

Analytical Summary Report

Analysis Method: 7196A

ANALYST: ketankumar

Parameter: SPLP Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB115422

pH Meter ID: WC pH Meter-1

Reagent/Standard	Lot/Log #
Calibration Std. hexchrome 0.1 ppm	WP92103
Calibration Std. hexchrome 0.05 ppm	WP92104
calibration std. hexchrome 0.01 ppm	WP92105
calibration std. hexchrome 0 ppm	WP92106
hexavalent chromium color reagent	WP92054
5N sulfuric acid	WP90754
HNO3 Hex-Chrome, 5M	WP90753
Hexchrome Cleaning Solution	WP89916
Calibration Std Hexachrome 0.025 ppm	WP92108
Hexavalent Chromium ICV-LCS Std	WP92107
Calibration and CCV std HexChrome 0.5PPM	WP92102
Calibration std HexChrome 1.0PPM	WP92101

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		2.10	0.000	0.000	0.000	0.000		07/19/2021	12:10
2	CAL2	0.01	1	100	100		1.98	0.000	0.006	0.006	0.008	20	07/19/2021	12:11
3	CAL3	0.025	1	100	100		1.74	0.000	0.018	0.018	0.023	8	07/19/2021	12:12
4	CAL4	0.05	1	100	100		2.08	0.000	0.038	0.038	0.049	2	07/19/2021	12:13
5	CAL5	0.1	1	100	100		2.34	0.000	0.079	0.079	0.102	-2	07/19/2021	12:14
6	CAL6	0.5	1	100	100		2.25	0.000	0.390	0.390	0.500	0	07/19/2021	12:15
7	CAL7	1	1	100	100		2.19	0.000	0.780	0.780	0.999	0.1	07/19/2021	12:16



Analytical Summary Report

Analysis Method: 7196A

ANALYST: ketankumar

Parameter: SPLP Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB115422

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		2.15	0.000	0.391	0.391	0.502	07/19/2021	12:18
2	ICB		1	100	100		2.09	0.000	0.000	0.000	0.001	07/19/2021	12:19
3	CCV1	0.5	1	100	100		2.30	0.000	0.384	0.384	0.493	07/19/2021	12:20
4	CCB1		1	100	100		2.28	0.000	0.000	0.000	0.001	07/19/2021	12:21
5	RL Check	0.01	1	100	100		2.15	0.000	0.008	0.008	0.011	07/19/2021	12:22
6	LB115422BL		1	100	100		1.78	0.000	0.000	0.000	0.001	07/19/2021	12:23
7	LB115422BS	0.5	1	100	100		1.98	0.000	0.402	0.402	0.516	07/19/2021	12:24
8	M3076-04		1	100	100		1.85	0.000	0.000	0.000	0.001	07/19/2021	12:25
9	M3076-04DU		1	100	100		1.74	0.000	0.000	0.000	0.001	07/19/2021	12:26
10	M3076-04MS	1	2	100	100		1.95	0.000	0.001	0.001	0.002	07/19/2021	12:27
11	M3076-04MS	1	2	100	100		2.08	0.000	0.002	0.002	0.003	07/19/2021	12:28
12	CCV2	0.5	1	100	100		1.98	0.000	0.392	0.392	0.503	07/19/2021	12:29
13	CCB2		1	100	100		1.74	0.000	0.000	0.000	0.001	07/19/2021	12:30

WORKLIST(Hardcopy Internal Chain)

LB115422

WorkList Name : SPLPHEX71921 WorkList ID : 150683 Department : Distillation Date : 07-19-2021 11:25:47

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
07/30/2021	Solid	M3076-04	SPLP Hexavalent Chron	Cool 4 deg C	AQUA04	L33	20210587-AMENDED-CC	07/08/2021	7196A

Date/Time HIA
 Raw Sample Received by: 11
 Raw Sample Relinquished by: 11

Date/Time HIA
 Raw Sample Received by: 11
 Raw Sample Relinquished by: 11

CHEMTECH

SOP ID: M3060A.7196A-Hex.Chromium

Revision #25

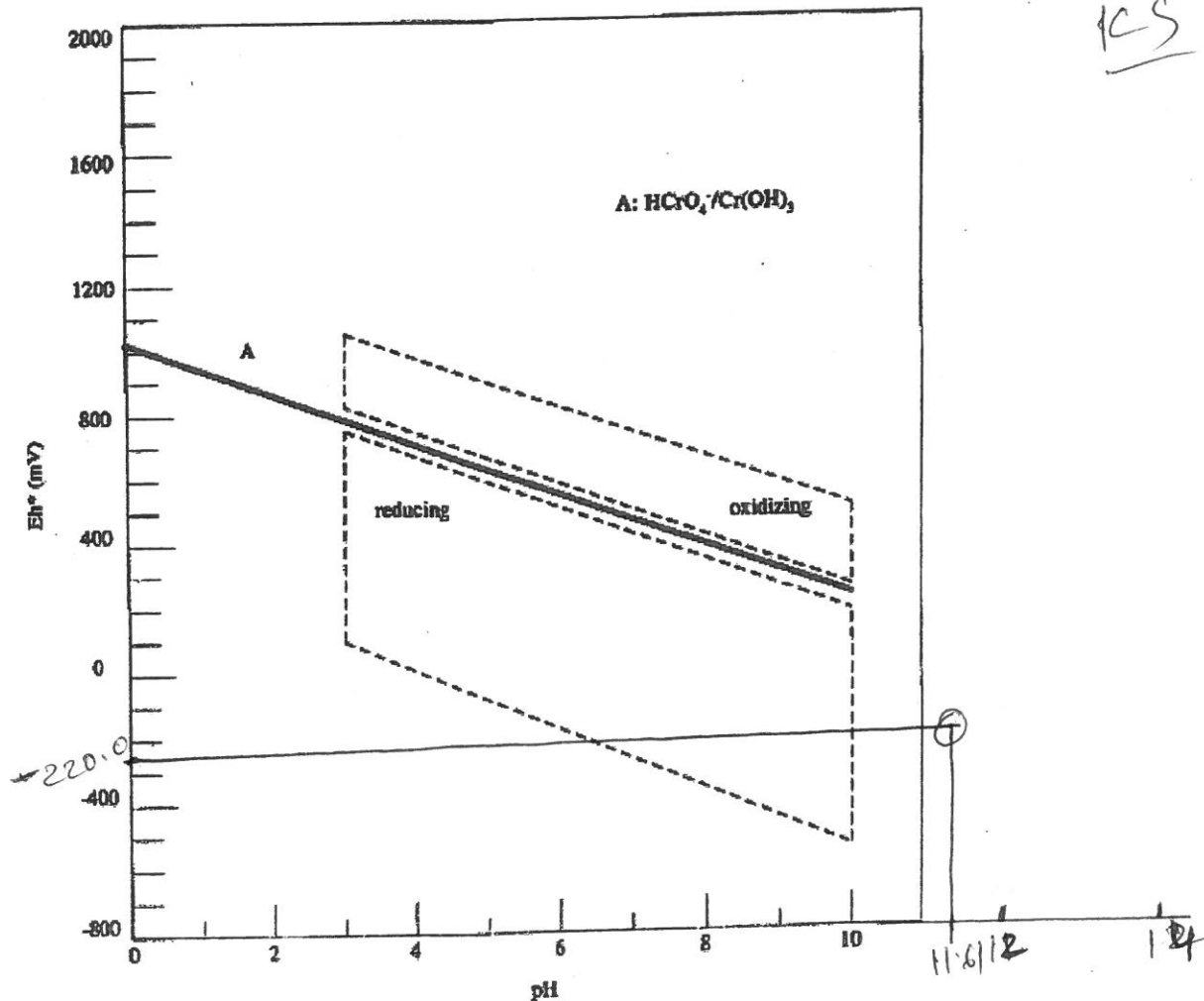
QA Control Code: A2040051

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.