

Analytical Summary Report

Analysis Method: 7196A

ANALYST: ketankumar

Parameter: SPLP Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB115832

pH Meter ID: WC pH Meter-1

Reagent/Standard	Lot/Log #
Calibration Std. hexchrome 0.1 ppm	WP92505
Calibration Std. hexchrome 0.05 ppm	WP92506
calibration std. hexchrome 0.01 ppm	WP92507
calibration std. hexchrome 0 ppm	WP92509
hexavalent chromium color reagent	WP92459
5N sulfuric acid	WP90754
HNO3 Hex-Chrome, 5M	WP90753
Hexchrome Cleaning Solution	WP89916
Calibration Std Hexachrome 0.025 ppm	WP92508
Hexavalent Chromium ICV-LCS Std	WP92510
Calibration and CCV std HexChrome 0.5PPM	WP92504
Calibration std HexChrome 1.0PPM	WP92503

Intercept: -0.0007

Slope: 0.7809

Regression: 0.999995

Seq	Lab ID	True Value (mg/l)	DF	Initial Vol (ml)	Final Vol (ml)	pH HNO3	pH H2SO4	Absorb.at 540nm		Absorbance Difference	Result (mg/L)	%D	Anal Date	Anal Time
								Backgrnd	Color					
1	CAL1	0	1	100	100		2.28	0.000	0.000	0.000	0.000		08/13/2021	08:35
2	CAL2	0.01	1	100	100		2.10	0.000	0.006	0.006	0.008	20	08/13/2021	08:36
3	CAL3	0.025	1	100	100		2.35	0.000	0.018	0.018	0.023	8	08/13/2021	08:37
4	CAL4	0.05	1	100	100		2.35	0.000	0.038	0.038	0.049	2	08/13/2021	08:38
5	CAL5	0.1	1	100	100		2.40	0.000	0.079	0.079	0.102	-2	08/13/2021	08:39
6	CAL6	0.5	1	100	100		2.25	0.000	0.390	0.390	0.500	0	08/13/2021	08:40
7	CAL7	1	1	100	100		2.34	0.000	0.780	0.780	0.999	0.1	08/13/2021	08:41

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pH Meter ID: WC pH Meter-1

Seq	Lab ID	True Value	DF	Initial Vol (ml/gm)	Final Vol (ml)	pH HN03	pH H2SO4	Absorb.at540nm		Absorbance Difference	Intermediate Result (mg/L)	Anal Date	Anal Time
								Backgrnd	Color				
1	ICV	0.5	1	100	100		2.09	0.000	0.391	0.391	0.502	08/13/2021	08:42
2	ICB		1	100	100		1.88	0.000	0.000	0.000	0.001	08/13/2021	08:43
3	CCV1	0.5	1	100	100		2.09	0.000	0.385	0.385	0.494	08/13/2021	10:35
4	CCB1		1	100	100		2.10	0.000	0.000	0.000	0.001	08/13/2021	10:36
5	RL Check	0.01	1	100	100		1.96	0.000	0.008	0.008	0.011	08/13/2021	10:37
6	lb115832BL		1	100	100		1.74	0.000	0.000	0.000	0.001	08/13/2021	10:38
7	lb115832BS	0.5	1	100	100		1.85	0.000	0.405	0.405	0.520	08/13/2021	10:39
8	M3343-10		1	100	100		1.74	0.004	0.004	0.000	0.001	08/13/2021	10:40
9	M3343-10DU		1	100	100		2.15	0.003	0.003	0.000	0.001	08/13/2021	10:41
10	M3343-10MS	1	2	100	100		2.34	0.003	0.009	0.006	0.009	08/13/2021	10:42
11	M3343-10MS	1	2	100	100		2.28	0.004	0.010	0.006	0.009	08/13/2021	10:43
12	CCV2	0.5	1	100	100		2.41	0.000	0.389	0.389	0.499	08/13/2021	10:44
13	CCB2		1	100	100		2.30	0.000	0.000	0.000	0.001	08/13/2021	10:45

WORKLIST(Hardcopy Internal Chain)

LB 115832

WorkList Name : splphex81221 WorkList ID : 151350 Department : Wet-Chemistry Date : 08-12-2021 08:59:38

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
08/23/2021	Solid	M3343-10	SPLP Hexavalent Chron	Cool 4 deg C	AQUA04	D11	SPLP-AMENDED-COM-5	08/03/2021	7196A

Date/Time N/A
 Raw Sample Received by: 11
 Raw Sample Relinquished by: 11

Date/Time N/A
 Raw Sample Received by: 11
 Raw Sample Relinquished by: 11

CHEMTECH

SOP ID: M3060A.7196A-Hex.Chromium

Effective Date: February 16, 2021

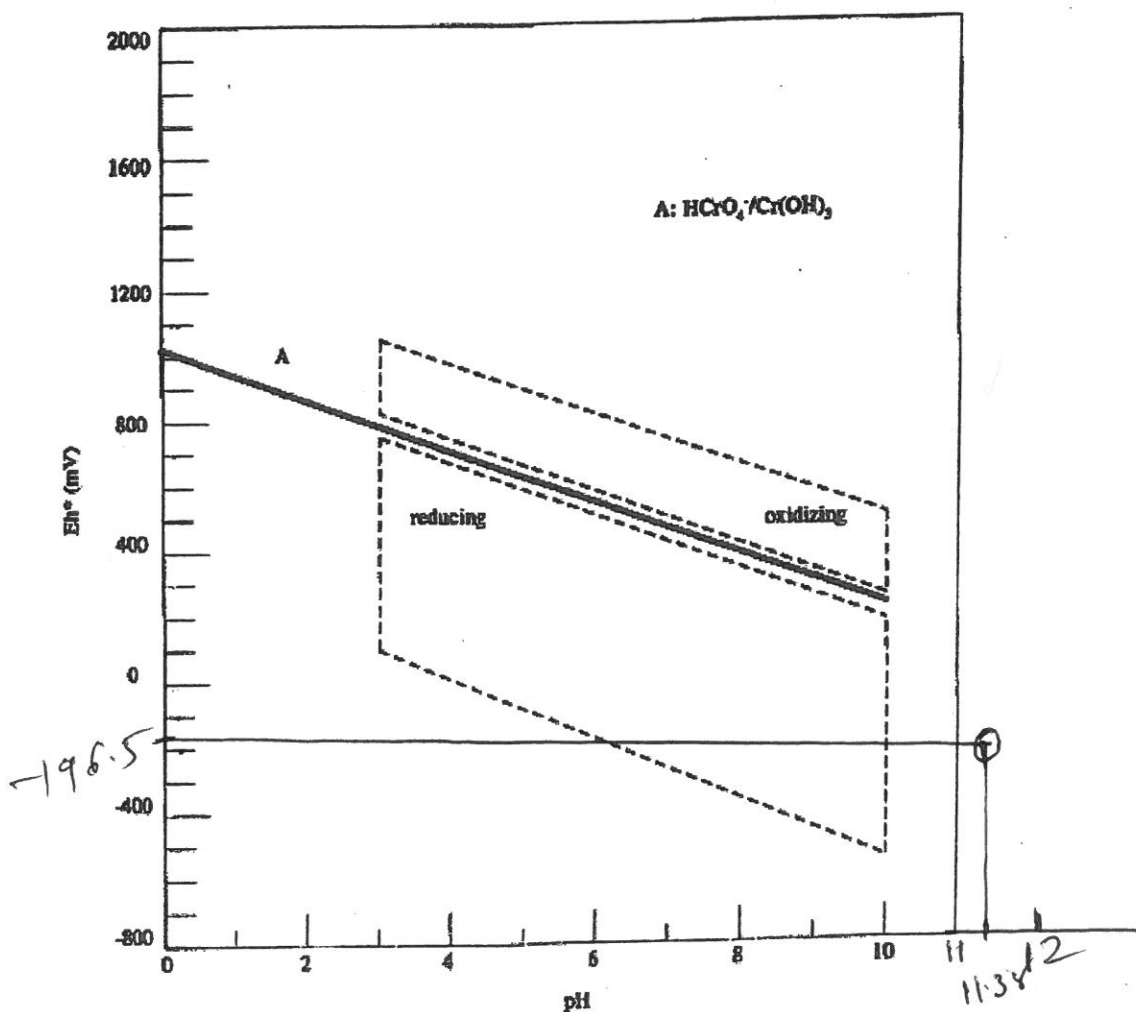
Revision #25

QA Control Code: A2040051

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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.