

Analysis Method: 9034
 Parameter: Sulfide
 Run Number: LB106003

ANALYST: ketankumar
 SUPERVISOR REVIEW BY: apatel
 Constant: 16000
 Normality1: 0.025
 Normality2: 0.025

Reagent/Standard	Lot/Log #
Sodium thiosulfate titrant 0.025N	WP78865
IODINE SOLUTION .025N 1L	W2508
Starch Solution, 4L	W2379

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	PB124396BL		1	50	50	5.00	0.00	4.72	4.72	0.28	0.00	0.00	10/29/2019	16:30
2	PB124396BS	25	1	50	50	5.00	0.00	2.18	2.18	2.82	2.54	20.32	10/29/2019	16:32
3	K5588-01		1	50	50	5.00	0.00	4.42	4.42	0.58	0.30	2.40	10/29/2019	16:35
4	K5588-02		1	50	50	5.00	0.00	3.98	3.98	1.02	0.74	5.92	10/29/2019	16:38
5	K5588-03		1	50	50	5.00	0.00	4.46	4.46	0.54	0.26	2.08	10/29/2019	16:40
6	K5588-04		1	50	50	5.00	0.00	4.30	4.30	0.70	0.42	3.36	10/29/2019	16:42
7	K5588-05		1	50	50	5.00	4.30	8.60	4.30	0.70	0.42	3.36	10/29/2019	16:45
8	K5588-06		1	50	50	5.00	0.00	3.92	3.92	1.08	0.80	6.40	10/29/2019	16:48
9	K5588-07		1	50	50	5.00	3.92	8.20	4.28	0.72	0.44	3.52	10/29/2019	16:50
10	K5588-08		1	50	50	5.00	0.00	3.80	3.80	1.20	0.92	7.36	10/29/2019	16:52
11	K5588-09		1	50	50	5.00	3.80	8.06	4.26	0.74	0.46	3.68	10/29/2019	16:55

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	K5588-10		1	50	50	5.00	0.00	4.26	4.26	0.74	0.46	3.68	10/29/2019	16:58
13	K5588-11		1	50	50	5.00	4.26	8.20	3.94	1.06	0.78	6.24	10/29/2019	17:02
14	K5588-12		1	50	50	5.00	0.00	4.14	4.14	0.86	0.58	4.64	10/29/2019	17:05
15	K5588-13		1	50	50	5.00	4.14	8.20	4.06	0.94	0.66	5.28	10/29/2019	17:08
16	K5588-14		1	50	50	5.00	0.00	3.84	3.84	1.16	0.88	7.04	10/29/2019	17:10
17	K5588-15		1	50	50	5.00	3.84	7.64	3.80	1.20	0.92	7.36	10/29/2019	17:12
18	K5588-16		1	50	50	5.00	0.00	3.48	3.48	1.52	1.24	9.92	10/29/2019	17:15
19	K5588-16DUP		1	50	50	5.00	3.48	6.98	3.50	1.50	1.22	9.76	10/29/2019	17:18
20	K5588-17	25	1	50	50	5.00	0.00	2.42	2.42	2.58	2.30	18.40	10/29/2019	17:20
21	K5588-18	25	1	50	50	5.00	2.42	4.86	2.44	2.56	2.28	18.24	10/29/2019	17:22
22	K5588-19		1	50	50	5.00	0.00	3.74	3.74	1.26	0.98	7.84	10/29/2019	17:25

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