

Analytical Summary Report

Analysis Method: Walkley Black

Reviewed By: apatel

Parameter: TOC

Supervisor Review By: ketankumar

Run Number: LB116344

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	19.40	0.52	0.399	0.52
2	10.00	1.00	19.40	0.52	0.399	

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

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1	LB116344BL	LB116344BL		1	1.25	10.00	1.00	0.00	19.40	19.40	0.52	-0.03	(281)	09/16/2021	10:10
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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	LB116344BL	LB116344BL		1	1.25	10.00	1.00	0.00	19.40	19.40	0.52	-0.03	(281)	09/16/2021	10:10
2	LB116344BS	LB116344BS	470000	1	0.03	10.00	1.00	0.00	12.20	12.20	0.52	48.62	486248	09/16/2021	10:18
3	M3729-02	BP-TT-VPB-RW7-SO-730-73		1	7.11	10.00	1.00	0.00	17.60	17.60	0.52	0.05	476	09/16/2021	10:26
4	M3729-03	BP-TT-VPB-RW7-SO-750-75		1	9.92	10.00	1.00	0.00	18.00	18.00	0.52	0.03	257	09/16/2021	10:33
5	M3729-04	BP-TT-VPB-RW7-SO-770-77		1	4.70	10.00	1.00	0.00	8.00	8.00	0.52	0.50	4958	09/16/2021	10:41
6	M3729-05	BP-TT-VPB-RW7-SO-780-78		1	1.15	10.00	1.00	0.00	6.20	6.20	0.52	2.35	23510	09/16/2021	10:50
7	M3729-05DUP	BP-TT-VPB-RW7-SO-780-78		1	0.74	10.00	1.00	0.00	11.00	11.00	0.52	2.31	23077	09/16/2021	11:00
8	M3729-06	BP-TT-VPB-RW7-SO-790-79		1	7.52	10.00	1.00	0.00	15.40	15.40	0.52	0.11	1057	09/16/2021	11:08

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

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

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TOC-091421 WorkList ID : 152231 Department : Wet-Chemistry Date : 09-14-2021 10:36:42

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
09/16/2021	Solid	M3729-02	TOC	Cool 4 deg C	TETR06	D11	BP-TT-VPB-RW7-SO-73C	09/08/2021	Walkley Black
09/16/2021	Solid	M3729-03	TOC	Cool 4 deg C	TETR06	D11	BP-TT-VPB-RW7-SO-75C	09/08/2021	Walkley Black
09/16/2021	Solid	M3729-04	TOC	Cool 4 deg C	TETR06	D11	BP-TT-VPB-RW7-SO-77C	09/09/2021	Walkley Black
09/16/2021	Solid	M3729-05	TOC	Cool 4 deg C	TETR06	D11	BP-TT-VPB-RW7-SO-78C	09/10/2021	Walkley Black
09/16/2021	Solid	M3729-06	TOC	Cool 4 deg C	TETR06	D11	BP-TT-VPB-RW7-SO-79C	09/10/2021	Walkley Black

Date/Time 9/14/21 13:30
Raw Sample Received by: AP/WSL
Raw Sample Relinquished by: AP/WSL

Date/Time 9/14/21 14:10
Raw Sample Received by: AP/WSL
Raw Sample Relinquished by: AP/WSL