

Analytical Summary Report

Analysis Method: Walkley Black

Reviewed By: AMANDEEP

Parameter: TOC

Supervisor Review By: apatel

Run Number: LB90091

Constant: 0.399

Balance ID: WC SC-4

Reagent/Standard	Lot/Log #
1N Dicromate Solution for WB	WP54923
0.5N Ferrous Sulfate Solution for WB	WP54922
Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	W2151
Ferroin Indicator-0.025M, 120ML	W2125
Potassium Hydrogen Phthalate, 500 gms	W1456
STONES,BOILING,PTFE 450GM	M3536

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

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

Page 1 of 1

1	LB90091BL	LB90091BL		1	0.21	10.00	1.00	0.00	20.00	20.00	0.50	0.00	0	09/15/2017	10:15
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$$\% \text{ TOC} = \frac{[\text{K2Cr2O7 (ml)} * \text{K2Cr2O7 (N)}] - [\text{FeSO4 Diff (mL)} * \text{FeSO4 (N)}]}{\text{Sampl t Wt}} * \text{Constant}$$

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

Page 1 of 2

Seq	LabID	ClientID	TrueVal (mg/Kg)	DL	Sample Wt (g)	K2Cr2O7 (ml)	K2Cr2O7 (N)	FeSO4 Initial	FeSO4 Final	FeSO4 Diff	FeSO4 (N)	% TOC	TOC, PPM	Anal Date	Anal Time
1	LB90091BL	LB90091BL		1	0.21	10.00	1.00	0.00	20.00	20.00	0.50	0.00	0	09/15/2017	10:15
2	LB90091BS	LB90091BS	470000	1	0.05	10.00	1.00	20.80	29.00	8.20	0.50	47.08	470820	09/15/2017	10:20
3	I5138-23	EME-UTS-TS001-01		1	1.38	10.00	1.00	29.00	37.00	8.00	0.50	1.73	17348	09/15/2017	10:24
4	I5138-23DUP	EME-UTS-TS001-01DUP		1	1.71	10.00	1.00	37.00	42.20	5.20	0.50	1.73	17267	09/15/2017	10:29
5	I5138-26	EME-UTS-TS001-02		1	1.59	10.00	1.00	42.20	47.00	4.80	0.50	1.91	19072	09/15/2017	10:34
6	I5138-27	EME-UTS-TS003-01		1	0.80	10.00	1.00	0.00	10.80	10.80	0.50	2.29	22943	09/15/2017	10:38
7	I5138-28	EME-UTS-TS004-01		1	0.85	10.00	1.00	10.80	18.20	7.40	0.50	2.96	29573	09/15/2017	10:44
8	I5138-29	EME-UTS-TS005-01		1	0.64	10.00	1.00	18.20	32.40	14.20	0.50	1.81	18080	09/15/2017	10:48
9	I5138-30	EME-UTS-TS006-01		1	0.86	10.00	1.00	32.40	43.20	10.80	0.50	2.13	21342	09/15/2017	10:53
10	I5138-31	EME-UTS-TS007-01		1	0.89	10.00	1.00	43.20	52.60	9.40	0.50	2.38	23761	09/15/2017	10:57
11	I5138-32	EME-UTS-TS008-01		1	0.73	10.00	1.00	52.60	64.20	11.60	0.50	2.30	22956	09/15/2017	11:02
12	I5138-33	EME-UTS-TS010-01		1	1.57	10.00	1.00	49.80	57.00	7.20	0.50	1.63	16265	09/15/2017	11:07
13	I5138-34	EME-UTS-TS011-01		1	0.73	10.00	1.00	64.20	76.00	11.80	0.50	2.24	22410	09/15/2017	11:12
14	I5138-35	EME-WM-TS001-01		1	0.64	10.00	1.00	76.00	84.20	8.20	0.50	3.68	36783	09/15/2017	11:16
15	I5138-36	EME-WM-TS002-01		1	0.50	10.00	1.00	84.20	95.40	11.20	0.50	3.51	35112	09/15/2017	11:21
16	I5138-37	EME-WM-TS003-01		1	0.51	10.00	1.00	0.00	9.00	9.00	0.50	4.30	43029	09/15/2017	11:25
17	I5138-38	EME-WM-TS004-01		1	0.45	10.00	1.00	9.00	21.20	12.20	0.50	3.46	34580	09/15/2017	11:29
18	I5138-39	EME-WM-TS005-01		1	0.53	10.00	1.00	21.20	34.00	12.80	0.50	2.71	27102	09/15/2017	11:35
19	I5138-40	EME-WM-TS006-01		1	0.52	10.00	1.00	34.00	44.00	10.00	0.50	3.84	38365	09/15/2017	11:40
20	I5138-41	EME-WM-TS007-01		1	0.50	10.00	1.00	44.00	54.60	10.60	0.50	3.75	37506	09/15/2017	11:44
21	I5138-42	EME-WM-TS008-01		1	0.54	10.00	1.00	54.60	63.00	8.40	0.50	4.29	42856	09/15/2017	11:49
22	I5195-01	B-17 (0-10) COMP		1	0.53	10.00	1.00	63.00	73.80	10.80	0.50	3.46	34630	09/15/2017	11:54

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

Sample Wt

Toc, PPM = % TOC * 10000