

Analytical Summary Report

Analysis Method: Walkley Black

Reviewed By: Alexander

Parameter: TOC

Supervisor Review By: apatel

Run Number: LB114247

Constant: 0.399

Balance ID: WC SC-5

Reagent/Standard	Lot/Log #
1N Dicromate Solution for WB	WP90726
0.5N Ferrous Sulfate Solution for WB	WP90725
Sulfuric Acid, Instra-Analyzed (cs/6c2.5L	W2609
Ferroin Indicator-0.025M, 120ML	W2614

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	21.00	0.48	0.399	

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

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1	LB114247BL	LB114247BL		1	0.20	10.00	1.00	0.00	20.80	20.80	0.48	0.03	319	05/03/2021	11:05
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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	LB114247BL	LB114247BL		1	0.20	10.00	1.00	0.00	20.80	20.80	0.48	0.03	319	05/03/2021	11:05
2	LB114247BS	LB114247BS	470000	1	0.03	10.00	1.00	20.80	34.00	13.20	0.48	48.73	487312	05/03/2021	11:10
3	M2105-18	BG4Z8		1	0.07	10.00	1.00	34.00	50.00	16.00	0.48	13.22	132240	05/03/2021	11:16
4	M2105-19	BG561		1	0.05	10.00	1.00	49.00	66.80	17.80	0.48	11.62	116189	05/03/2021	11:21
5	M2105-20	BG562		1	0.13	10.00	1.00	66.80	84.20	17.40	0.48	5.06	50581	05/03/2021	11:26
6	M2105-21	BG563		1	0.52	10.00	1.00	0.00	18.20	18.20	0.48	0.97	9699	05/03/2021	11:32
7	M2105-22	BG564		1	0.08	10.00	1.00	18.20	36.00	17.80	0.48	7.26	72618	05/03/2021	11:37
8	M2105-23	BG565		1	0.12	10.00	1.00	36.00	53.80	17.80	0.48	4.84	48412	05/03/2021	11:42
9	M2105-24	BG566		1	0.10	10.00	1.00	53.80	71.60	17.80	0.48	5.81	58094	05/03/2021	11:47
10	M2105-25	BG567		1	0.53	10.00	1.00	71.60	87.40	15.80	0.48	1.82	18188	05/03/2021	11:53
11	M2105-26	BG568		1	0.09	10.00	1.00	0.00	17.60	17.60	0.48	6.88	68805	05/03/2021	12:00
12	M2105-27	BG569		1	0.08	10.00	1.00	17.60	35.00	17.40	0.48	8.22	82194	05/03/2021	12:05
13	M2105-28	BG570		1	0.19	10.00	1.00	35.00	45.20	10.20	0.48	10.72	107184	05/03/2021	12:11
14	M2105-29	BG571		1	0.20	10.00	1.00	45.20	52.60	7.40	0.48	12.86	128638	05/03/2021	12:16
15	M2105-30	BG572		1	0.20	10.00	1.00	0.00	11.20	11.20	0.48	9.22	92249	05/03/2021	12:22
16	M2105-30DUP	BG572DUP		1	0.29	10.00	1.00	11.20	19.60	8.40	0.48	8.21	82111	05/03/2021	12:28

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

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

LB114247
WORKLIST(Hardcopy Internal Chain)

WorkList Name : WB-42921 WorkList ID : 148467 Department : Wet-Chemistry Date : 04-29-2021 11:26:36

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
05/03/2021	Solid	M2105-18	TOC	Cool 4 deg C	ROYF02	O31	BG4Z8	04/19/2021	Walkley Black
05/03/2021	Solid	M2105-19	TOC	Cool 4 deg C	ROYF02	O31	BG561	04/19/2021	Walkley Black
05/03/2021	Solid	M2105-20	TOC	Cool 4 deg C	ROYF02	O31	BG562	04/19/2021	Walkley Black
05/03/2021	Solid	M2105-21	TOC	Cool 4 deg C	ROYF02	O31	BG563	04/19/2021	Walkley Black
05/03/2021	Solid	M2105-22	TOC	Cool 4 deg C	ROYF02	O31	BG564	04/19/2021	Walkley Black
05/03/2021	Solid	M2105-23	TOC	Cool 4 deg C	ROYF02	O31	BG565	04/19/2021	Walkley Black
05/03/2021	Solid	M2105-30	TOC	Cool 4 deg C	ROYF02	O31	BG572	04/19/2021	Walkley Black
05/03/2021	Solid	M2105-24	TOC	Cool 4 deg C	ROYF02	O31	BG566	04/19/2021	Walkley Black
05/03/2021	Solid	M2105-25	TOC	Cool 4 deg C	ROYF02	O31	BG567	04/19/2021	Walkley Black
05/03/2021	Solid	M2105-26	TOC	Cool 4 deg C	ROYF02	O31	BG568	04/19/2021	Walkley Black
05/03/2021	Solid	M2105-27	TOC	Cool 4 deg C	ROYF02	O31	BG569	04/19/2021	Walkley Black
05/03/2021	Solid	M2105-28	TOC	Cool 4 deg C	ROYF02	O31	BG570	04/19/2021	Walkley Black
05/03/2021	Solid	M2105-29	TOC	Cool 4 deg C	ROYF02	O31	BG571	04/19/2021	Walkley Black

Date/Time 04/29/2021 16:05
Raw Sample Received by: AMCwet-chem
Raw Sample Relinquished by: CP (SM)

Date/Time 04/29/2021 16:40
Raw Sample Received by: CP (SM)
Raw Sample Relinquished by: AMCwet-chem