

Analytical Summary Report

Analysis Method: 7196A

ANALYST: ketankumar

Parameter: SPLP Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB115492

pH Meter ID: WC pH Meter-1

Reagent/Standard	Lot/Log #
Calibration Std. hexchrome 0.1 ppm	WP92172
Calibration Std. hexchrome 0.05 ppm	WP92173
calibration std. hexchrome 0.01 ppm	WP92174
calibration std. hexchrome 0 ppm	WP92175
hexavalent chromium color reagent	WP92178
5N sulfuric acid	WP90754
HNO3 Hex-Chrome, 5M	WP90753
Hexchrome Cleaning Solution	WP89916
Calibration Std Hexachrome 0.025 ppm	WP92177
Hexavalent Chromium ICV-LCS Std	WP92176
Calibration and CCV std HexChrome 0.5PPM	WP92171
Calibration std HexChrome 1.0PPM	WP92170

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		07/23/2021	10:15
2	CAL2	0.01	1	100	100		1.98	0.000	0.006	0.006	0.008	20	07/23/2021	10:16
3	CAL3	0.025	1	100	100		1.74	0.000	0.018	0.018	0.024	4	07/23/2021	10:17
4	CAL4	0.05	1	100	100		1.96	0.000	0.038	0.038	0.049	2	07/23/2021	10:18
5	CAL5	0.1	1	100	100		2.09	0.000	0.079	0.079	0.102	-2	07/23/2021	10:19
6	CAL6	0.5	1	100	100		1.88	0.000	0.390	0.390	0.499	0.2	07/23/2021	10:20
7	CAL7	1	1	100	100		1.75	0.000	0.781	0.781	1	0	07/23/2021	10:21



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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		2.10	0.000	0.390	0.390	0.500	07/23/2021	10:22
2	ICB		1	100	100		1.98	0.000	0.000	0.000	0.001	07/23/2021	10:23
3	CCV1	0.5	1	100	100		1.74	0.000	0.389	0.389	0.499	07/23/2021	10:24
4	CCB1		1	100	100		1.85	0.000	0.000	0.000	0.001	07/23/2021	10:25
5	RL Check	0.01	1	100	100		2.09	0.000	0.008	0.008	0.011	07/23/2021	10:26
6	lb115492BL		1	100	100		2.34	0.000	0.000	0.000	0.001	07/23/2021	10:27
7	lb115492BS	0.5	1	100	100		2.25	0.000	0.402	0.402	0.515	07/23/2021	10:28
8	M3114-07		1	100	100		2.19	0.003	0.003	0.000	0.001	07/23/2021	10:29
9	M3114-07DU		1	100	100		2.07	0.004	0.004	0.000	0.001	07/23/2021	10:30
10	M3114-07MS	1	2	100	100		1.85	0.002	0.005	0.003	0.005	07/23/2021	10:31
11	M3114-07MS	1	2	100	100		2.34	0.003	0.006	0.003	0.005	07/23/2021	10:32
12	M3118-05		1	100	100		2.41	0.001	0.001	0.000	0.001	07/23/2021	10:33
13	CCV2	0.5	1	100	100		2.29	0.000	0.391	0.391	0.501	07/23/2021	10:34
14	CCB2		1	100	100		2.18	0.000	0.000	0.000	0.001	07/23/2021	10:35

WORKLIST(Hardcopy Internal Chain)

LB115492

WorkList Name : splphex72321 WorkList ID : 150830 Department : Distillation Date : 07-23-2021 09:31:40

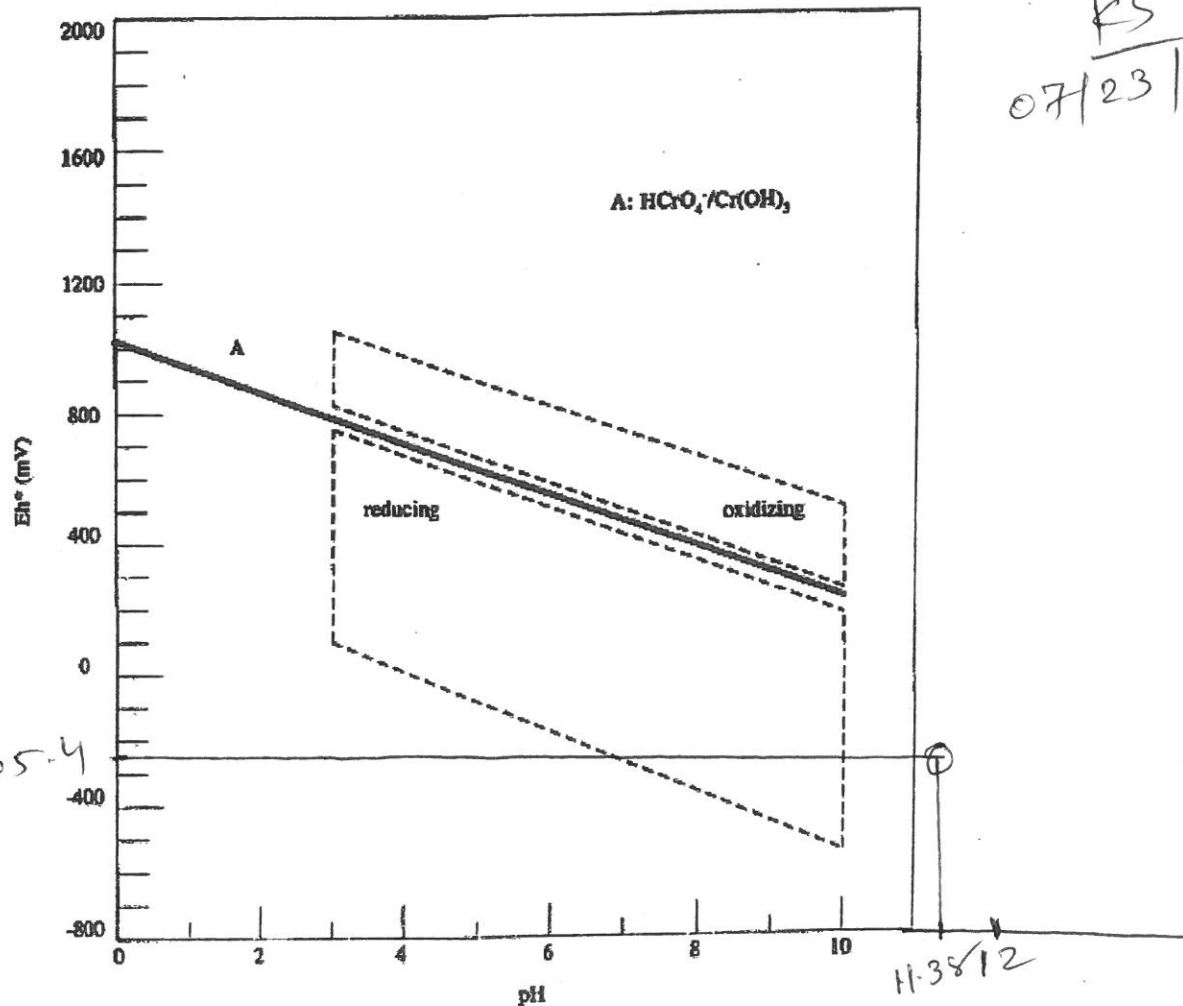
Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
08/02/2021	Solid	M3114-07	SPLP Hexavalent Chron	Cool 4 deg C	AQUA04	L11	20210594-AMENDED-CC	07/15/2021	7196A
08/03/2021	Solid	M3118-05	SPLP Hexavalent Chron	Cool 4 deg C	AQUA04	L51	20210588-SPLP-AMENDI	07/12/2021	7196A

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

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

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.