

Analysis Method: 9034

ANALYST: ketankumar

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: apatel

Run Number: LB101124

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	PB117536BL		1	5.05	50	2.00	0.00	1.90	1.90	0.10	0.00	0.00	03/01/2019	13:32
2	K1665-02		1	5.02	50	2.00	1.90	3.78	1.88	0.12	0.02	1.59	03/01/2019	13:35
3	K1665-02DUP		1	5.03	50	2.00	3.78	5.64	1.86	0.14	0.04	3.18	03/01/2019	13:38
4	K1665-04		1	5.00	50	2.00	0.00	1.86	1.86	0.14	0.04	3.20	03/01/2019	13:40
5	K1665-06		1	5.02	50	2.00	1.86	3.66	1.80	0.20	0.10	7.97	03/01/2019	13:42
6	K1665-08		1	5.03	50	2.00	3.66	5.48	1.82	0.18	0.08	6.36	03/01/2019	13:45
7	K1675-04		1	5.06	50	2.00	5.48	7.32	1.84	0.16	0.06	4.74	03/01/2019	13:48
8	K1675-08		1	5.04	50	2.00	0.00	1.78	1.78	0.22	0.12	9.52	03/01/2019	13:50
9	K1675-10		1	5.01	50	2.00	1.78	3.60	1.82	0.18	0.08	6.39	03/01/2019	13:52
10	K1675-12		1	5.03	50	2.00	3.60	5.34	1.74	0.26	0.16	12.72	03/01/2019	13:55
11	K1675-14		1	5.02	50	2.00	5.34	7.18	1.84	0.16	0.06	4.78	03/01/2019	13:58
12	K1675-16		1	5.05	50	2.00	0.00	1.80	1.80	0.20	0.10	7.92	03/01/2019	14:02

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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13	K1675-18		1	5.04	50	2.00	1.80	3.56	1.76	0.24	0.14	11.11	03/01/2019	14:05
14	K1675-26		1	5.06	50	2.00	3.56	5.38	1.82	0.18	0.08	6.32	03/01/2019	14:08
15	K1675-28		1	5.03	50	2.00	5.38	7.16	1.78	0.22	0.12	9.54	03/01/2019	14:10
16	K1675-32		1	5.04	50	2.00	0.00	1.86	1.86	0.14	0.04	3.17	03/01/2019	14:12
17	K1675-36		1	5.01	50	2.00	1.86	3.60	1.74	0.26	0.16	12.77	03/01/2019	14:15
18	K1675-40		1	5.05	50	2.00	3.60	5.42	1.82	0.18	0.08	6.34	03/01/2019	14:18
19	K1675-44		1	5.01	50	2.00	5.42	7.16	1.74	0.26	0.16	12.77	03/01/2019	14:20

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