

Analytical Summary Report

Analysis Method: Walkley Black

Reviewed By: AMANDEEP

Parameter: TOC

Supervisor Review By: DHVANI

Run Number: LB90177

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
Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	W2246
Ferroin Indicator-0.025M, 120ML	W2125
Potassium Hydrogen Phthalate, 500 gms	W1456
STONES,BOILING,PTFE 450GM	M3536

Seq	K2Cr2O7 (mL)	K2Cr2O7 (N)	FeSO4 (mL)	FeSO4 (N)	Constant	FeSO4 AVG (N)
1	10.00	1.00	20.00	0.50	0.399	0.50
2	10.00	1.00	20.10	0.50	0.399	

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

Seq	LabID	ClientID	TrueVal (mg/Kg)	DL	Sample Wt (g)	K2Cr2O7 (ml)	K2Cr2O7 (N)	FeSO4 Initial	FeSO4 Final	FeSO4 Diff	FeSO4 (N)	% TOC	TOC, PPM	Anal Date	Anal Time
1	LB90177BL	LB90177BL		1	0.25	10.00	1.00	0.00	20.00	20.00	0.50	0.00	0	09/19/2017	15:15
2	LB90177BS	LB90177BS	470000	1	0.04	10.00	1.00	20.00	30.40	10.40	0.50	47.88	478800	09/19/2017	15:25
3	I5138-43	EME-UTS-TS002-01		1	1.02	10.00	1.00	0.00	8.40	8.40	0.50	2.27	22688	09/19/2017	15:33
4	I5138-43DUP	EME-UTS-TS002-01DUP		1	0.83	10.00	1.00	18.40	29.60	11.20	0.50	2.12	21152	09/19/2017	15:40
5	I5138-44	EME-UTS-TS009-01		1	1.10	10.00	1.00	8.40	18.40	10.00	0.50	1.81	18136	09/19/2017	15:47

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

Sample Wt

Toc, PPM = % TOC * 10000