

Analytical Summary Report

Analysis Method: 7196A

ANALYST: ketankumar

Parameter: SPLP Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB115753

pH Meter ID: WC pH Meter-1

Reagent/Standard	Lot/Log #
Calibration Std. hexchrome 0.1 ppm	WP92427
Calibration Std. hexchrome 0.05 ppm	WP92431
calibration std. hexchrome 0.01 ppm	WP92432
calibration std. hexchrome 0 ppm	WP92428
hexavalent chromium color reagent	WP92357
5N sulfuric acid	WP90754
HNO3 Hex-Chrome, 5M	WP90753
Hexchrome Cleaning Solution	WP89916
Calibration Std Hexachrome 0.025 ppm	WP92430
Hexavalent Chromium ICV-LCS Std	WP92429
Calibration and CCV std HexChrome 0.5PPM	WP92426
Calibration std HexChrome 1.0PPM	WP92425

Intercept: -0.0008

Slope: 0.7818

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		2.08	0.000	0.000	0.000	0.001		08/09/2021	14:05
2	CAL2	0.01	1	100	100		1.95	0.000	0.006	0.006	0.008	20	08/09/2021	14:06
3	CAL3	0.025	1	100	100		1.76	0.000	0.018	0.018	0.024	4	08/09/2021	14:07
4	CAL4	0.05	1	100	100		1.82	0.000	0.038	0.038	0.049	2	08/09/2021	14:08
5	CAL5	0.1	1	100	100		2.15	0.000	0.079	0.079	0.102	-2	08/09/2021	14:09
6	CAL6	0.5	1	100	100		2.34	0.000	0.390	0.390	0.499	0.2	08/09/2021	14:10
7	CAL7	1	1	100	100		2.28	0.000	0.781	0.781	1	0	08/09/2021	14:11



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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		2.16	0.000	0.389	0.389	0.499	08/09/2021	14:12
2	ICB		1	100	100		2.07	0.000	0.000	0.000	0.001	08/09/2021	14:13
3	CCV1	0.5	1	100	100		1.98	0.000	0.390	0.390	0.500	08/09/2021	14:14
4	CCB1		1	100	100		1.75	0.000	0.000	0.000	0.001	08/09/2021	14:15
5	RL Check	0.01	1	100	100		1.80	0.000	0.009	0.009	0.013	08/09/2021	14:16
6	lb115753BL		1	100	100		2.34	0.000	0.000	0.000	0.001	08/09/2021	14:17
7	lb115753BS	0.5	1	100	100		2.19	0.000	0.404	0.404	0.518	08/09/2021	14:18
8	M3279-10		1	100	100		2.25	0.003	0.003	0.000	0.001	08/09/2021	14:19
9	M3279-10DU		1	100	100		2.34	0.002	0.002	0.000	0.001	08/09/2021	14:20
10	M3279-10MS	1	2	100	100		2.18	0.002	0.005	0.003	0.005	08/09/2021	14:21
11	M3279-10MS	1	2	100	100		2.04	0.003	0.006	0.003	0.005	08/09/2021	14:22
12	M3318-05		1	100	100		1.88	0.006	0.006	0.000	0.001	08/09/2021	14:23
13	CCV2	0.5	1	100	100		1.75	0.000	0.391	0.391	0.501	08/09/2021	14:24
14	CCB2		1	100	100		1.95	0.000	0.000	0.000	0.001	08/09/2021	14:25

CHEMTECH

SOP ID: M3060A.7196A-Hex.Chromium

Revision #25

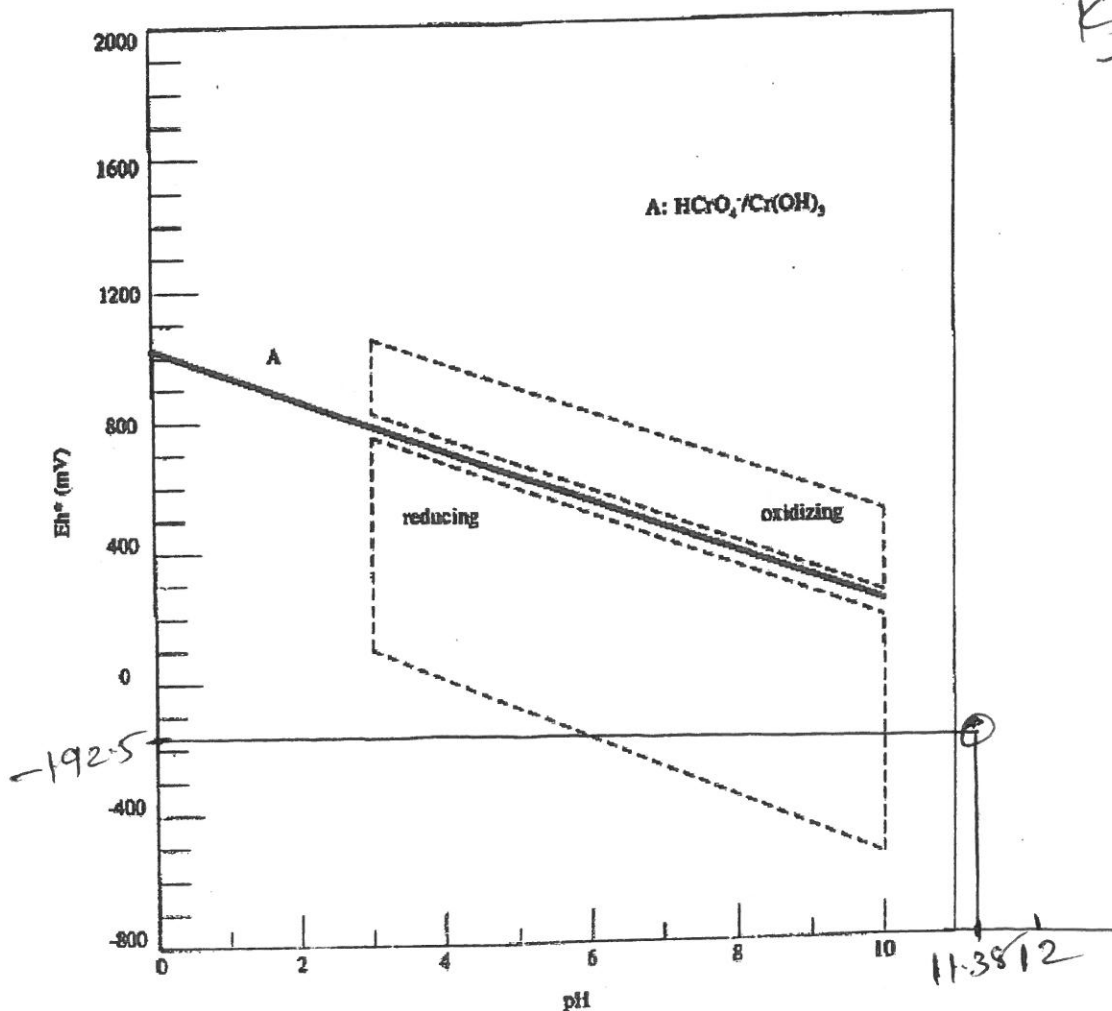
QA Control Code: A2040051

Effective Date: February 16, 2021

Page 13 of 13

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.

WORKLIST(Hardcopy Internal Chain)

LB 115753

WorkList Name : splphex8621 WorkList ID : 151248 Department : Wet-Chemistry Date : 08-06-2021 15:43:44

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
08/17/2021	Solid	M3279-10	SPLP Hexavalent Chron	Cool 4 deg C	AQUA04	L11	SPLP-AMENDED-COM-3	07/28/2021	7196A
08/20/2021	Solid	M3318-05	SPLP Hexavalent Chron	Cool 4 deg C	AQUA04	L11	SPLP-AMENDED-COM-9	07/30/2021	7196A

Date/Time 4/1A
 Raw Sample Received by: u
 Raw Sample Relinquished by: u

Date/Time 4/1A
 Raw Sample Received by: u
 Raw Sample Relinquished by: u