

Analytical Summary Report

Analysis Method: Walkley Black

Reviewed By: apatel

Parameter: TOC

Supervisor Review By: jignesh

Run Number: LB116144

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
Sulfuric Acid, Instra-Analyzed (cs/6c2.5L	W2609

Seq	K2Cr2O7 (ml)	K2Cr2O7 (N)	FeSO4 (mL)	FeSO4 (N)	Constant	FeSO4 AVG (N)
1	10.00	1.00	22.00	0.45	0.399	0.46
2	10.00	1.00	21.80	0.46	0.399	

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

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1	LB116144BL	LB116144BL		1	1.22	10.00	1.00	0.00	21.80	21.80	0.46	-0.01	(92)	09/03/2021	09:05
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$$\% \text{ TOC} = \frac{[\text{K2Cr2O7 (ml)} * \text{K2Cr2O7 (N)}] - [\text{FeSO4 Diff (mL)} * \text{FeSO4 (N)}]}{\text{Samplt Wt}} * \text{Constant}$$

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

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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	LB116144BL	LB116144BL		1	1.22	10.00	1.00	0.00	21.80	21.80	0.46	-0.01	(92)	09/03/2021	09:05
2	LB116144BS	LB116144BS	470000	1	0.04	10.00	1.00	0.00	11.80	11.80	0.46	45.61	456057	09/03/2021	09:08
3	M3585-01	BP-TT-VPB-RW7-SO-600-60		1	3.17	10.00	1.00	0.00	15.80	15.80	0.46	0.34	3439	09/03/2021	09:16
4	M3585-02	BP-TT-VPB-RW7-SO-610-61		1	2.44	10.00	1.00	0.00	19.40	19.40	0.46	0.18	1760	09/03/2021	09:22
5	M3585-03	BP-TT-VPB-RW7-SO-620-62		1	2.63	10.00	1.00	0.00	20.60	20.60	0.46	0.08	795	09/03/2021	09:30
6	M3585-03DUP	BP-TT-VPB-RW7-SO-620-62		1	3.88	10.00	1.00	0.00	20.20	20.20	0.46	0.07	728	09/03/2021	09:36

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

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

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TOC-083021 WorkList ID : 151847 Department : Wet-Chemistry Date : 08-30-2021 10:02:10

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
09/13/2021	Solid	M3585-01	TOC	Cool 4 deg C	TETR06	H11	BO-TT-VPB-RW7-SO-60C	08/26/2021	Walkley Black
09/13/2021	Solid	M3585-02	TOC	Cool 4 deg C	TETR06	H11	BO-TT-VPB-RW7-SO-61C	08/26/2021	Walkley Black
09/13/2021	Solid	M3585-03	TOC	Cool 4 deg C	TETR06	H11	BO-TT-VPB-RW7-SO-62C	08/27/2021	Walkley Black

Date/Time 8/30/21 12:45
 Raw Sample Received by: AP (WCC)
 Raw Sample Relinquished by: JP (WCC)

Date/Time 8/30/21 13:30
 Raw Sample Received by: JP (WCC)
 Raw Sample Relinquished by: AP (WCC)