

Analytical Summary Report

Analysis Method: 7196A

ANALYST: chirag

Parameter: SPLP Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB106032

pH Meter ID: WC PH METER-1

Reagent/Standard	Lot/Log #
Calibratation STD HexaChrome 1 PPM	WP79494
Calibratation STD Hexa Chrome 0.5 PPM	WP79495
Calibration Std. hexchrome 0.1 ppm	WP79500
Calibration Std. hexchrome 0.05 ppm	WP79499
calibration std. hexchrome 0.01 ppm	WP79498
calibration std. hexchrome 0 ppm	WP79497
Hexavalent Chromium ICV Std.	WP79502
Hexavalent Chromium CCV Std	WP79501
Hexavalent Chromium LCS Std	WP79503
hexavalent chromium color reagent	WP79393
5N sulfuric acid	WP76600
Calibration std Hexachrome, 0.025ppm	WP79496

Intercept: 0.0001

Slope: 0.7991

Regression: 0.999998

Seq	Lab ID	True Value (mg/l)	DF	Initial Vol (ml/gm)	Final Vol (ml)	pH HN03	pH H2SO4	Absorb. at 540		Absorbance Difference	Anal Date	Anal Time
								Backgrnd	Color			
1	CAL1	0	1	100	100		2.10	0.000	0.000	0.000	10/31/2019	11:30
2	CAL2	0.01	1	100	100		1.56	0.000	0.008	0.008	10/31/2019	11:30
3	CAL3	0.025	1	100	100		1.60	0.000	0.020	0.020	10/31/2019	11:31
4	CAL4	0.05	1	100	100		2.05	0.000	0.041	0.041	10/31/2019	11:31
5	CAL5	0.1	1	100	100		1.65	0.000	0.079	0.079	10/31/2019	11:32
6	CAL6	0.5	1	100	100		2.10	0.000	0.400	0.400	10/31/2019	11:33
7	CAL7	1	1	100	100		1.56	0.000	0.799	0.799	10/31/2019	11:33



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pH Meter ID: WC PH METER-1

Seq	Lab ID	True Value (mg/l)	DF	Initial Vol (ml/gm)	Final Vol (ml)	pH HN03	pH H2SO4	Absorb. at 540		Absorbance Difference	Result	Anal Date	Anal Time
								Backgrnd	Color				
1	ICV	0.5	1	100	100		1.56	0.000	0.389	0.389	0.487	10/31/2019	11:34
2	ICB		1	100	100		2.10	0.000	0.000	0.000	0.000	10/31/2019	11:35
3	CCV1	0.5	1	100	100		1.56	0.000	0.378	0.378	0.473	10/31/2019	11:35
4	CCB1		1	100	100		2.05	0.000	0.000	0.000	0.000	10/31/2019	11:36
5	LB106032BL		1	100	100		1.60	0.000	0.000	0.000	0.000	10/31/2019	11:36
6	LB106032BS	0.5	1	100	100		1.65	0.000	0.374	0.374	0.468	10/31/2019	11:37
7	K5602-07		1	100	100		1.60	0.002	0.002	0.000	0.000	10/31/2019	11:37
8	K5602-07DUP		1	100	100		2.10	0.002	0.002	0.000	0.000	10/31/2019	11:38
9	K5602-07MS	1	2	100	100		1.56	0.002	0.289	0.287	0.359	10/31/2019	11:38
10	K5602-07MSD	1	2	100	100		1.60	0.002	0.286	0.284	0.355	10/31/2019	11:39
11	K5602-08		1	100	100		1.65	0.003	0.003	0.000	0.000	10/31/2019	11:39
12	K5603-03		1	100	100		2.01	0.003	0.003	0.000	0.000	10/31/2019	11:40
13	CCV2	0.5	1	100	100		2.10	0.000	0.379	0.379	0.474	10/31/2019	11:40
14	CCB2		1	100	100		1.56	0.000	0.000	0.000	0.000	10/31/2019	11:41

LB106032

WORKLIST(Hardcopy Internal Chain)

WorkList Name : SPLPHEX103119 WorkList ID : 132787 Department : Distillation Date : 10-31-2019 07:46:02

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
11/11/2019	Solid	K5602-07	SPLP Hexavalent Chron	Cool 4 deg C	AQUA04	H11	20190941-AMENDED-COMP	10/24/2019	7196A
11/11/2019	Solid	K5602-08	SPLP Hexavalent Chron	Cool 4 deg C	AQUA04	H11	20190942-AMENDED-COMP	10/24/2019	7196A
11/11/2019	Solid	K5603-03	SPLP Hexavalent Chron	Cool 4 deg C	AQUA04	H11	20190949-AMND-COMPOSIT	10/23/2019	7196A

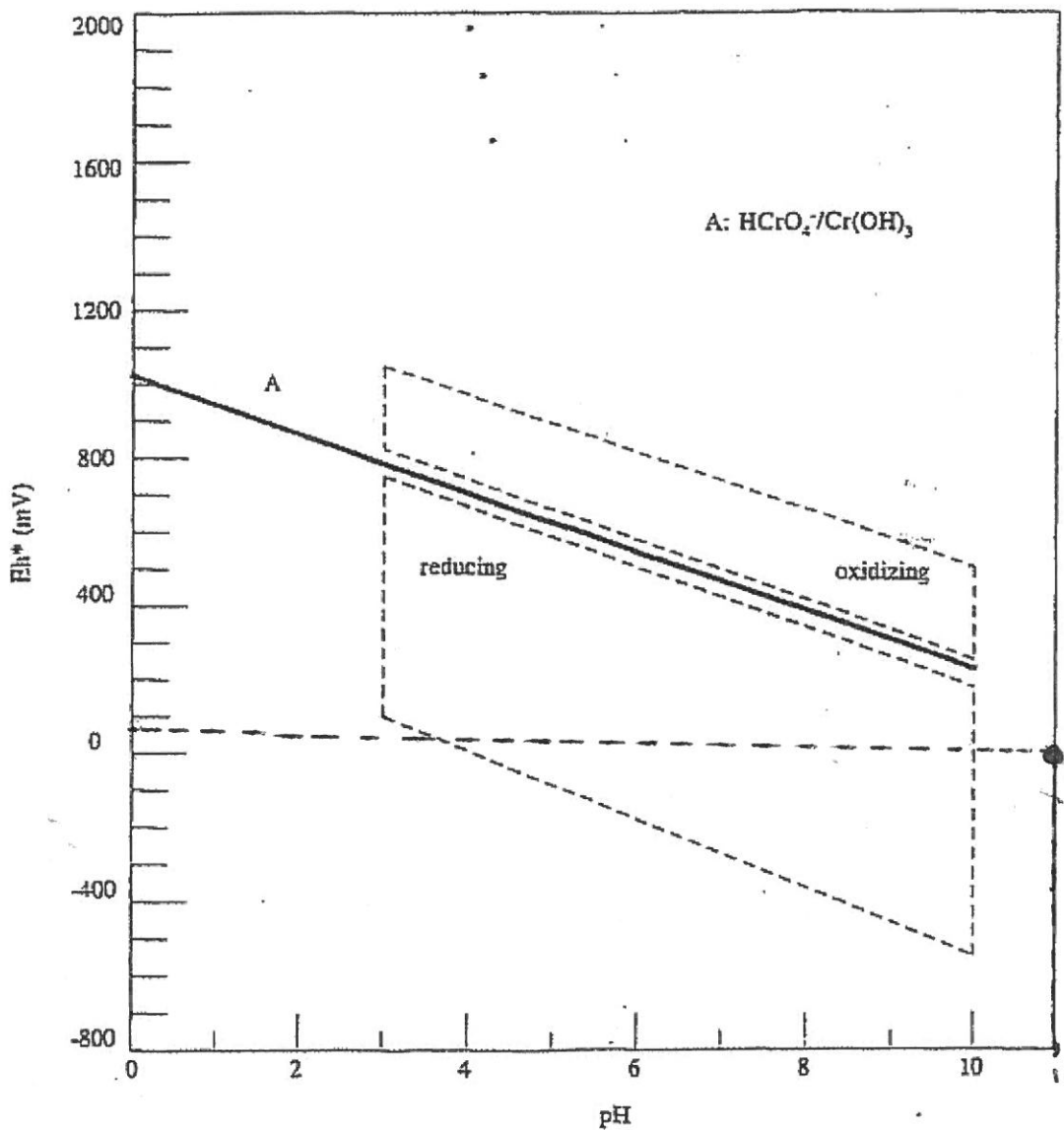
Date/Time 10/31/19 11:10
Received by: CS
Relinquished by: _____

Date/Time 10/31/19 11:50
Received by: CS
Relinquished by: CS

Appendix A

FIGURE 2
Eh/pH PHASE DIAGRAM

The dashed lines define Eh-pH boundaries commonly encountered in soils and sediments.



* Note the Eh values plotted on this diagram are corrected for the reference electrode voltage: 244 mV units must be added to the measured value when a separate calomel electrode is used, or 199 mV units must be added if a combination platinum electrode is used.

10/31/19

07

pH = 11.28
eV = -74.4