

Alytical Summary Report

Analysis Method: 7196A

ANALYST: ketankumar

Parameter: Hexavalent Chromium Diss

SUPERVISOR REVIEW BY: apatel

Run Number: LB109429

pH Meter ID: WC pH Meter-1

Reagent/Standard	Lot/Log #
Calibration Std. hexchrome 0.1 ppm	WP84629
Calibration Std. hexchrome 0.05 ppm	WP84630
calibration std. hexchrome 0.01 ppm	WP84631
calibration std. hexchrome 0 ppm	WP84632
hexavalent chromium color reagent	WP84635
5N sulfuric acid	WP84066
HNO3 Hex-Chrome, 5M	WP84067
Hexchrome Cleaning Solution	WP84106
Calibration Std Hexachrome 0.025 ppm	WP84634
Hexavalent Chromium ICV-LCS Std	WP84633
Calibration and CCV std HexChrome 0.5PPM	WP84628
Calibration std HexChrome 1.0PPM	WP84627

Intercept: -0.0006

Slope: 0.7982

Regression: 0.999997

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		2.04	0.000	0.000	0.000	06/04/2020	12:15
2	CAL2	0.01	1	100	100		2.06	0.000	0.008	0.008	06/04/2020	12:16
3	CAL3	0.025	1	100	100		2.03	0.000	0.020	0.020	06/04/2020	12:17
4	CAL4	0.05	1	100	100		2.05	0.000	0.039	0.039	06/04/2020	12:18
5	CAL5	0.1	1	100	100		2.07	0.000	0.078	0.078	06/04/2020	12:19
6	CAL6	0.5	1	100	100		2.08	0.000	0.398	0.398	06/04/2020	12:20
7	CAL7	1	1	100	100		2.09	0.000	0.798	0.798	06/04/2020	12:21

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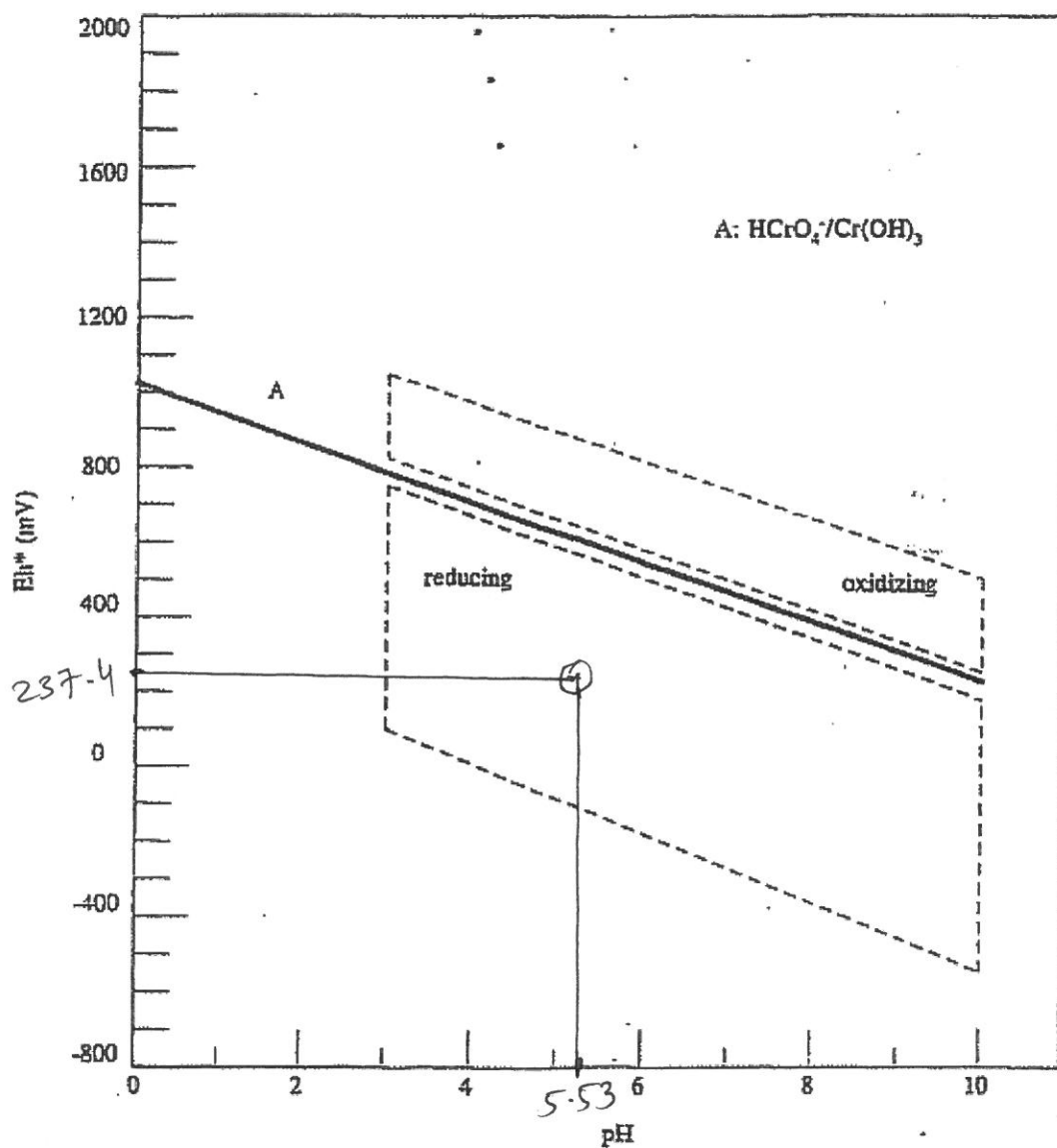
pH Meter ID: WC pH Meter-1

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		2.08	0.000	0.382	0.382	0.479	06/04/2020	12:22
2	ICB		1	100	100		2.07	0.000	0.000	0.000	0.001	06/04/2020	12:23
3	CCV1	0.5	1	100	100		2.06	0.000	0.377	0.377	0.473	06/04/2020	12:24
4	CCB1		1	100	100		2.05	0.000	0.000	0.000	0.001	06/04/2020	12:25
5	lb109429BL		1	100	100		2.04	0.000	0.000	0.000	0.001	06/04/2020	12:26
6	lb109429BS	0.5	1	100	100		2.03	0.000	0.394	0.394	0.494	06/04/2020	12:27
7	L2888-01		1	100	100		2.09	0.001	3.383	3.382	4.238	06/04/2020	12:28
8	L2888-01DUP		1	100	100		2.08	0.000	3.382	3.382	4.238	06/04/2020	12:29
9	L2888-01MS	1	2	100	100		2.04	0.002	3.385	3.383	4.239	06/04/2020	12:30
10	L2888-01MSD	1	2	100	100		2.06	0.002	3.386	3.384	4.240	06/04/2020	12:31
11	L2888-02		1	100	100		2.05	0.004	3.416	3.412	4.275	06/04/2020	12:32
12	L2888-01		20	100	100		2.09	0.001	0.487	0.486	0.610	06/04/2020	12:33
13	L2888-02		100	100	100		2.05	0.001	0.351	0.350	0.439	06/04/2020	12:34
14	CCV2	0.5	1	100	100		2.04	0.000	0.375	0.375	0.471	06/04/2020	12:35
15	CCB2		1	100	100		2.08	0.000	0.000	0.000	0.001	06/04/2020	12:36

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.

L 2888-01

PH = ~~2888~~ = 01

Eh = 237.4

KS

KS

WORKLIST(Hardcopy Internal Chain)

LB109429

WorkList Name : hex6420 WorkList ID : 139305 Department : Wet-Chemistry Date : 06-04-2020 09:32:19

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
06/18/2020	Water	L2888-01	Hexavalent Chromium C	Cool 4 deg C	JACO05	O41	EPA-EW-01-OB-06032020	06/03/2020	7196A
06/18/2020	Water	L2888-02	Hexavalent Chromium C	Cool 4 deg C	JACO05	O41	EPA-EW-03-OB-06032020	06/03/2020	7196A

Date/Time 06/04/2020 11:30
 Received by: KS
 Relinquished by: AM

Date/Time 06/04/2020 12:45
 Received by: AM
 Relinquished by: KS