



Analytical Summary Report

Analysis Method: 7196A

ANALYST: Aparna

Parameter: SPLP Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB100707

pH Meter ID: WC pH Meter-1

Reagent/Standard	Lot/Log #
5N sulfuric acid	WP70044

Intercept: 0.0001

Slope: 0.7715

Regression: 0.999978

Seq	Lab ID	True Value (mg/l)	DF	Initial Vol (ml/gm)	Final Vol (ml)	pH HN03	pH H2SO4	Absorb. at 540		Absorbance Difference	Anal Date	Anal Time
								Backgrnd	Color			
1	CAL1	0	1	100	100		2.16	0.000	0.000	0.000	02/01/2019	12:00
2	CAL2	0.01	1	100	100		1.98	0.000	0.007	0.007	02/01/2019	12:00
3	CAL3	0.025	1	100	100		2.27	0.000	0.017	0.017	02/01/2019	12:01
4	CAL4	0.05	1	100	100		2.05	0.000	0.039	0.039	02/01/2019	12:01
5	CAL5	0.1	1	100	100		2.44	0.000	0.079	0.079	02/01/2019	12:02
6	CAL6	0.5	1	100	100		1.81	0.000	0.389	0.389	02/01/2019	12:02
7	CAL7	1	1	100	100		1.73	0.000	0.770	0.770	02/01/2019	12:03



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Seq	Lab ID	True Value (mg/l)	DF	Initial Vol (ml/gm)	Final Vol (ml)	pH HN03	pH H2SO4	Absorb. at 540		Absorbance Difference	Result	Anal Date	Anal Time
								Backgrnd	Color				
1	ICV	0.5	1	100	100		2.09	0.000	0.390	0.390	0.505	02/01/2019	12:03
2	ICB		1	100	100		2.21	0.000	0.000	0.000	0.000	02/01/2019	12:04
3	CCV1	0.5	1	100	100		2.14	0.000	0.391	0.391	0.507	02/01/2019	12:04
4	CCB1		1	100	100		1.85	0.000	0.000	0.000	0.000	02/01/2019	12:05
5	LB100707BL		1	100	100	7.00	1.66	0.000	0.000	0.000	0.000	02/01/2019	12:05
6	LB100707BS	0.5	1	100	100	7.00	2.37	0.000	0.368	0.368	0.477	02/01/2019	12:06
7	K1299-08		1	100	100	7.00	2.05	0.007	0.007	0.000	0.000	02/01/2019	12:06
8	K1299-08DUP		1	100	100	7.00	1.91	0.006	0.006	0.000	0.000	02/01/2019	12:07
9	K1299-08MS	1	2	100	100	7.00	1.63	0.008	0.010	0.002	0.002	02/01/2019	12:07
10	K1299-08MSD	1	2	100	100	7.00	2.11	0.009	0.010	0.001	0.001	02/01/2019	12:08
11	K1299-09		1	100	100	7.00	2.40	0.005	0.005	0.000	0.000	02/01/2019	12:08
12	K1299-10		1	100	100	7.00	1.69	0.009	0.009	0.000	0.000	02/01/2019	12:09
13	CCV2	0.5	1	100	100		2.06	0.000	0.391	0.391	0.507	02/01/2019	12:09
14	CCB2		1	100	100		1.74	0.000	0.000	0.000	0.000	02/01/2019	12:10

LB100707

WORKLIST(Hardcopy Internal Chain)

WorkList Name : wHex020119

WorkList ID : 121825

Date : 2/1/2019 10:48:23 AM

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
02/14/2019	Solid	K1299-08	Hexavalent Chromium	Cool 4 deg C	AQUA04	L62	SPLP-LEACH-AMND-COMP-	01/28/2019	7196A
02/14/2019	Solid	K1299-09	Hexavalent Chromium	Cool 4 deg C	AQUA04	L62	SPLP-LEACH-AMND-COMP-	01/28/2019	7196A
02/14/2019	Solid	K1299-10	Hexavalent Chromium	Cool 4 deg C	AQUA04	L62	SPLP-LEACH-AMND-COMP-	01/28/2019	7196A

Date/Time 02/01/19 11:30
Received by: JS
Relinquished by: JS

Date/Time 02/01/19 12:45
Received by: JS
Relinquished by: JS

CHEMTECH

SOP ID: M3060A.7196A-Hex.Chromium

Revision #22

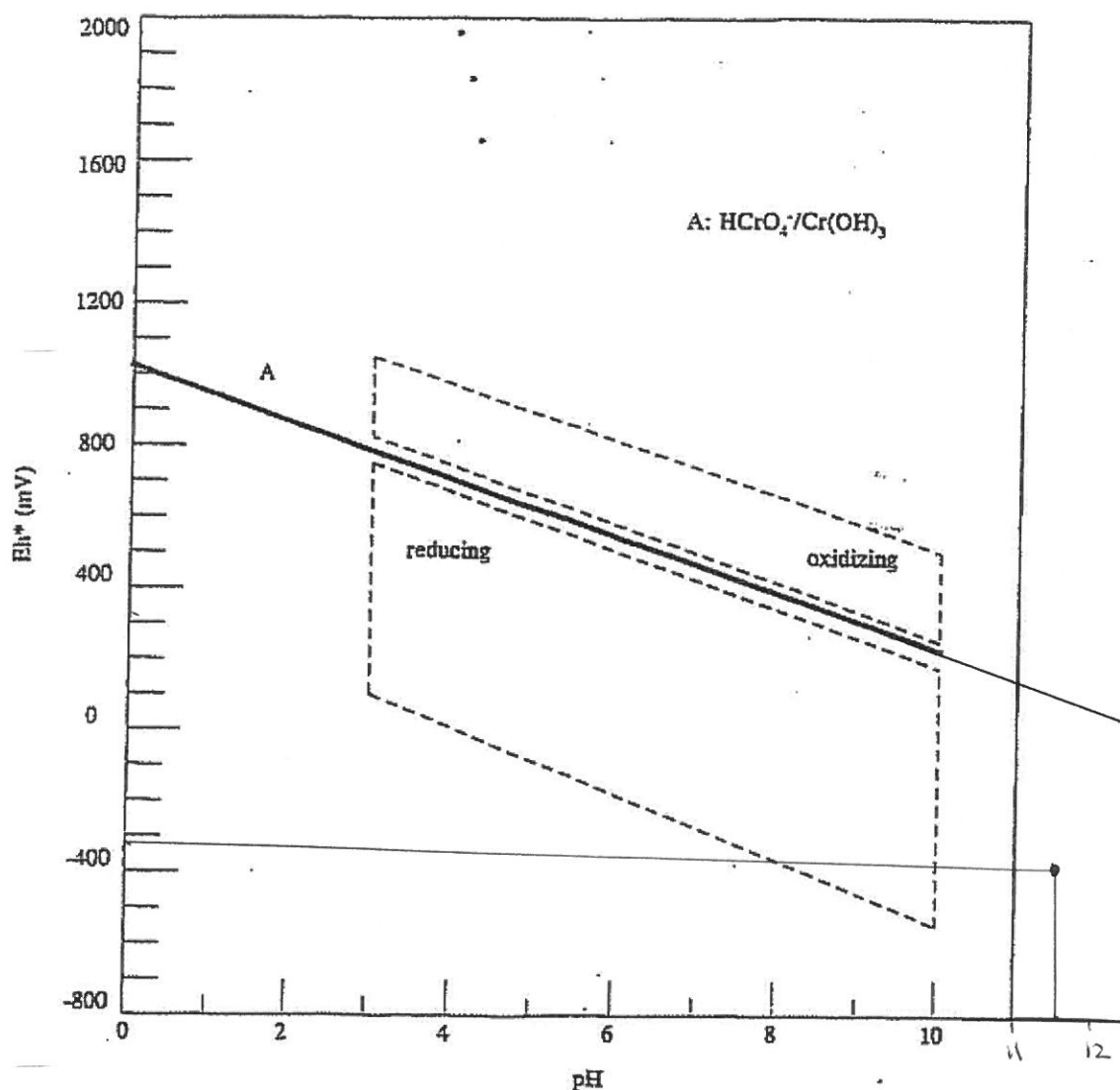
QA Control Code: A2040051

Effective Date: May 25, 2018

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Appendix A**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.