

Analysis Method: 9034

ANALYST: ketankumar

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: apatel

Run Number: LB101322

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	PB117854BL		1	5.05	50	2.00	0.00	1.86	1.86	0.14	0.00	0.00	03/12/2019	17:20
2	K1687-02		1	5.02	50	2.00	0.00	1.82	1.82	0.18	0.04	3.19	03/12/2019	17:22
3	K1687-02DUP		1	5.04	50	2.00	1.82	3.62	1.80	0.20	0.06	4.76	03/12/2019	17:25
4	K1687-04		1	5.05	50	2.00	3.62	5.38	1.76	0.24	0.10	7.92	03/12/2019	17:28
5	K1687-06		1	5.00	50	2.00	5.38	7.10	1.72	0.28	0.14	11.20	03/12/2019	17:30
6	K1697-02		1	5.02	50	2.00	7.10	8.86	1.76	0.24	0.10	7.97	03/12/2019	17:32
7	K1697-04		1	5.03	50	2.00	0.00	1.82	1.82	0.18	0.04	3.18	03/12/2019	17:35
8	K1697-06		1	5.04	50	2.00	1.82	3.58	1.76	0.24	0.10	7.94	03/12/2019	17:38
9	K1697-08		1	5.02	50	2.00	3.58	5.36	1.78	0.22	0.08	6.37	03/12/2019	17:40
10	K1844-10		1	5.03	50	2.00	5.36	7.10	1.74	0.26	0.12	9.54	03/12/2019	17:42
11	K1845-01		1	5.00	50	2.00	0.00	1.76	1.76	0.24	0.10	8.00	03/12/2019	17:45
12	K1846-04		1	5.03	50	2.00	1.76	3.56	1.80	0.20	0.06	4.77	03/12/2019	17:48

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	K1846-08		1	5.04	50	2.00	3.56	5.34	1.78	0.22	0.08	6.35	03/12/2019	17:50
14	K1846-12		1	5.03	50	2.00	5.34	7.16	1.82	0.18	0.04	3.18	03/12/2019	17:52
15	K1849-01		1	5.02	50	2.00	0.00	1.84	1.84	0.16	0.02	1.59	03/12/2019	17:55
16	K1849-03		1	5.04	50	2.00	1.84	3.60	1.76	0.24	0.10	7.94	03/12/2019	17:58
17	K1849-05		1	5.00	50	2.00	3.60	5.38	1.78	0.22	0.08	6.40	03/12/2019	18:02
18	K1849-07		1	5.06	50	2.00	5.38	7.12	1.74	0.26	0.12	9.49	03/12/2019	18:05
19	K1849-09		1	5.02	50	2.00	0.00	1.82	1.82	0.18	0.04	3.19	03/12/2019	18:08
20	K1849-11		1	5.00	50	2.00	1.82	3.60	1.78	0.22	0.08	6.40	03/12/2019	18:10
21	K1849-13		1	5.02	50	2.00	3.60	5.42	1.82	0.18	0.04	3.19	03/12/2019	18:12

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