

Analytical Summary Report

Analysis Method: Walkley Black

Reviewed By: Alexander

Parameter: TOC

Supervisor Review By: apatel

Run Number: LB109857

Constant: 0.399

Balance ID: WC SC-4

Reagent/Standard	Lot/Log #
1N Dicromate Solution for WB	WP82271
0.5N Ferrous Sulfate Solution for WB	WP82270
Ferroin Indicator-0.025M, 120ML	W2481

Seq	K2Cr2O7 (mL)	K2Cr2O7 (N)	FeSO4 (mL)	FeSO4 (N)	Constant	FeSO4 AVG (N)
1	10.00	1.00	21.40	0.47	0.399	0.47
2	10.00	1.00	21.60	0.46	0.399	

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

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1	LB109857BL	LB109857BL		1	0.40	10.00	1.00	0.00	21.40	21.40	0.47	-0.06	(579)	07/06/2020	10:37
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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	LB109857BL	LB109857BL		1	0.40	10.00	1.00	0.00	21.40	21.40	0.47	-0.06	(579)	07/06/2020	10:37
2	LB109857BS	LB109857BS	470000	1	0.06	10.00	1.00	21.40	27.20	5.80	0.47	48.37	483721	07/06/2020	10:39
3	L3136-01	BP-MW180-SOIL-570-572		1	0.50	10.00	1.00	29.20	46.00	16.80	0.47	1.68	16790	07/06/2020	10:40
4	L3136-02	BP-MW180-SOIL-572-574		1	3.12	10.00	1.00	27.20	39.20	12.00	0.47	0.56	5576	07/06/2020	10:40
5	L3136-03	BP-MW180-SOIL-574-578		1	2.01	10.00	1.00	67.40	86.00	18.60	0.47	0.25	2497	07/06/2020	10:40
6	L3151-02	BP-MW180-SOIL-584-588		1	4.65	10.00	1.00	39.20	58.20	19.00	0.47	0.09	918	07/06/2020	10:41
7	L3151-02DUP	BP-MW180-SOIL-584-588DU		1	4.76	10.00	1.00	20.80	39.60	18.80	0.47	0.10	976	07/06/2020	10:41
8	L3164-01	BP-MW180-SOIL-590-594		1	3.62	10.00	1.00	42.00	60.80	18.80	0.47	0.13	1283	07/06/2020	10:41
9	L3164-02	BP-MW180-SOIL-594-598		1	2.68	10.00	1.00	62.80	80.20	17.40	0.47	0.27	2713	07/06/2020	10:42
10	L3192-01	BP-MW180-SOIL-600-604		1	2.06	10.00	1.00	0.00	18.80	18.80	0.47	0.23	2255	07/06/2020	10:42
11	L3192-02	BP-MW180-SOIL-604-608		1	3.82	10.00	1.00	60.00	78.60	18.60	0.47	0.13	1314	07/06/2020	10:43
12	L3192-03	BP-MW180-SOIL-610-614		1	0.36	10.00	1.00	42.40	58.60	16.20	0.47	2.64	26445	07/06/2020	10:43
13	L3192-04	BP-MW180-SOIL-614-616		1	0.37	10.00	1.00	58.60	74.40	15.80	0.47	2.78	27757	07/06/2020	10:43
14	L3212-01	BP-MW180-SOIL-616-618		1	1.90	10.00	1.00	79.60	84.60	5.00	0.47	1.61	16065	07/06/2020	10:43

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

Sample Wt

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

LB109857
WORKLIST(Hardcopy Internal Chain)

WorkList Name : TOC-63020 WorkList ID : 140050 Department : Wet-Chemistry Date : 06-30-2020 16:03:45

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
07/10/2020	Solid	L3136-01 E	TOC	Cool 4 deg C	TETR06	R21	BP-MW180-SOIL-570-572	06/25/2020	Walkley Black
07/10/2020	Solid	L3136-02 E	TOC	Cool 4 deg C	TETR06	R21	BP-MW180-SOIL-572-574	06/25/2020	Walkley Black
07/10/2020	Solid	L3136-03 E	TOC	Cool 4 deg C	TETR06	R21	BP-MW180-SOIL-574-578	06/25/2020	Walkley Black
07/13/2020	Solid	L3151-02 E	TOC	Cool 4 deg C	TETR06	R41	BP-MW180-SOIL-584-588	06/26/2020	Walkley Black
07/13/2020	Solid	L3164-01 E	TOC	Cool 4 deg C	TETR06	R51	BP-MW180-SOIL-590-594	06/29/2020	Walkley Black
07/13/2020	Solid	L3164-02 E	TOC	Cool 4 deg C	TETR06	R51	BP-MW180-SOIL-594-598	06/29/2020	Walkley Black
07/14/2020	Solid	L3192-01 E	TOC	Cool 4 deg C	TETR06	P13	BP-MW180-SOIL-600-604	06/30/2020	Walkley Black
07/14/2020	Solid	L3192-02 E	TOC	Cool 4 deg C	TETR06	P13	BP-MW180-SOIL-604-608	06/30/2020	Walkley Black
07/14/2020	Solid	L3192-03 E	TOC	Cool 4 deg C	TETR06	P13	BP-MW180-SOIL-610-614	06/30/2020	Walkley Black
07/14/2020	Solid	L3192-04 E	TOC	Cool 4 deg C	TETR06	P13	BP-MW180-SOIL-614-616	06/30/2020	Walkley Black
07/16/2020	Solid	L3212-01 E	TOC	Cool 4 deg C	TETR06	P31	BP-MW180-SOIL-616-618	07/01/2020	Walkley Black

Date/Time: 7/02/2020 13:20
 Received by: AM (Wetchem)
 Relinquished by: JN (Wet-Hem)

Date/Time: 7/02/2020 13:56
 Received by: JN (Wet-Hem)
 Relinquished by: AM (Wetchem)