

Analytical Summary Report

Analysis Method: Walkley Black

Reviewed By: Alexander

Parameter: TOC

Supervisor Review By: apatel

Run Number: LB112046

Constant: 0.399

Balance ID: WC SC-5

Reagent/Standard	Lot/Log #
1N Dicromate Solution for WB	WP86884
0.5N Ferrous Sulfate Solution for WB	WP86883
Ferroin Indicator-0.025M, 120ML	W2614

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

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

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1	LB112046BL	LB112046BL		1	0.55	10.00	1.00	0.00	21.80	21.80	0.46	-0.02	(203)	11/19/2020	11:30
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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	LB112046BL	LB112046BL		1	0.55	10.00	1.00	0.00	21.80	21.80	0.46	-0.02	(203)	11/19/2020	11:30
2	LB112046BS	LB112046BS	470000	1	0.06	10.00	1.00	43.40	48.60	5.20	0.46	50.59	505932	11/19/2020	11:34
3	L4785-01	M-6 (0-10)		1	0.52	10.00	1.00	48.60	60.00	11.40	0.46	3.65	36493	11/19/2020	11:40
4	L4785-01DUP	M-6 (0-10) DUP		1	0.73	10.00	1.00	60.00	67.20	7.20	0.46	3.66	36555	11/19/2020	11:45
5	L4785-02	M-99 (0-10)		1	0.74	10.00	1.00	67.20	75.40	8.20	0.46	3.36	33581	11/19/2020	11:51

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

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

LB112046
WORKLIST(Hardcopy Internal Chain)

WorkList Name : TOC-solid-111820 **WorkList ID :** 144266 **Department :** Wet-Chemistry **Date :** 11-18-2020 09:48:35

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
11/23/2020	Solid	L4785-01	TOC	Cool 4 deg C	WSP001	H31	M-6(0-10)	11/09/2020	Walkley Black
11/23/2020	Solid	L4785-02	TOC	Cool 4 deg C	WSP001	H31	M-99(0-10)	11/10/2020	Walkley Black

Date/Time 11/18/2020 14:40
Received by: AMC wet-chem
Relinquished by: 78 C wet-chem

Date/Time 11/18/2020 15:10
Received by: 78 C wet-chem
Relinquished by: AMC wet-chem