

Analytical Summary Report

Analysis Method: 7196A

ANALYST: ketankumar

Parameter: SPLP Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB109199

pH Meter ID: WC pH Meter-1

Reagent/Standard	Lot/Log #
Calibration Std. hexchrome 0.1 ppm	WP84267
Calibration Std. hexchrome 0.05 ppm	WP84268
calibration std. hexchrome 0.01 ppm	WP84269
calibration std. hexchrome 0 ppm	WP84270
hexavalent chromium color reagent	WP84202
5N sulfuric acid	WP84066
HNO3 Hex-Chrome, 5M	WP84067
Hexchrome Cleaning Solution	WP84106
Calibration Std Hexachrome 0.025 ppm	WP84272
Hexavalent Chromium ICV-LCS Std	WP84271
Calibration and CCV std HexChrome 0.5PPM	WP84266
Calibration std HexChrome 1.0PPM	WP84265

Intercept: -0.0007

Slope: 0.7975

Regression: 0.999996

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		2.07	0.000	0.000	0.000	05/15/2020	11:10
2	CAL2	0.01	1	100	100		2.05	0.000	0.008	0.008	05/15/2020	11:11
3	CAL3	0.025	1	100	100		2.06	0.000	0.020	0.020	05/15/2020	11:12
4	CAL4	0.05	1	100	100		2.04	0.000	0.038	0.038	05/15/2020	11:13
5	CAL5	0.1	1	100	100		2.07	0.000	0.078	0.078	05/15/2020	11:14
6	CAL6	0.5	1	100	100		2.07	0.000	0.398	0.398	05/15/2020	11:15
7	CAL7	1	1	100	100		2.06	0.000	0.797	0.797	05/15/2020	11:16

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Parameter: SPLP Hexavalent Ch

SUPERVISOR REVIEW BY: apatel

Run Number: LB109199

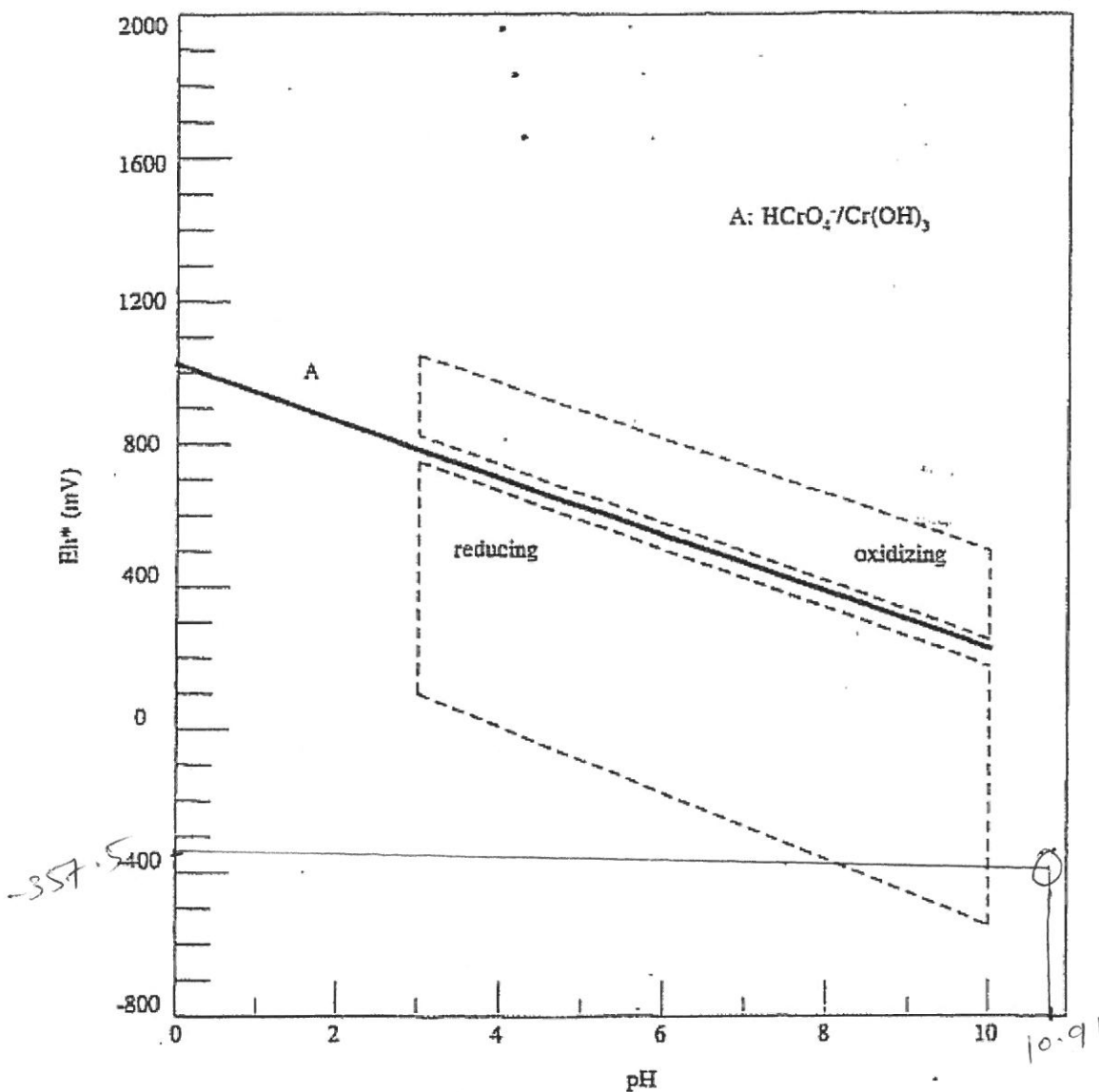
pH Meter ID: WC pH Meter-1

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		2.06	0.000	0.383	0.383	0.481	05/15/2020	11:17
2	ICB		1	100	100		2.04	0.000	0.000	0.000	0.001	05/15/2020	11:18
3	CCV1	0.5	1	100	100		2.06	0.000	0.377	0.377	0.474	05/15/2020	12:32
4	CCB1		1	100	100		2.05	0.000	0.000	0.000	0.001	05/15/2020	12:33
5	LB109199BL		1	100	100		2.03	0.000	0.000	0.000	0.001	05/15/2020	12:34
6	LB109199BS	0.5	1	100	100		2.04	0.000	0.382	0.382	0.480	05/15/2020	12:35
7	L2665-03		1	100	100		2.07	0.070	0.070	0.000	0.001	05/15/2020	12:36
8	L2665-03DUP		1	100	100		2.09	0.069	0.070	0.001	0.002	05/15/2020	12:37
9	L2665-03MS	1	2	100	100		2.08	0.069	0.088	0.019	0.025	05/15/2020	12:38
10	L2665-03MSD	1	2	100	100		2.07	0.070	0.089	0.019	0.025	05/15/2020	12:39
11	CCV2	0.5	1	100	100		2.06	0.000	0.395	0.395	0.496	05/15/2020	12:40
12	CCB2		1	100	100		2.04	0.000	0.000	0.000	0.001	05/15/2020	12:40

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.