	50	5.00	0.00	2.88	2.88	2.12	1.92	15.36	06/09/2020	15:32
10	L2927-07		1	50	50	5.00	2.88	7.28	4.40	0.60	0.40	3.20	06/09/2020	15:35
11	L2927-08		1	50	50	5.00	0.00	4.48	4.48	0.52	0.32	2.56	06/09/2020	15:38

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	L2927-09		1	50	50	5.00	4.48	8.94	4.46	0.54	0.34	2.72	06/09/2020	15:42

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