

Analysis Method: 9034
 Parameter: Reactive Sulfide
 Run Number: LB108801

ANALYST: Alexander
 SUPERVISOR REVIEW BY: apatel
 Constant: 16000
 Normality1: 0.025
 Normality2: 0.025

Reagent/Standard	Lot/Log #
Sodium thiosulfate titrant 0.025N	WP83473
IODINE SOLUTION .025N 1L	W2669
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	PB128373BL		1	5.00	50	2.00	0.00	1.88	1.88	0.12	0.00	0.00	04/20/2020	14:10
2	L2310-01		1	5.03	50	2.00	1.88	3.74	1.86	0.14	0.02	1.59	04/20/2020	14:12
3	L2310-01DUP		1	5.01	50	2.00	3.74	5.62	1.88	0.12	0.00	0.00	04/20/2020	14:14
4	L2311-01		1	5.04	50	2.00	5.62	7.38	1.76	0.24	0.12	9.52	04/20/2020	14:15
5	L2331-04		1	5.04	50	2.00	0.00	1.80	1.80	0.20	0.08	6.35	04/20/2020	14:18
6	L2332-03		1	5.00	50	2.00	1.80	3.62	1.82	0.18	0.06	4.80	04/20/2020	14:20
7	L2332-06		1	5.02	50	2.00	3.62	5.40	1.78	0.22	0.10	7.97	04/20/2020	14:21
8	L2339-03		1	5.08	50	2.00	5.40	7.26	1.86	0.14	0.02	1.57	04/20/2020	14:22
9	L2341-01		1	5.06	50	2.00	0.00	1.72	1.72	0.28	0.16	12.65	04/20/2020	14:25
10	L2341-02		1	5.01	50	2.00	1.72	3.44	1.72	0.28	0.16	12.77	04/20/2020	14:26
11	L2341-03		1	5.02	50	2.00	3.44	5.14	1.70	0.30	0.18	14.34	04/20/2020	14:28
12	L2341-04		1	5.04	50	2.00	5.14	6.94	1.80	0.20	0.08	6.35	04/20/2020	14:30

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	L2342-06		1	5.01	50	2.00	0.00	1.84	1.84	0.16	0.04	3.19	04/20/2020	14:33
14	L2342-13		1	5.04	50	2.00	1.84	3.50	1.66	0.34	0.22	17.46	04/20/2020	14:34
15	L2342-20		1	5.04	50	2.00	3.50	5.36	1.86	0.14	0.02	1.59	04/20/2020	14:36
16	L2344-03		1	5.02	50	2.00	5.36	7.04	1.68	0.32	0.20	15.94	04/20/2020	14:38
17	L2350-03		1	5.09	50	2.00	0.00	1.80	1.80	0.20	0.08	6.29	04/20/2020	14:42
18	L2350-06		1	5.06	50	2.00	1.80	3.60	1.80	0.20	0.08	6.32	04/20/2020	14:44

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