

## Analytical Summary Report

Analysis Method: Walkley Black

Reviewed By: apatel

Parameter: TOC

Supervisor Review By: ketankumar

Run Number: LB115737

Constant: 0.399

Balance ID: WC SC-4

| Reagent/Standard                      | Lot/Log # |
|---------------------------------------|-----------|
| 1N Dicromate Solution for WB          | WP90726   |
| 0.5N Ferrous Sulfate Solution for WB  | WP90725   |
| Potassium Hydrogen Phthalate, 500 gms | W2784     |
| Ferroin Indicator-0.025M, 120ML       | W2614     |

| Seq | K2Cr2O7<br>(ml) | K2Cr2O7<br>(N) | FeSO4<br>(mL) | FeSO4<br>(N) | Constant | FeSO4 AVG<br>(N) |
|-----|-----------------|----------------|---------------|--------------|----------|------------------|
| 1   | 10.00           | 1.00           | 21.20         | 0.47         | 0.399    | 0.48             |
| 2   | 10.00           | 1.00           | 21.00         | 0.48         | 0.399    |                  |

$$\text{FeSO4 (N)} = \frac{[\text{K2Cr2O7 (mL)} * \text{K2Cr2O7 (N)}]}{\text{FeSO4 (mL)}}$$

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|   |            |            |  |   |      |       |      |      |       |       |      |       |       |            |       |
|---|------------|------------|--|---|------|-------|------|------|-------|-------|------|-------|-------|------------|-------|
| 1 | LB115737BL | LB115737BL |  | 1 | 0.66 | 10.00 | 1.00 | 0.00 | 21.00 | 21.00 | 0.48 | -0.05 | (484) | 08/06/2021 | 13:25 |
|---|------------|------------|--|---|------|-------|------|------|-------|-------|------|-------|-------|------------|-------|

$$\% \text{ TOC} = \frac{[\text{K2Cr2O7 (ml)} * \text{K2Cr2O7 (N)}] - [\text{FeSO4 Diff (mL)} * \text{FeSO4 (N)}]}{\text{Samplt Wt}} * \text{Constant}$$

Toc, PPM = % TOC \* 10000

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| Seq | LabID       | ClientID              | TrueVal<br>(mg/Kg) | DL | Sample<br>Wt (g) | K2Cr2O7<br>(ml) | K2Cr2O7<br>(N) | FeSO4<br>Initial<br>(mL) | FeSO4<br>Final<br>(mL) | FeSO4<br>Diff<br>(mL) | FeSO4<br>(N) | % TOC | TOC, PPM | Anal Date  | Anal<br>Time |
|-----|-------------|-----------------------|--------------------|----|------------------|-----------------|----------------|--------------------------|------------------------|-----------------------|--------------|-------|----------|------------|--------------|
| 1   | LB115737BL  | LB115737BL            |                    | 1  | 0.66             | 10.00           | 1.00           | 0.00                     | 21.00                  | 21.00                 | 0.48         | -0.05 | (484)    | 08/06/2021 | 13:25        |
| 2   | LB115737BS  | LB115737BS            | 470000             | 1  | 0.04             | 10.00           | 1.00           | 0.00                     | 11.60                  | 11.60                 | 0.48         | 44.21 | 442092   | 08/06/2021 | 13:32        |
| 3   | M3207-01    | RW8-MW01D3-743-745    |                    | 1  | 10.12            | 10.00           | 1.00           | 0.00                     | 20.20                  | 20.20                 | 0.48         | 0.01  | 120      | 08/06/2021 | 13:38        |
| 4   | M3207-02    | RW8-MW01D3-773-775    |                    | 1  | 7.29             | 10.00           | 1.00           | 0.00                     | 18.20                  | 18.20                 | 0.48         | 0.07  | 692      | 08/06/2021 | 13:46        |
| 5   | M3207-03    | RW8-MW01D3-833-835    |                    | 1  | 3.28             | 10.00           | 1.00           | 0.00                     | 19.20                  | 19.20                 | 0.48         | 0.10  | 954      | 08/06/2021 | 13:52        |
| 6   | M3207-03DUP | RW8-MW01D3-833-835DUP |                    | 1  | 3.59             | 10.00           | 1.00           | 0.00                     | 19.00                  | 19.00                 | 0.48         | 0.10  | 978      | 08/06/2021 | 14:02        |

$$\% \text{ TOC} = \frac{[\text{K2Cr2O7 (ml)} * \text{K2Cr2O7 (N)}] - [\text{FeSO4 Diff (mL)} * \text{FeSO4 (N)}]}{\text{Sample Wt}} * \text{Constant}$$

Sample Wt

$$\text{TOC, PPM} = \% \text{ TOC} * 10000$$

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : TOC-072721      WorkList ID : 150942      Department : Wet-Chemistry      Date : 07-27-2021 12:50:39

| Due Date   | Matrix | Sample   | Test  | Preservative | Customer | Raw Sample Storage Location | Customer Sample    | Collect Date | Method        |
|------------|--------|----------|-------|--------------|----------|-----------------------------|--------------------|--------------|---------------|
| 08/09/2021 | Solid  | M3207-01 | ✓ TOC | Cool 4 deg C | TETR06   | L62                         | RW8-MW01D3-742-745 | 07/21/2021   | Walkley Black |
| 08/09/2021 | Solid  | M3207-02 | ✓ TOC | Cool 4 deg C | TETR06   | L62                         | RW8-MW01D3-773-775 | 07/22/2021   | Walkley Black |
| 08/09/2021 | Solid  | M3207-03 | ✓ TOC | Cool 4 deg C | TETR06   | L62                         | RW8-MW01D3-833-835 | 07/23/2021   | Walkley Black |

Date/Time 7/27/21 13:20  
Raw Sample Received by: APCWC  
Raw Sample Relinquished by: SA(WC)

Date/Time 7/27/21 13:45  
Raw Sample Received by: JP (WC)  
Raw Sample Relinquished by: APCWC