

Analysis Method: 9034

ANALYST: ketankumar

Parameter: Reactive Sulfide

SUPERVISOR REVIEW BY: apatel

Run Number: LB101886

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	PB118623BL		1	5.02	50	2.00	0.00	1.82	1.82	0.18	0.00	0.00	04/04/2019	14:05
2	K2193-02		1	5.02	50	2.00	1.82	3.50	1.68	0.32	0.14	11.16	04/04/2019	14:08
3	K2193-02DUP		1	5.04	50	2.00	3.50	5.16	1.66	0.34	0.16	12.70	04/04/2019	14:12
4	K2193-04		1	5.05	50	2.00	5.16	6.96	1.80	0.20	0.02	1.58	04/04/2019	14:15
5	K2193-06		1	5.00	50	2.00	6.96	8.76	1.80	0.20	0.02	1.60	04/04/2019	14:18
6	K2195-02		1	5.02	50	2.00	0.00	1.64	1.64	0.36	0.18	14.34	04/04/2019	14:22
7	K2240-11		1	5.03	50	2.00	1.64	3.38	1.74	0.26	0.08	6.36	04/04/2019	14:25
8	K2240-12		1	5.04	50	2.00	3.38	5.10	1.72	0.28	0.10	7.94	04/04/2019	14:28
9	K2240-13		1	5.02	50	2.00	5.10	6.76	1.66	0.34	0.16	12.75	04/04/2019	14:32
10	K2240-14		1	5.03	50	2.00	6.76	8.40	1.64	0.36	0.18	14.31	04/04/2019	14:35
11	K2240-15		1	5.00	50	2.00	0.00	1.62	1.62	0.38	0.20	16.00	04/04/2019	14:38
12	K2240-16		1	5.03	50	2.00	1.62	3.20	1.58	0.42	0.24	19.09	04/04/2019	14:42

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	K2240-17		1	5.04	50	2.00	3.20	4.62	1.42	0.58	0.40	31.75	04/04/2019	14:45
14	K2240-18		1	5.03	50	2.00	4.62	6.26	1.64	0.36	0.18	14.31	04/04/2019	14:48
15	K2240-19		1	5.01	50	2.00	6.26	7.76	1.50	0.50	0.32	25.55	04/04/2019	14:52
16	K2245-04		1	5.00	50	2.00	0.00	1.76	1.76	0.24	0.06	4.80	04/04/2019	14:55
17	K2245-08		1	5.04	50	2.00	1.76	3.26	1.50	0.50	0.32	25.40	04/04/2019	14:58
18	K2245-12		1	5.02	50	2.00	3.26	4.60	1.34	0.66	0.48	38.25	04/04/2019	15:02
19	K2245-16		1	5.01	50	2.00	4.60	6.10	1.50	0.50	0.32	25.55	04/04/2019	15:05
20	K2258-03		1	5.04	50	2.00	6.10	7.62	1.52	0.48	0.30	23.81	04/04/2019	15:08

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