

Analysis Method: 9034  
 Parameter: Sulfide  
 Run Number: LB114195

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

| Reagent/Standard                  | Lot/Log # |
|-----------------------------------|-----------|
| Sodium thiosulfate titrant 0.025N | WP90315   |
| IODINE SOLUTION .025N 1L          | W2763     |
| Starch Solution, 4L               | W2703     |

| Seq | Lab ID      | True Value (mg/L) | DF | Initial Volume (mL) | 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   | PB136044BL  |                   | 1  | 50                  | 50                | 5.00    | 0.00       | 4.90     | 4.90          | 0.10              | 0.00                       | 0.00         | 04/28/2021 | 13:15     |
| 2   | PB136044BS  | 25                | 1  | 50                  | 50                | 5.00    | 0.00       | 2.30     | 2.30          | 2.70              | 2.60                       | 20.80        | 04/28/2021 | 13:17     |
| 3   | M2185-12    |                   | 1  | 50                  | 50                | 5.00    | 0.00       | 4.84     | 4.84          | 0.16              | 0.06                       | 0.48         | 04/28/2021 | 13:22     |
| 4   | M2185-12DUP |                   | 1  | 50                  | 50                | 5.00    | 4.84       | 9.68     | 4.84          | 0.16              | 0.06                       | 0.48         | 04/28/2021 | 13:25     |
| 5   | M2185-12MS  | 25                | 1  | 50                  | 50                | 5.00    | 0.00       | 3.02     | 3.02          | 1.98              | 1.88                       | 15.04        | 04/28/2021 | 13:28     |
| 6   | M2185-12MSD | 25                | 1  | 50                  | 50                | 5.00    | 3.02       | 6.06     | 3.04          | 1.96              | 1.86                       | 14.88        | 04/28/2021 | 13:32     |
| 7   | M2185-13    |                   | 1  | 50                  | 50                | 5.00    | 0.00       | 4.88     | 4.88          | 0.12              | 0.02                       | 0.16         | 04/28/2021 | 13:35     |
| 8   | M2185-14    |                   | 1  | 50                  | 50                | 5.00    | 0.00       | 4.64     | 4.64          | 0.36              | 0.26                       | 2.08         | 04/28/2021 | 13:38     |
| 9   | M2185-15    |                   | 1  | 50                  | 50                | 5.00    | 4.64       | 9.42     | 4.78          | 0.22              | 0.12                       | 0.96         | 04/28/2021 | 13:42     |
| 10  | M2185-16    |                   | 1  | 50                  | 50                | 5.00    | 0.00       | 4.66     | 4.66          | 0.34              | 0.24                       | 1.92         | 04/28/2021 | 13:45     |
| 11  | M2185-17    |                   | 1  | 50                  | 50                | 5.00    | 4.66       | 9.34     | 4.68          | 0.32              | 0.22                       | 1.76         | 04/28/2021 | 13:48     |

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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 Constant: 16000  
 Normality1: 0.025  
 Normality2: 0.025

| Reagent/Standard                  | Lot/Log # |
|-----------------------------------|-----------|
| Sodium thiosulfate titrant 0.025N | WP90315   |
| IODINE SOLUTION .025N 1L          | W2763     |
| Starch Solution, 4L               | W2703     |

| Seq | Lab ID   | True Value (mg/L) | DF | Initial Volume (mL) | 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 |
|-----|----------|-------------------|----|---------------------|-------------------|---------|------------|----------|---------------|-------------------|----------------------------|--------------|------------|-----------|
| 12  | M2185-18 |                   | 1  | 50                  | 50                | 5.00    | 0.00       | 4.50     | 4.50          | 0.50              | 0.40                       | 3.20         | 04/28/2021 | 13:52     |
| 13  | M2185-19 |                   | 1  | 50                  | 50                | 5.00    | 4.50       | 9.10     | 4.60          | 0.40              | 0.30                       | 2.40         | 04/28/2021 | 13:55     |
| 14  | M2189-01 |                   | 1  | 50                  | 50                | 5.00    | 0.00       | 2.08     | 2.08          | 2.92              | 2.82                       | 22.56        | 04/28/2021 | 13:58     |
| 15  | M2189-02 |                   | 1  | 50                  | 50                | 5.00    | 2.08       | 6.82     | 4.74          | 0.26              | 0.16                       | 1.28         | 04/28/2021 | 14:02     |
| 16  | M2189-03 |                   | 1  | 50                  | 50                | 5.00    | 0.00       | 4.06     | 4.06          | 0.94              | 0.84                       | 6.72         | 04/28/2021 | 14:05     |

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