

## Analytical Summary Report

Analysis Method: Walkley Black

Reviewed By: AMANDEEP

Parameter: TOC

Supervisor Review By: apatel

Run Number: LB92509

Constant: 0.399

Balance ID: WC SC-4

| Reagent/Standard                           | Lot/Log # |
|--------------------------------------------|-----------|
| 1N Dicromate Solution for WB               | WP59522   |
| 0.5N Ferrous Sulfate Solution for WB       | WP60635   |
| Ferroin Indicator-0.025M, 120ML            | W2188     |
| Sulfuric Acid, Instra-Analyzed (cs/6c2.5L) | W2246     |

| Seq | K2Cr2O7<br>(mL) | K2Cr2O7<br>(N) | FeSO4<br>(mL) | FeSO4<br>(N) | Constant | FeSO4 AVG<br>(N) |
|-----|-----------------|----------------|---------------|--------------|----------|------------------|
| 1   | 10.00           | 1.00           | 20.60         | 0.49         | 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   | LB92509BL   | LB92509BL           |                    | 1  | 0.22             | 10.00           | 1.00           | 0.00             | 20.60          | 20.60         | 0.49         | -0.17 | -1705    | 01/08/2018 | 10:50        |
| 2   | LB92509BS   | LB92509BS           | 470000             | 1  | 0.03             | 10.00           | 1.00           | 20.60            | 32.80          | 12.20         | 0.49         | 53.49 | 534926   | 01/08/2018 | 10:55        |
| 3   | J1003-08    | B-10 (0-10) COMP    |                    | 1  | 0.43             | 10.00           | 1.00           | 31.80            | 48.20          | 16.40         | 0.49         | 1.82  | 18224    | 01/08/2018 | 11:04        |
| 4   | J1003-08DUP | B-10 (0-10) COMPDUP |                    | 1  | 0.79             | 10.00           | 1.00           | 48.20            | 61.20          | 13.00         | 0.49         | 1.83  | 18334    | 01/08/2018 | 11:10        |

% 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

6342509

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TOC1818

WorkList ID : 107209

Date : 1/8/2018 10:01:58 AM

| Due Date   | Matrix | Sample   | Test | Preservative | Customer | Storage Location | Customer Sample | Collect Date | Method        |
|------------|--------|----------|------|--------------|----------|------------------|-----------------|--------------|---------------|
| 01/14/2018 | Solid  | J1003-08 | TOC  | Cool 4 deg C | WSP001   | I22              | B-10(0-10)COMP  | 01/02/2018   | Walkley Black |

Date/Time 01-08-2018 10:05  
Received by: AK  
Relinquished by: [Signature]

Date/Time 01-08-2018 11:30  
Received by: [Signature]  
Relinquished by: AK