CHEMTECH

Analytical Summary Report

Analysis Method: 7196A
ANALYST: ketankumar
Parameter: SPLP Hexavalent Chromium
SUPERVISOR REVIEW BY: apatel
Run Number: LB115679
pH Meter ID: WC pH Meter-1

Reagent/Standard	Lot/Log #
Calibration Std. hexchrome 0.1 ppm	WP92361
Calibration Std. hexchrome 0.05 ppm	WP92362
calibration std. hexchrome 0.01 ppm	WP92363
calibration std. hexchrome 0 ppm	WP92364
hexavalent chromium color reagent	WP92357
5N sulfuric acid	WP90754
HNO3 Hex-Chrome, 5M	WP90753
Hexchrome Cleaning Solution	WP89916
Calibration Std Hexachrome 0.025 ppm	WP92366
Hexavalent Chromium ICV-LCS Std	WP92365
Calibration and CCV std HexChrome 0.5PPM	WP92360
Calibration std HexChrome 1.0PPM	WP92359

Intercept: -0.0007 **Slope:** 0.7821 **Regression:** 0.999995

Seq	Lab ID	True Value (mg/l)	DF	Initial Vol (ml)	Final Vol (ml)	pH HN03	pH H2SO4	Absorb.at 540nm		Absorbance Difference	Result (mg/L)	%D	Anal Date	Anal Time
								Backgrnd	Color					
1	CAL1	0	1	100	100		2.09	0.000	0.000	0.000	0.000		08/03/2021	10:15
2	CAL2	0.01	1	100	100		1.89	0.000	0.006	0.006	0.008	20	08/03/2021	10:16
3	CAL3	0.025	1	100	100		1.79	0.000	0.018	0.018	0.023	8	08/03/2021	10:17
4	CAL4	0.05	1	100	100		2.10	0.000	0.038	0.038	0.049	2	08/03/2021	10:18
5	CAL5	0.1	1	100	100		2.35	0.000	0.079	0.079	0.101	-1	08/03/2021	10:19
6	CAL6	0.5	1	100	100		2.25	0.000	0.391	0.391	0.500	0	08/03/2021	10:20
7	CAL7	1	1	100	100		1.90	0.000	0.781	0.781	0.999	0.1	08/03/2021	10:21

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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		2.34	0.000	0.391	0.391	0.501	08/03/2021	10:25
2	ICB		1	100	100		2.16	0.000	0.000	0.000	0.001	08/03/2021	10:26
3	CCV1	0.5	1	100	100		2.25	0.000	0.389	0.389	0.498	08/03/2021	10:27
4	CCB1		1	100	100		2.09	0.000	0.000	0.000	0.001	08/03/2021	10:28
5	RL Check	0.01	1	100	100		1.98	0.000	0.008	0.008	0.011	08/03/2021	10:29
6	LB115679BL		1	100	100		1.74	0.000	0.000	0.000	0.001	08/03/2021	10:30
7	LB115679BS	0.5	1	100	100		1.85	0.000	0.402	0.402	0.515	08/03/2021	10:31
8	M3241-03		1	100	100		2.08	0.004	0.004	0.000	0.001	08/03/2021	10:32
9	M3241-03DU		1	100	100		1.98	0.005	0.005	0.000	0.001	08/03/2021	10:33
10	M3241-03MS	1	2	100	100		1.77	0.005	0.007	0.002	0.003	08/03/2021	10:34
11	M3241-03MS	1	2	100	100		2.09	0.004	0.006	0.002	0.003	08/03/2021	10:35
12	CCV2	0.5	1	100	100		1.76	0.000	0.378	0.378	0.484	08/03/2021	10:36
13	CCB2		1	100	100		2.06	0.000	0.000	0.000	0.001	08/03/2021	10:37

WORKLIST(Hardcopy Internal Chain)

LB 115679

WorkList Name : splphex8321 **WorkList ID :** 151109 **Department :** Wet-Chemistry **Date :** 08-03-2021 08:37:27

Due Date	Matrix	Sample	Test	Preservative	Customer	Raw Sample Storage Location	Customer Sample	Collect Date	Method
08/13/2021	Solid	M3241-03	SPLP Hexavalent Chron	Cool 4 deg C	AQUA04	D21	SPLP-AMENDED-COM-6	07/23/2021	7196A

Date/Time N/A

Raw Sample Received by: 11

Raw Sample Relinquished by: 11

Date/Time N/A

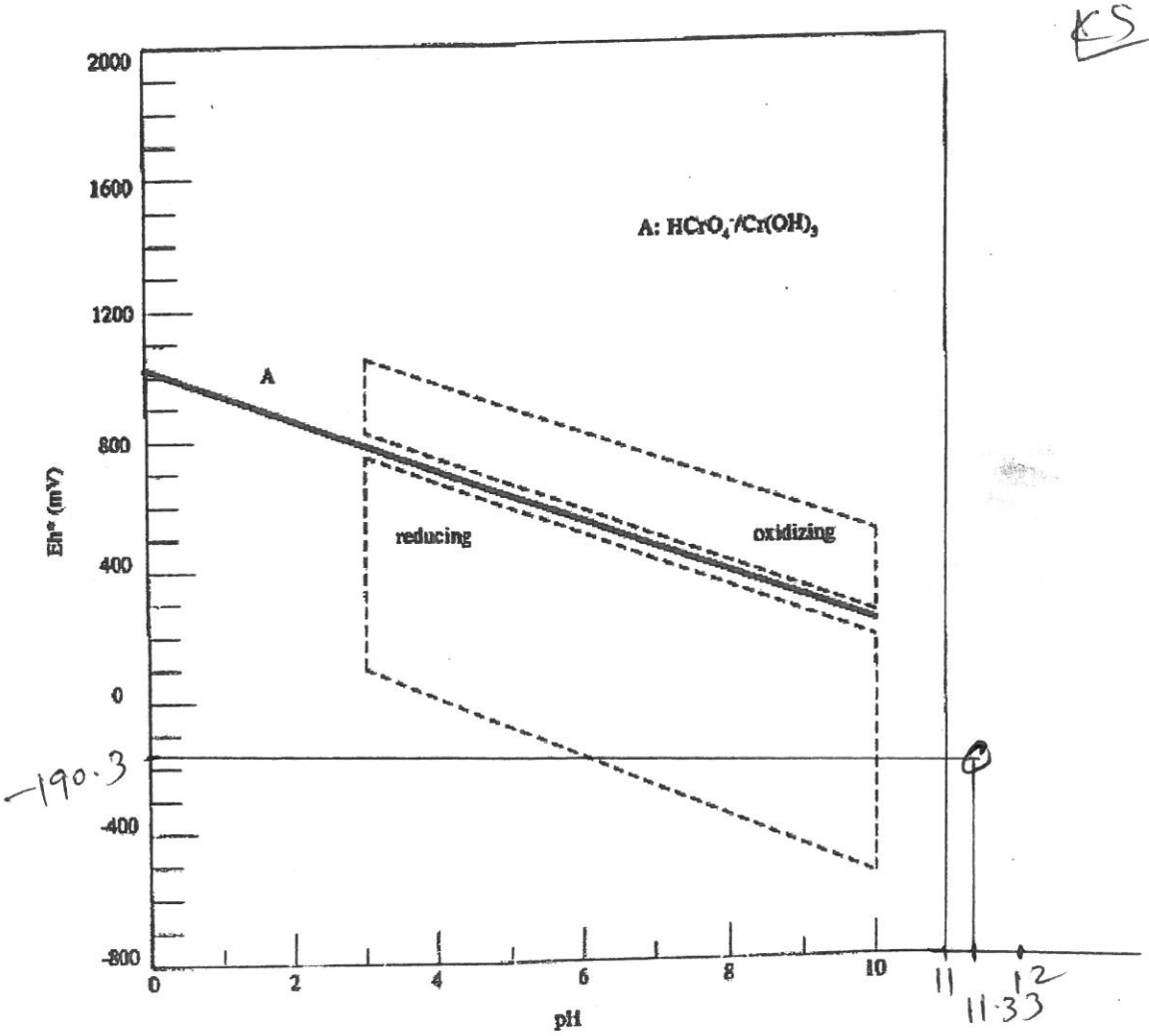
Raw Sample Received by: 11

Raw Sample Relinquished by: 11

M 3241-03
pH = 11.33
Eh = -190.3
KS

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.