

Analytical Summary Report

Analysis Method: 7196A

ANALYST: ketankumar

Parameter: SPLP Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB115608

pH Meter ID: WC pH Meter-1

Reagent/Standard	Lot/Log #
Calibration Std. hexchrome 0.1 ppm	WP92263
Calibration Std. hexchrome 0.05 ppm	WP92264
calibration std. hexchrome 0.01 ppm	WP92265
calibration std. hexchrome 0 ppm	WP92267
hexavalent chromium color reagent	WP92178
5N sulfuric acid	WP90754
HNO3 Hex-Chrome, 5M	WP90753
Hexchrome Cleaning Solution	WP89916
Calibration Std Hexachrome 0.025 ppm	WP92266
Hexavalent Chromium ICV-LCS Std	WP92268
Calibration and CCV std HexChrome 0.5PPM	WP92262
Calibration std HexChrome 1.0PPM	WP92261

Intercept: -0.0008

Slope: 0.7827

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	0.001		07/29/2021	12:05
2	CAL2	0.01	1	100	100		2.25	0.000	0.006	0.006	0.008	20	07/29/2021	12:06
3	CAL3	0.025	1	100	100		2.30	0.000	0.018	0.018	0.024	4	07/29/2021	12:07
4	CAL4	0.05	1	100	100		1.95	0.000	0.038	0.038	0.049	2	07/29/2021	12:08
5	CAL5	0.1	1	100	100		1.85	0.000	0.079	0.079	0.101	-1	07/29/2021	12:09
6	CAL6	0.5	1	100	100		1.74	0.000	0.390	0.390	0.499	0.2	07/29/2021	12:10
7	CAL7	1	1	100	100		2.08	0.000	0.782	0.782	1.000	0	07/29/2021	12:11



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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		2.09	0.000	0.380	0.380	0.487	07/29/2021	12:12
2	ICB		1	100	100		1.98	0.000	0.000	0.000	0.001	07/29/2021	12:13
3	CCV1	0.5	1	100	100		1.74	0.000	0.379	0.379	0.485	07/29/2021	12:15
4	CCB1		1	100	100		1.85	0.000	0.000	0.000	0.001	07/29/2021	12:16
5	RL Check	0.01	1	100	100		1.88	0.000	0.008	0.008	0.011	07/29/2021	12:17
6	lb115608BL		1	100	100		1.96	0.000	0.000	0.000	0.001	07/29/2021	12:18
7	lb115608BS	0.5	1	100	100		2.09	0.000	0.364	0.364	0.466	07/29/2021	12:19
8	M3206-05		1	100	100		2.14	0.007	0.007	0.000	0.001	07/29/2021	12:20
9	M3206-05DU		1	100	100		2.36	0.006	0.006	0.000	0.001	07/29/2021	12:21
10	M3206-05MS	1	2	100	100		2.28	0.006	0.010	0.004	0.006	07/29/2021	12:22
11	M3206-05MS	1	2	100	100		2.10	0.007	0.011	0.004	0.006	07/29/2021	12:23
12	M3216-11		1	100	100		2.26	0.008	0.008	0.000	0.001	07/29/2021	12:24
13	CCV2	0.5	1	100	100		2.34	0.000	0.381	0.381	0.488	07/29/2021	12:25
14	CCB2		1	100	100		2.23	0.000	0.000	0.000	0.001	07/29/2021	12:25

WORKLIST(Hardcopy Internal Chain)

WorkList Name : SPLPHEX72921

WorkList ID : 151002

Department : Distillation

Date : 07-29-2021 09:54:37

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
08/09/2021	Solid	M3206-05	SPLP Hexavalent Chron	Cool 4 deg C	AQUA04	L62	SPLP-LEACHATE-AMEN	07/15/2021	7196A
08/10/2021	Solid	M3216-11	SPLP Hexavalent Chron	Cool 4 deg C	AQUA04	L63	SPLP-LEACHATE-AMEN	07/15/2021	7196A

Date/Time 7/11/21
 Raw Sample Received by: 11
 Raw Sample Relinquished by: 11

Date/Time 7/11/21
 Raw Sample Received by: 11
 Raw Sample Relinquished by: 11

CHEMTECH

SOP ID: M3060A.7196A-Hex.Chromium

Revision #25

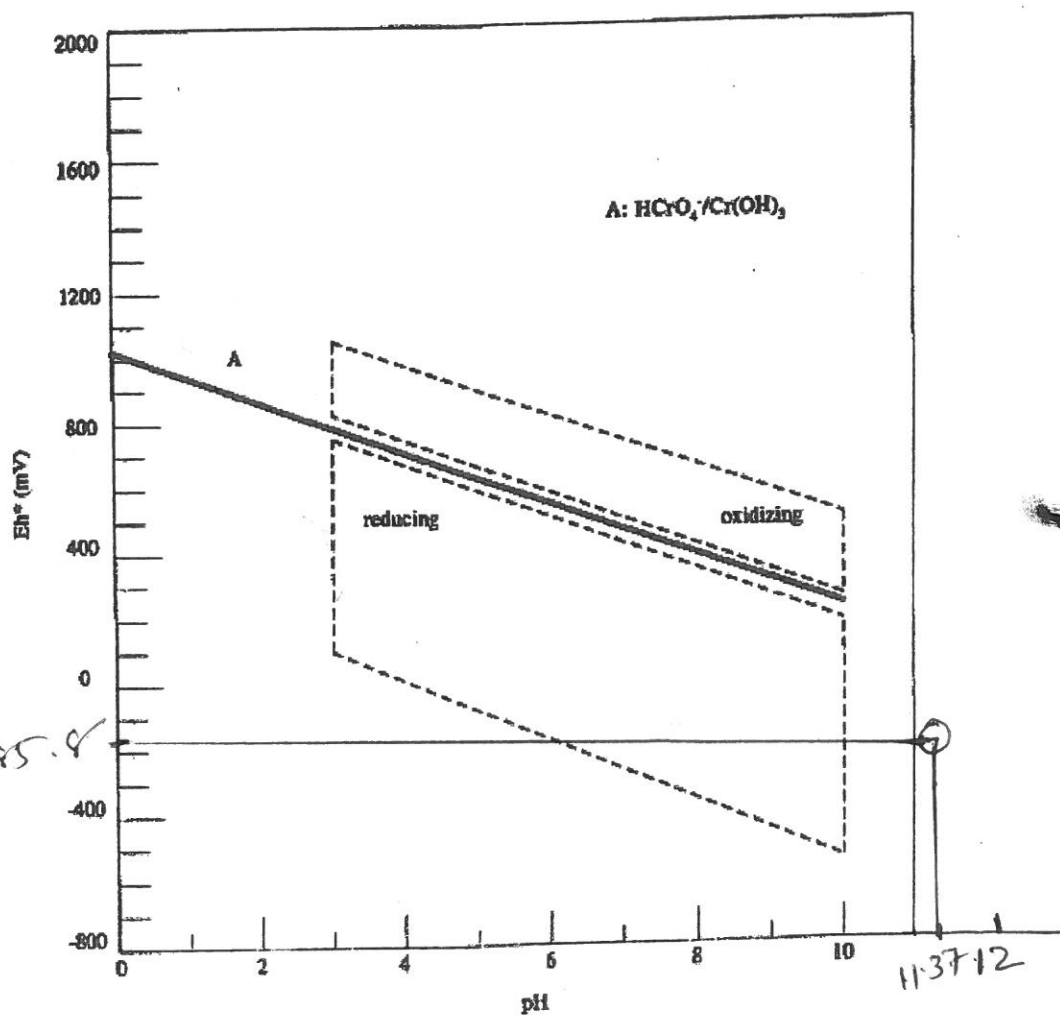
QA Control Code: A2040051

Effective Date: February 16, 2021

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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.