

Analysis Method: 9034

ANALYST: ketankumar

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: apatel

Run Number: LB101433

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	PB118027BL		1	5.06	50	2.00	0.00	1.90	1.90	0.10	0.00	0.00	03/18/2019	13:35
2	K1687-08		1	5.02	50	2.00	1.90	3.62	1.72	0.28	0.18	14.34	03/18/2019	13:38
3	K1687-08DUP		1	5.04	50	2.00	3.62	5.36	1.74	0.26	0.16	12.70	03/18/2019	13:42
4	K1687-10		1	5.05	50	2.00	0.00	1.76	1.76	0.24	0.14	11.09	03/18/2019	13:45
5	K1687-12		1	5.00	50	2.00	1.76	3.50	1.74	0.26	0.16	12.80	03/18/2019	13:48
6	K1691-10		1	5.02	50	2.00	3.50	5.16	1.66	0.34	0.24	19.12	03/18/2019	13:52
7	K1691-12		1	5.03	50	2.00	5.16	7.04	1.88	0.12	0.02	1.59	03/18/2019	13:55
8	K1691-14		1	5.04	50	2.00	0.00	1.76	1.76	0.24	0.14	11.11	03/18/2019	13:58
9	K1691-16		1	5.02	50	2.00	1.76	3.58	1.82	0.18	0.08	6.37	03/18/2019	14:02
10	K1691-18		1	5.03	50	2.00	3.58	5.36	1.78	0.22	0.12	9.54	03/18/2019	14:05
11	K1697-10		1	5.00	50	2.00	5.36	7.20	1.84	0.16	0.06	4.80	03/18/2019	14:08
12	K1697-12		1	5.05	50	2.00	0.00	1.72	1.72	0.28	0.18	14.26	03/18/2019	14:12

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

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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	K1908-02		1	5.04	50	2.00	1.72	3.40	1.68	0.32	0.22	17.46	03/18/2019	14:15
14	K1908-04		1	5.03	50	2.00	3.40	5.18	1.78	0.22	0.12	9.54	03/18/2019	14:18
15	K1908-06		1	5.02	50	2.00	5.18	6.94	1.76	0.24	0.14	11.16	03/18/2019	14:22
16	K1935-05		1	5.00	50	2.00	6.94	8.78	1.84	0.16	0.06	4.80	03/18/2019	14:25
17	K1940-01		1	5.05	50	2.00	0.00	1.74	1.74	0.26	0.16	12.67	03/18/2019	14:28
18	K1958-02		1	5.06	50	2.00	1.74	3.58	1.84	0.16	0.06	4.74	03/18/2019	14:32
19	K1958-04		1	5.04	50	2.00	3.58	5.36	1.78	0.22	0.12	9.52	03/18/2019	14:35
20	K1958-06		1	5.02	50	2.00	5.36	7.18	1.82	0.18	0.08	6.37	03/18/2019	14:38

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