

## Analytical Summary Report

Analysis Method: Walkley Black

Reviewed By: AMANDEEP

Parameter: TOC

Supervisor Review By: apatel

Run Number: LB90672

Constant: 0.399

Balance ID: WC SC-4

| Reagent/Standard                     | Lot/Log # |
|--------------------------------------|-----------|
| 1N Dicromate Solution for WB         | WP54923   |
| 0.5N Ferrous Sulfate Solution for WB | WP54922   |
| MERCURIC NITRATE, 0.0141 N 4L        | W2051     |
| Ferroin Indicator-0.025M, 120ML      | W2125     |

| Seq | K2Cr2O7<br>(mL) | K2Cr2O7<br>(N) | FeSO4<br>(mL) | FeSO4<br>(N) | Constant | FeSO4 AVG<br>(N) |
|-----|-----------------|----------------|---------------|--------------|----------|------------------|
| 1   | 10.00           | 1.00           | 20.80         | 0.48         | 0.399    | 0.49             |
| 2   | 10.00           | 1.00           | 20.60         | 0.49         | 0.399    |                  |

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

| Seq | LabID       | ClientID             | TrueVal<br>(mg/Kg) | DL | Sample<br>Wt (g) | K2Cr2O7<br>(ml) | K2Cr2O7<br>(N) | FeSO4<br>Initial | FeSO4<br>Final | FeSO4<br>Diff | FeSO4<br>(N) | % TOC | TOC, PPM | Anal Date  | Anal<br>Time |
|-----|-------------|----------------------|--------------------|----|------------------|-----------------|----------------|------------------|----------------|---------------|--------------|-------|----------|------------|--------------|
| 1   | LB90672BL   | LB90672BL            |                    | 1  | 0.64             | 10.00           | 1.00           | 0.00             | 20.40          | 20.40         | 0.49         | 0.00  | 25       | 10/09/2017 | 14:10        |
| 2   | LB90672BS   | LB90672BS            | 470000             | 1  | 0.03             | 10.00           | 1.00           | 20.40            | 32.60          | 12.20         | 0.49         | 53.49 | 534926   | 10/09/2017 | 14:20        |
| 3   | I5727-01    | B-18 (0-10) COMP     |                    | 1  | 0.30             | 10.00           | 1.00           | 32.60            | 50.40          | 17.80         | 0.49         | 1.70  | 16997    | 10/09/2017 | 14:29        |
| 4   | I5727-01DUP | B-18 (0-10) COMP DUP |                    | 1  | 0.45             | 10.00           | 1.00           | 50.40            | 66.80          | 16.40         | 0.49         | 1.74  | 17414    | 10/09/2017 | 14:40        |

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

Sample Wt

Toc, PPM = % TOC \* 10000

LB90672

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TOC100917

WorkList ID : 103928

Date : 10/9/2017 12:28:04 PM

| Due Date   | Matrix | Sample   | Test | Preservative | Customer | Storage Location | Customer Sample | Collect Date | Method        |
|------------|--------|----------|------|--------------|----------|------------------|-----------------|--------------|---------------|
| 10/15/2017 | Solid  | I5727-01 | TOC  | Cool 4 deg C | WSP001   | H11              | B-18(0-10)COMP  | 10/02/2017   | Walkley Black |

Date/Time 10/09/17 13:00  
Received by: AC  
Relinquished by: CP

Date/Time 10/09/17 13:20  
Received by: \_\_\_\_\_  
Relinquished by: \_\_\_\_\_