

Analysis Method: 9034  
 Parameter: Sulfide  
 Run Number: LB108170

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

| Reagent/Standard                  | Lot/Log # |
|-----------------------------------|-----------|
| Sodium thiosulfate titrant 0.025N | WP81413   |
| 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) | AnalDate   | Anal Time |
|-----|-------------|-------------------|----|--------------------|-------------------|---------|------------|----------|---------------|-------------------|----------------------------|--------------|------------|-----------|
| 1   | PB127345BL  |                   | 1  | 5.01               | 50                | 5.00    | 0.00       | 4.90     | 4.90          | 0.10              | 0.00                       | 0.00         | 03/06/2020 | 15:35     |
| 2   | PB127345BS  | 250               | 1  | 5.02               | 50                | 5.00    | 4.90       | 7.28     | 2.38          | 2.62              | 2.52                       | 200.80       | 03/06/2020 | 15:38     |
| 3   | L1778-01    |                   | 1  | 5.02               | 50                | 5.00    | 0.00       | 4.86     | 4.86          | 0.14              | 0.04                       | 3.19         | 03/06/2020 | 15:42     |
| 4   | L1778-01DUP |                   | 1  | 5.04               | 50                | 5.00    | 4.86       | 9.74     | 4.88          | 0.12              | 0.02                       | 1.59         | 03/06/2020 | 15:45     |
| 5   | L1778-01MS  | 250               | 1  | 5.05               | 50                | 5.00    | 0.00       | 3.02     | 3.02          | 1.98              | 1.88                       | 148.91       | 03/06/2020 | 15:48     |
| 6   | L1778-01MSD | 250               | 1  | 5.05               | 50                | 5.00    | 3.02       | 6.06     | 3.04          | 1.96              | 1.86                       | 147.33       | 03/06/2020 | 15:52     |
| 7   | L1778-03    |                   | 1  | 5.02               | 50                | 5.00    | 0.00       | 4.88     | 4.88          | 0.12              | 0.02                       | 1.59         | 03/06/2020 | 15:55     |
| 8   | L1778-05    |                   | 1  | 5.03               | 50                | 5.00    | 4.88       | 9.72     | 4.84          | 0.16              | 0.06                       | 4.77         | 03/06/2020 | 15:58     |
| 9   | L1778-07    |                   | 1  | 5.04               | 50                | 5.00    | 0.00       | 4.82     | 4.82          | 0.18              | 0.08                       | 6.35         | 03/06/2020 | 16:02     |
| 10  | L1778-09    |                   | 1  | 5.02               | 50                | 5.00    | 0.00       | 4.78     | 4.78          | 0.22              | 0.12                       | 9.56         | 03/06/2020 | 16:05     |
| 11  | L1778-11    |                   | 1  | 5.03               | 50                | 5.00    | 4.78       | 9.58     | 4.80          | 0.20              | 0.10                       | 7.95         | 03/06/2020 | 16:08     |

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

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|-----|----------|-------------------|----|--------------------|-------------------|---------|------------|----------|---------------|-------------------|----------------------------|--------------|------------|-----------|
| 12  | L1778-13 |                   | 1  | 5.00               | 50                | 5.00    | 0.00       | 4.82     | 4.82          | 0.18              | 0.08                       | 6.40         | 03/06/2020 | 16:12     |
| 13  | L1778-15 |                   | 1  | 5.03               | 50                | 5.00    | 4.82       | 9.68     | 4.86          | 0.14              | 0.04                       | 3.18         | 03/06/2020 | 16:15     |
| 14  | L1778-17 |                   | 1  | 5.04               | 50                | 5.00    | 0.00       | 4.84     | 4.84          | 0.16              | 0.06                       | 4.76         | 03/06/2020 | 16:18     |
| 15  | L1778-19 |                   | 1  | 5.05               | 50                | 5.00    | 4.84       | 9.62     | 4.78          | 0.22              | 0.12                       | 9.50         | 03/06/2020 | 16:22     |
| 16  | L1778-21 |                   | 1  | 5.01               | 50                | 5.00    | 0.00       | 4.86     | 4.86          | 0.14              | 0.04                       | 3.19         | 03/06/2020 | 16:25     |
| 17  | L1778-23 |                   | 1  | 5.02               | 50                | 5.00    | 4.86       | 9.68     | 4.82          | 0.18              | 0.08                       | 6.37         | 03/06/2020 | 16:28     |
| 18  | L1778-25 |                   | 1  | 5.05               | 50                | 5.00    | 0.00       | 4.84     | 4.84          | 0.16              | 0.06                       | 4.75         | 03/06/2020 | 16:32     |

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