

Analytical Summary Report

Analysis Method: Walkley Black

Reviewed By: AMANDEEP

Parameter: TOC

Supervisor Review By: apatel

Run Number: LB105589

Constant: 0.399

Balance ID: WC SC-3

Reagent/Standard	Lot/Log #
1N Dicromate Solution for WB	WP78756
0.5N Ferrous Sulfate Solution for WB	WP73646
Ferroin Indicator-0.025M, 120ML	W2296
Sulfuric Acid, Instra-Analyzed (cs/6c2.5L	W2482

Seq	K2Cr2O7 (ml)	K2Cr2O7 (N)	FeSO4 (mL)	FeSO4 (N)	Constant	FeSO4 AVG (N)
1	10.00	1.00	20.80	0.48	0.399	0.48
2	10.00	1.00	20.80	0.48	0.399	

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

Page 1 of 1

1	LB105589BL	LB105589BL		1	0.35	10.00	1.00	0.00	20.80	20.80	0.48	0.02	182	10/09/2019	11:02
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$$\% \text{ TOC} = \frac{[\text{K2Cr2O7 (ml)} * \text{K2Cr2O7 (N)}] - [\text{FeSO4 Diff (mL)} * \text{FeSO4 (N)}]}{\text{Sampl t Wt}} * \text{Constant}$$

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

Page 1 of 2

Seq	LabID	ClientID	TrueVal (mg/Kg)	DL	Sample Wt (g)	K2Cr2O7 (ml)	K2Cr2O7 (N)	FeSO4 Initial (mL)	FeSO4 Final (mL)	FeSO4 Diff (mL)	FeSO4 (N)	% TOC	TOC, PPM	Anal Date	Anal Time
1	LB105589BL	LB105589BL		1	0.35	10.00	1.00	0.00	20.80	20.80	0.48	0.02	182	10/09/2019	11:02
2	LB105589BS	LB105589BS	470000	1	0.03	10.00	1.00	20.80	33.80	13.00	0.48	50.01	500080	10/09/2019	11:12
3	K5144-04	COMP-1		1	0.99	10.00	1.00	33.80	49.20	15.40	0.48	1.05	10511	10/09/2019	11:17
4	K5144-04DUP	COMP-1DUP		1	1.00	10.00	1.00	49.20	64.20	15.00	0.48	1.12	11172	10/09/2019	11:26

% 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

18105589

WORKLIST(Hardcopy Internal Chain)

WorkList Name : toc100919

WorkList ID : 131867

Department : Wet-Chemistry

Date : 10-09-2019 09:09:29

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
10/08/2019	Solid	K5144-04	TOC	Cool 4 deg C	TSLA01	O11	COMP-1	09/30/2019	Walkley Black

Date/Time 10-9-19 9:20
Received by: AV
Relinquished by: OR

Date/Time 10-9-19 9:48
Received by: OR
Relinquished by: OR