

Analysis Method: 9034

ANALYST: ketankumar

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: apatel

Run Number: LB101410

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	PB117970BL		1	5.03	50	2.00	0.00	1.98	1.98	0.02	0.00	0.00	03/15/2019	13:45
2	K1685-02		1	5.02	50	2.00	1.98	3.88	1.90	0.10	0.08	6.37	03/15/2019	13:48
3	K1685-02DUP		1	5.04	50	2.00	3.88	5.76	1.88	0.12	0.10	7.94	03/15/2019	13:52
4	K1685-04		1	5.05	50	2.00	0.00	1.86	1.86	0.14	0.12	9.50	03/15/2019	13:55
5	K1685-06		1	5.02	50	2.00	1.86	3.46	1.60	0.40	0.38	30.28	03/15/2019	13:58
6	K1685-08		1	5.03	50	2.00	3.46	5.20	1.74	0.26	0.24	19.09	03/15/2019	14:02
7	K1698-02		1	5.03	50	2.00	5.20	7.16	1.96	0.04	0.02	1.59	03/15/2019	14:05
8	K1901-13		1	5.04	50	2.00	0.00	1.84	1.84	0.16	0.14	11.11	03/15/2019	14:08
9	K1905-02		1	5.02	50	2.00	1.84	3.60	1.76	0.24	0.22	17.53	03/15/2019	14:12
10	K1905-04		1	5.04	50	2.00	3.60	5.42	1.82	0.18	0.16	12.70	03/15/2019	14:15
11	K1905-06		1	5.00	50	2.00	5.42	7.20	1.78	0.22	0.20	16.00	03/15/2019	14:18
12	K1905-08		1	5.03	50	2.00	0.00	1.74	1.74	0.26	0.24	19.09	03/15/2019	14:22

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

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13	K1906-02		1	5.04	50	2.00	1.74	3.42	1.68	0.32	0.30	23.81	03/15/2019	14:25
14	K1911-03		1	5.03	50	2.00	3.42	5.18	1.76	0.24	0.22	17.50	03/15/2019	14:28
15	K1911-06		1	5.05	50	2.00	5.18	6.90	1.72	0.28	0.26	20.59	03/15/2019	14:32
16	K1921-04		1	5.04	50	2.00	6.90	8.64	1.74	0.26	0.24	19.05	03/15/2019	14:35
17	K1922-03		1	5.07	50	2.00	0.00	1.84	1.84	0.16	0.14	11.05	03/15/2019	14:38
18	K1926-02		1	5.09	50	2.00	1.84	3.60	1.76	0.24	0.22	17.29	03/15/2019	14:42
19	K1927-03		1	5.04	50	2.00	3.60	5.42	1.82	0.18	0.16	12.70	03/15/2019	14:45

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