

Analysis Method: 9034

ANALYST: ketankumar

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: apatel

Run Number: LB101085

Constant: 16000

Normality1: 0.025

Normality2: 0.025

Reagent/Standard	Lot/Log #
Sodium thiosulfate titrant 0.025N	WP71781
IODINE SOLUTION .025N 1L	W2410
Starch Solution, 4L	W2379

Seq	Lab ID	True Value (mg/l)	DF	Initial Weight (g)	Final Volume (ml)	T1 (ml)	T2 Initial	T2 Final	T2 Diff. (ml)	T1 - T2 Diff (mL)	Value Corrected With Blank	Result (ppm)	Anal Date	Anal Time
1	PB117487BL		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.00	0.00	02/28/2019	16:45
2	K1340-02		1	5.02	50	2.00	0.00	1.62	1.62	0.38	0.24	19.12	02/28/2019	16:48
3	K1340-02DUP		1	5.04	50	2.00	1.62	3.26	1.64	0.36	0.22	17.46	02/28/2019	16:52
4	K1341-08		1	5.05	50	2.00	3.26	4.70	1.44	0.56	0.42	33.27	02/28/2019	16:55
5	K1341-10		1	5.02	50	2.00	4.70	6.20	1.50	0.50	0.36	28.69	02/28/2019	16:58
6	K1349-14		1	5.03	50	2.00	6.20	7.74	1.54	0.46	0.32	25.45	02/28/2019	17:02
7	K1349-16		1	5.06	50	2.00	0.00	1.66	1.66	0.34	0.20	15.81	02/28/2019	17:05
8	K1358-06		1	5.04	50	2.00	1.66	3.36	1.70	0.30	0.16	12.70	02/28/2019	17:08
9	K1643-02		1	5.02	50	2.00	3.36	4.92	1.56	0.44	0.30	23.90	02/28/2019	17:10
10	K1643-04		1	5.03	50	2.00	4.92	6.52	1.60	0.40	0.26	20.68	02/28/2019	17:12
11	K1645-04		1	5.00	50	2.00	0.00	1.80	1.80	0.20	0.06	4.80	02/28/2019	17:15
12	K1645-08		1	5.03	50	2.00	1.80	3.50	1.70	0.30	0.16	12.72	02/28/2019	17:18

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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Seq	Lab ID	True Value (mg/l)	DF	Initial Weight (g)	Final Volume (ml)	T1 (ml)	T2 Initial	T2 Final	T2 Diff. (ml)	T1 - T2 Diff (mL)	Value Corrected With Blank	Result (ppm)	Anal Date	Anal Time
13	K1645-12		1	5.04	50	2.00	3.50	5.14	1.64	0.36	0.22	17.46	02/28/2019	17:20
14	K1647-01		1	5.03	50	2.00	5.14	6.94	1.80	0.20	0.06	4.77	02/28/2019	17:22
15	K1647-02		1	5.02	50	2.00	6.94	8.74	1.80	0.20	0.06	4.78	02/28/2019	17:25
16	K1647-05		1	5.04	50	2.00	0.00	1.70	1.70	0.30	0.16	12.70	02/28/2019	17:28
17	K1647-06		1	5.01	50	2.00	1.70	3.46	1.76	0.24	0.10	7.98	02/28/2019	17:30
18	K1651-03		1	5.05	50	2.00	3.46	5.24	1.78	0.22	0.08	6.34	02/28/2019	17:32
19	K1652-11		1	5.02	50	2.00	5.24	7.00	1.76	0.24	0.10	7.97	02/28/2019	17:35
20	K1652-13		1	5.03	50	2.00	7.00	8.74	1.74	0.26	0.12	9.54	02/28/2019	17:38
21	K1654-03		1	5.02	50	2.00	0.00	1.80	1.80	0.20	0.06	4.78	02/28/2019	17:40

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