

Analytical Summary Report

Analysis Method: Walkley Black

Reviewed By: Alexander

Parameter: TOC

Supervisor Review By: apatel

Run Number: LB114260

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
Hexane, Ultra-Resi (cs/4x4L)	W2214
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	20.60	0.49	0.399	0.49
2	10.00	1.00	20.80	0.48	0.399	

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

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1	LB114260BL	LB114260BL		1	0.18	10.00	1.00	0.00	20.40	20.40	0.49	0.01	89	05/03/2021	15:30
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$$\% \text{ TOC} = \frac{[\text{K2Cr2O7 (ml)} * \text{K2Cr2O7 (N)}] - [\text{FeSO4 Diff (mL)} * \text{FeSO4 (N)}]}{\text{Sampl t Wt}} * \text{Constant}$$

Toc, PPM = % 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	LB114260BL	LB114260BL		1	0.18	10.00	1.00	0.00	20.40	20.40	0.49	0.01	89	05/03/2021	15:30
2	LB114260BS	LB114260BS	470000	1	0.03	10.00	1.00	20.80	34.20	13.40	0.49	45.67	456722	05/03/2021	15:35
3	M2116-17	BG501		1	0.39	10.00	1.00	19.60	27.20	7.60	0.49	6.42	64208	05/03/2021	15:41
4	M2116-18	BG502		1	0.40	10.00	1.00	27.20	35.20	8.00	0.49	6.06	60648	05/03/2021	15:46
5	M2116-19	BG503		1	0.36	10.00	1.00	35.20	44.80	9.60	0.49	5.87	58697	05/03/2021	15:52
6	M2116-20	BG505		1	0.59	10.00	1.00	44.80	57.00	12.20	0.49	2.72	27200	05/03/2021	15:58
7	M2116-21	BG506		1	0.55	10.00	1.00	57.00	70.60	13.60	0.49	2.42	24201	05/03/2021	16:03
8	M2116-22	BG507		1	0.59	10.00	1.00	0.00	6.00	6.00	0.49	4.77	47745	05/03/2021	16:09
9	M2116-23	BG508		1	0.46	10.00	1.00	6.00	17.40	11.40	0.49	3.83	38287	05/03/2021	16:15
10	M2116-24	BG509		1	0.38	10.00	1.00	17.40	23.60	6.20	0.49	7.31	73101	05/03/2021	16:20
11	M2116-25	BG511		1	0.54	10.00	1.00	23.60	35.40	11.80	0.49	3.12	31166	05/03/2021	16:25
12	M2116-26	BG512		1	0.14	10.00	1.00	35.40	47.60	12.20	0.49	11.46	114627	05/03/2021	16:31
13	M2178-08	6100-SED26B		1	0.30	10.00	1.00	47.60	61.60	14.00	0.49	4.18	41762	05/03/2021	16:36
14	M2178-09	6100-SED09A		1	0.22	10.00	1.00	61.60	76.80	15.20	0.49	4.63	46284	05/03/2021	16:42
15	M2178-10	6100-SED09B		1	0.17	10.00	1.00	76.80	90.80	14.00	0.49	7.37	73698	05/03/2021	16:47
16	M2178-11	6100-SED09C		1	0.17	10.00	1.00	0.00	9.40	9.40	0.49	12.66	126600	05/03/2021	16:52
17	M2178-11DUP	6100-SED09CDUP		1	0.23	10.00	1.00	9.40	16.00	6.60	0.49	11.74	117375	05/03/2021	16:58

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

Sample Wt

Toc, PPM = % TOC * 10000

LB114125
WORKLIST(Hardcopy Internal Chain)

WorkList Name : TOC-solid-42121 WorkList ID : 148241 Department : Wet-Chemistry Date : 04-21-2021 12:09:52

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
05/10/2021	Solid	M2116-01	TOC	Cool 4 deg C	ROYF02	P11	BG501	04/20/2021	Lloyd Kahn
05/10/2021	Solid	M2116-02	TOC	Cool 4 deg C	ROYF02	P11	BG502	04/20/2021	Lloyd Kahn
05/10/2021	Solid	M2116-03	TOC	Cool 4 deg C	ROYF02	P11	BG503	04/20/2021	Lloyd Kahn
05/10/2021	Solid	M2116-04	TOC	Cool 4 deg C	ROYF02	P11	BG504	04/20/2021	Lloyd Kahn
05/10/2021	Solid	M2116-05	TOC	Cool 4 deg C	ROYF02	P11	BG505	04/20/2021	Lloyd Kahn
05/10/2021	Solid	M2116-06	TOC	Cool 4 deg C	ROYF02	P11	BG506	04/20/2021	Lloyd Kahn
05/10/2021	Solid	M2116-07	TOC	Cool 4 deg C	ROYF02	P11	BG507	04/20/2021	Lloyd Kahn
05/10/2021	Solid	M2116-10	TOC	Cool 4 deg C	ROYF02	P11	BG510	04/20/2021	Lloyd Kahn
05/10/2021	Solid	M2116-13	TOC	Cool 4 deg C	ROYF02	P11	BG513	04/20/2021	Lloyd Kahn
05/10/2021	Solid	M2116-14	TOC	Cool 4 deg C	ROYF02	P11	BG573	04/20/2021	Lloyd Kahn
05/10/2021	Solid	M2116-15	TOC	Cool 4 deg C	ROYF02	P11	BG574	04/20/2021	Lloyd Kahn
05/10/2021	Solid	M2116-16	TOC	Cool 4 deg C	ROYF02	P11	BG575	04/20/2021	Lloyd Kahn

Date/Time 04/21/2021 16:10
 Raw Sample Received by: AM (wet-chem)
 Raw Sample Relinquished by: SP (wet-chem)

Date/Time 04/21/2021 16:50
 Raw Sample Received by: SP (wet-chem)
 Raw Sample Relinquished by: AM (wet-chem)

LB114186 WORKLIST(Hardcopy Internal Chain)

WorkList Name : TOC-solid-42321 WorkList ID : 148338 Department : Wet-Chemistry Date : 04-23-2021 17:01:00

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
05/10/2021	Solid	M2116-08	TOC	Cool 4 deg C	ROYF02	P11	BG508	04/20/2021	Lloyd Kahn
05/10/2021	Solid	M2116-09	TOC	Cool 4 deg C	ROYF02	P11	BG509	04/20/2021	Lloyd Kahn
05/10/2021	Solid	M2116-11	TOC	Cool 4 deg C	ROYF02	P11	BG511	04/20/2021	Lloyd Kahn
05/10/2021	Solid	M2116-12	TOC	Cool 4 deg C	ROYF02	P11	BG512	04/20/2021	Lloyd Kahn
05/07/2021	Solid	M2178-01	TOC	Cool 4 deg C	ROYF02	P13	6100-SED26B	04/23/2021	Lloyd Kahn
05/07/2021	Solid	M2178-02	TOC	Cool 4 deg C	ROYF02	P13	6100-SED08A	04/23/2021	Lloyd Kahn
05/07/2021	Solid	M2178-03	TOC	Cool 4 deg C	ROYF02	P13	6100-SED08B	04/23/2021	Lloyd Kahn
05/07/2021	Solid	M2178-04	TOC	Cool 4 deg C	ROYF02	P13	6100-SED08C	04/23/2021	Lloyd Kahn
05/07/2021	Solid	M2178-05	TOC	Cool 4 deg C	ROYF02	P13	6100-SED09A	04/23/2021	Lloyd Kahn
05/07/2021	Solid	M2178-06	TOC	Cool 4 deg C	ROYF02	P13	6100-SED09B	04/23/2021	Lloyd Kahn
05/07/2021	Solid	M2178-07	TOC	Cool 4 deg C	ROYF02	P13	6100-SED09C	04/23/2021	Lloyd Kahn

Date/Time 04/23/2021 17:05
 Raw Sample Received by: APM (wet-chem)
 Raw Sample Relinquished by: JP (wet-chem)

Date/Time 04/23/2021 17:40
 Raw Sample Received by: JP (wet-chem)
 Raw Sample Relinquished by: APM (wet-chem)