CHEMTECH

Analytical Summary Report

Analysis Method: Walkley Black
Parameter: TOC
Run Number: LB114346

Reviewed By: Alexander
Supervisor Review By: apatel
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
Sulfuric Acid, Instra-Analyzed (cs/6c2.5L	W2609
Hexane, Ultra-Resi (cs/4x4L)	W2214

Seq	K2Cr2O7 (ml)	K2Cr2O7 (N)	FeSO4 (mL)	FeSO4 (N)	Constant	FeSO4 AVG (N)
1	10.00	1.00	20.40	0.49	0.399	0.50
2	10.00	1.00	20.20	0.50	0.399	

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

1	LB114346BL	LB114346BL		1	0.16	10.00	1.00	0.00	20.00	20.00	0.50	0.00	0	05/07/2021 12:25

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

$$Toc, PPM = \% TOC * 10000$$

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	LB114346BL	LB114346BL		1	0.16	10.00	1.00	0.00	20.00	20.00	0.50	0.00	0	05/07/2021	12:25
2	LB114346BS	LB114346BS	470000	1	0.04	10.00	1.00	20.00	30.20	10.20	0.50	48.88	488775	05/07/2021	12:29
3	M2210-26	6100-SED26C		1	0.20	10.00	1.00	30.80	39.40	8.60	0.50	11.37	113715	05/07/2021	12:33
4	M2210-27	6100-SED27A		1	0.25	10.00	1.00	39.40	47.20	7.80	0.50	9.74	97356	05/07/2021	12:38
5	M2210-28	6100-SED07A		1	0.21	10.00	1.00	47.20	56.80	9.60	0.50	9.88	98800	05/07/2021	12:43
6	M2210-29	6100-SED07B		1	0.22	10.00	1.00	56.80	62.20	5.40	0.50	13.24	132395	05/07/2021	12:48
7	M2210-30	6100-SED07C		1	0.21	10.00	1.00	62.20	72.20	10.00	0.50	9.50	95000	05/07/2021	12:52
8	M2210-31	6100-SED10A		1	0.12	10.00	1.00	72.20	85.80	13.60	0.50	10.64	106400	05/07/2021	12:57
9	M2210-32	6100-SED10B		1	0.11	10.00	1.00	0.00	10.00	10.00	0.50	18.14	181364	05/07/2021	13:01
10	M2210-33	6100-SED10C		1	0.31	10.00	1.00	10.00	25.20	15.20	0.50	3.09	30890	05/07/2021	13:05
11	M2210-34	6100-SED11A		1	0.38	10.00	1.00	25.20	41.80	16.60	0.50	1.78	17850	05/07/2021	13:10
12	M2210-35	6100-SED11B		1	0.32	10.00	1.00	41.80	57.20	15.40	0.50	2.87	28678	05/07/2021	13:14
13	M2210-36	6100-SED11C		1	0.26	10.00	1.00	57.20	66.20	9.00	0.50	8.44	84404	05/07/2021	13:20
14	M2210-37	6100-SED12A		1	0.29	10.00	1.00	0.00	17.20	17.20	0.50	1.93	19262	05/07/2021	13:24
15	M2210-38	6100-SED12B		1	0.29	10.00	1.00	17.20	35.60	18.40	0.50	1.10	11007	05/07/2021	13:28
16	M2210-39	6100-SED13A		1	0.12	10.00	1.00	35.60	48.60	13.00	0.50	11.64	116375	05/07/2021	13:32
17	M2210-40	6100-SED13B		1	0.11	10.00	1.00	48.60	62.40	13.80	0.50	11.24	112445	05/07/2021	13:37
18	M2210-41	6100-SED13C		1	0.21	10.00	1.00	62.40	74.40	12.00	0.50	7.60	76000	05/07/2021	13:42
19	M2210-42	6100-SED14A		1	0.29	10.00	1.00	74.40	90.80	16.40	0.50	2.48	24766	05/07/2021	13:47
20	M2210-43	6100-SED15A		1	0.24	10.00	1.00	0.00	12.00	12.00	0.50	6.65	66500	05/07/2021	13:52
21	M2210-44	6100-SED15B		1	0.33	10.00	1.00	12.00	26.80	14.80	0.50	3.14	31436	05/07/2021	13:57
22	M2210-45	6100-SED17A		1	0.20	10.00	1.00	26.80	37.00	10.20	0.50	9.78	97755	05/07/2021	14:04
23	M2210-46	6100-SED19A		1	0.11	10.00	1.00	37.00	49.40	12.40	0.50	13.78	137836	05/07/2021	14:08
24	M2210-47	6100-SED20A		1	0.34	10.00	1.00	49.60	66.00	16.40	0.50	2.11	21124	05/07/2021	14:12
25	M2210-47DUP	6100-SED20ADUP		1	0.32	10.00	1.00	66.00	82.40	16.40	0.50	2.24	22444	05/07/2021	14:17

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

Toc, PPM = % TOC * 10000

LB1142S5

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TOCsoil-42821 **WorkList ID :** 148432 **Department :** Wet-Chemistry **Date :** 04-28-2021 15:02:07

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
05/11/2021	Solid	M2210-01	TOC	Cool 4 deg C	ROYF02	P31	6100-SED26C	04/26/2021	Lloyd Kahn
05/11/2021	Solid	M2210-02	TOC	Cool 4 deg C	ROYF02	P31	6100-SED27A	04/27/2021	Lloyd Kahn
05/11/2021	Solid	M2210-03	TOC	Cool 4 deg C	ROYF02	P31	6100-SED07A	04/26/2021	Lloyd Kahn
05/11/2021	Solid	M2210-04	TOC	Cool 4 deg C	ROYF02	P31	6100-SED07B	04/26/2021	Lloyd Kahn
05/11/2021	Solid	M2210-05	TOC	Cool 4 deg C	ROYF02	P31	6100-SED07C	04/26/2021	Lloyd Kahn
05/11/2021	Solid	M2210-06	TOC	Cool 4 deg C	ROYF02	P31	6100-SED10A	04/26/2021	Lloyd Kahn
05/11/2021	Solid	M2210-07	TOC	Cool 4 deg C	ROYF02	P31	6100-SED10B	04/26/2021	Lloyd Kahn
05/11/2021	Solid	M2210-08	TOC	Cool 4 deg C	ROYF02	P31	6100-SED10C	04/26/2021	Lloyd Kahn
05/11/2021	Solid	M2210-09	TOC	Cool 4 deg C	ROYF02	P31	6100-SED11A	04/26/2021	Lloyd Kahn
05/11/2021	Solid	M2210-10	TOC	Cool 4 deg C	ROYF02	P31	6100-SED11B	04/26/2021	Lloyd Kahn
05/11/2021	Solid	M2210-11	TOC	Cool 4 deg C	ROYF02	P31	6100-SED11C	04/26/2021	Lloyd Kahn
05/11/2021	Solid	M2210-12	TOC	Cool 4 deg C	ROYF02	P31	6100-SED12A	04/26/2021	Lloyd Kahn
05/11/2021	Solid	M2210-13	TOC	Cool 4 deg C	ROYF02	P31	6100-SED12B	04/26/2021	Lloyd Kahn
05/11/2021	Solid	M2210-14	TOC	Cool 4 deg C	ROYF02	P31	6100-SED13A	04/26/2021	Lloyd Kahn
05/11/2021	Solid	M2210-15	TOC	Cool 4 deg C	ROYF02	P31	6100-SED13B	04/26/2021	Lloyd Kahn
05/11/2021	Solid	M2210-16	TOC	Cool 4 deg C	ROYF02	P31	6100-SED13C	04/26/2021	Lloyd Kahn
05/11/2021	Solid	M2210-17	TOC	Cool 4 deg C	ROYF02	P31	6100-SED14A	04/27/2021	Lloyd Kahn
05/11/2021	Solid	M2210-18	TOC	Cool 4 deg C	ROYF02	P31	6100-SED15A	04/27/2021	Lloyd Kahn
05/11/2021	Solid	M2210-19	TOC	Cool 4 deg C	ROYF02	P31	6100-SED16A	04/27/2021	Lloyd Kahn
05/11/2021	Solid	M2210-20	TOC	Cool 4 deg C	ROYF02	P31	6100-SED15B	04/27/2021	Lloyd Kahn
05/11/2021	Solid	M2210-21	TOC	Cool 4 deg C	ROYF02	P31	6100-SED17A	04/27/2021	Lloyd Kahn
05/11/2021	Solid	M2210-22	TOC	Cool 4 deg C	ROYF02	P31	6100-SED18A	04/27/2021	Lloyd Kahn

Date/Time 04/28/2021 16:40
Raw Sample Received by: AM(wet-chem)
Raw Sample Relinquished by: JR(wet chem)

Date/Time 04/28/2021 17:10
Raw Sample Received by: JR(wet chem)
Raw Sample Relinquished by: AM(wet-chem)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : TOCsoil-42821 **WorkList ID :** 148432 **Department :** Wet-Chemistry **Date :** 04-28-2021 15:02:07

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
05/11/2021	Solid	M2210-23	TOC	Cool 4 deg C	ROYF02	P31	6100-SED19A	04/27/2021	Lloyd Kahn
05/11/2021	Solid	M2210-24	TOC	Cool 4 deg C	ROYF02	P31	6100-SED20A	04/27/2021	Lloyd Kahn

Date/Time 04/28/2021 16:40
Raw Sample Received by: AMCwet-chem
Raw Sample Relinquished by: JD Lwet-Chem

Date/Time 04/28/2021 17:10
Raw Sample Received by: JD Lwet-Chem
Raw Sample Relinquished by: AMCwet-chem