

Analysis Method: SM4500 S E

ANALYST: ketankumar

Parameter: Sulfide

SUPERVISOR REVIEW BY: apatel

Run Number: LB111902

Constant: 16000

Normality1: 0.025

Normality2: 0.025

Reagent/Standard	Lot/Log #
Sodium thiosulfate titrant 0.025N	WP87313
IODINE SOLUTION .025N 1L	W2763
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	PB132928BL		1	50	50	5.00	0.00	4.90	4.90	0.10	0.00	0.00	11/10/2020	14:45
2	PB132928BS	25	1	50	50	5.00	0.00	2.28	2.28	2.72	2.62	20.96	11/10/2020	14:48
3	L4692-01		1	50	50	5.00	0.00	4.86	4.86	0.14	0.04	0.32	11/10/2020	14:52
4	L4692-02		1	50	50	5.00	0.00	4.56	4.56	0.44	0.34	2.72	11/10/2020	14:55
5	L4692-03		1	50	50	5.00	0.00	4.62	4.62	0.38	0.28	2.24	11/10/2020	14:58
6	L4692-03DUP		1	50	50	5.00	4.62	9.26	4.64	0.36	0.26	2.08	11/10/2020	15:02
7	L4692-04	25	1	50	50	5.00	0.00	2.80	2.80	2.20	2.10	16.80	11/10/2020	15:05
8	L4692-05	25	1	50	50	5.00	2.80	5.62	2.82	2.18	2.08	16.64	11/10/2020	15:08
9	L4692-06		1	50	50	5.00	0.00	4.50	4.50	0.50	0.40	3.20	11/10/2020	15:12
10	L4692-07		1	50	50	5.00	4.50	9.06	4.56	0.44	0.34	2.72	11/10/2020	15:15
11	L4692-08		1	50	50	5.00	0.00	4.70	4.70	0.30	0.20	1.60	11/10/2020	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

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12	L4692-09		1	50	50	5.00	4.70	9.20	4.50	0.50	0.40	3.20	11/10/2020	15:22

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