



Analytical Summary Report

Analysis Method: 7196A

ANALYST: Rubina

Parameter: SPLP Hexavalent Chromium

SUPERVISOR REVIEW BY: Iwona

Run Number: LB129640

pH Meter ID: WC pH Meter-1

Reagent/Standard	Lot/Log #
Calibration Std. hexchrome 0.1 ppm	WP106716
Calibration Std. hexchrome 0.05 ppm	WP106715
calibration std. hexchrome 0.01 ppm	WP106713
calibration std. hexchrome 0 ppm	WP106712
hexavalent chromium color reagent	WP106720
5N sulfuric acid	WP105081
HNO3 Hex-Chrome, 5M	
Hexchrome Cleaning Solution	
Calibration Std Hexachrome 0.025 ppm	WP106714
Hexavalent Chromium ICV-LCS Std	WP106719
Calibration and CCV std HexChrome 0.5PPM	WP106717
Calibration std HexChrome 1.0PPM	WP106718

Intercept: -0.0001

Slope: 0.7818

Regression: 0.999987

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		1.88	0.000	0.000	0.000	0.000		02/21/2024	08:20
2	CAL2	0.01	1	100	100		1.96	0.000	0.007	0.007	0.009	-10	02/21/2024	08:21
3	CAL3	0.025	1	100	100		1.90	0.000	0.018	0.018	0.023	-8	02/21/2024	08:22
4	CAL4	0.05	1	100	100		1.92	0.000	0.038	0.038	0.048	-4	02/21/2024	08:23
5	CAL5	0.1	1	100	100		1.96	0.000	0.081	0.081	0.103	3	02/21/2024	08:24
6	CAL6	0.5	1	100	100		1.92	0.000	0.392	0.392	0.501	0.2	02/21/2024	08:25
7	CAL7	1	1	100	100		1.96	0.000	0.781	0.781	0.999	-0.1	02/21/2024	08:26



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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		1.92	0.000	0.394	0.394	0.504	02/21/2024	08:27
2	ICB		1	100	100		1.76	0.000	0.001	0.001	0.001	02/21/2024	08:28
3	CCV1	0.5	1	100	100		1.94	0.000	0.390	0.390	0.499	02/21/2024	08:29
4	CCB1		1	100	100		1.77	0.000	0.001	0.001	0.001	02/21/2024	08:30
5	RL Check	0.01	1	100	100		1.91	0.000	0.008	0.008	0.010	02/21/2024	08:31
6	lb129640BL		1	100	100		1.74	0.000	0.001	0.001	0.001	02/21/2024	08:32
7	lb129640BS	0.5	1	100	100		1.92	0.000	0.402	0.402	0.514	02/21/2024	08:33
8	P1524-06		1	100	100		2.08	0.000	0.000	0.000	0.000	02/21/2024	08:34
9	P1524-07		1	100	100		2.10	0.000	0.000	0.000	0.000	02/21/2024	08:35
10	P1524-08		1	100	100		2.06	0.000	0.000	0.000	0.000	02/21/2024	08:36
11	P1524-08DU		1	100	100		2.08	0.000	0.000	0.000	0.000	02/21/2024	08:37
12	P1524-09	1	2	100	100		2.08	0.000	0.193	0.193	0.247	02/21/2024	08:38
13	P1524-10	1	2	100	100		2.10	0.000	0.190	0.190	0.243	02/21/2024	08:39
14	CCV2	0.5	1	100	100		1.92	0.000	0.390	0.390	0.499	02/21/2024	08:40
15	CCB2		1	100	100		1.77	0.000	0.001	0.001	0.001	02/21/2024	08:41

WORKLIST(Hardcopy Internal Chain)

6129640

WorkList Name : hex0220 WorkList ID : 178128 Department : Wet-Chemistry Date : 02-20-2024 10:25:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P1524-06	20240766-AMENDED-COMP-3	Solid	SPLP Hexavalent Chromium	Cool 4 deg C	AQUA04	E11	02/08/2024	7196A
P1524-07	20240767-AMENDED-COMP-3	Solid	SPLP Hexavalent Chromium	Cool 4 deg C	AQUA04	E11	02/08/2024	7196A
P1524-08	20240768-AMENDED-COMP-3	Solid	SPLP Hexavalent Chromium	Cool 4 deg C	AQUA04	E11	02/08/2024	7196A
P1524-09	P1524-08MS	Solid	SPLP Hexavalent Chromium	Cool 4 deg C	AQUA04	E11	02/08/2024	7196A
P1524-10	P1524-08MSD	Solid	SPLP Hexavalent Chromium	Cool 4 deg C	AQUA04	E11	02/08/2024	7196A

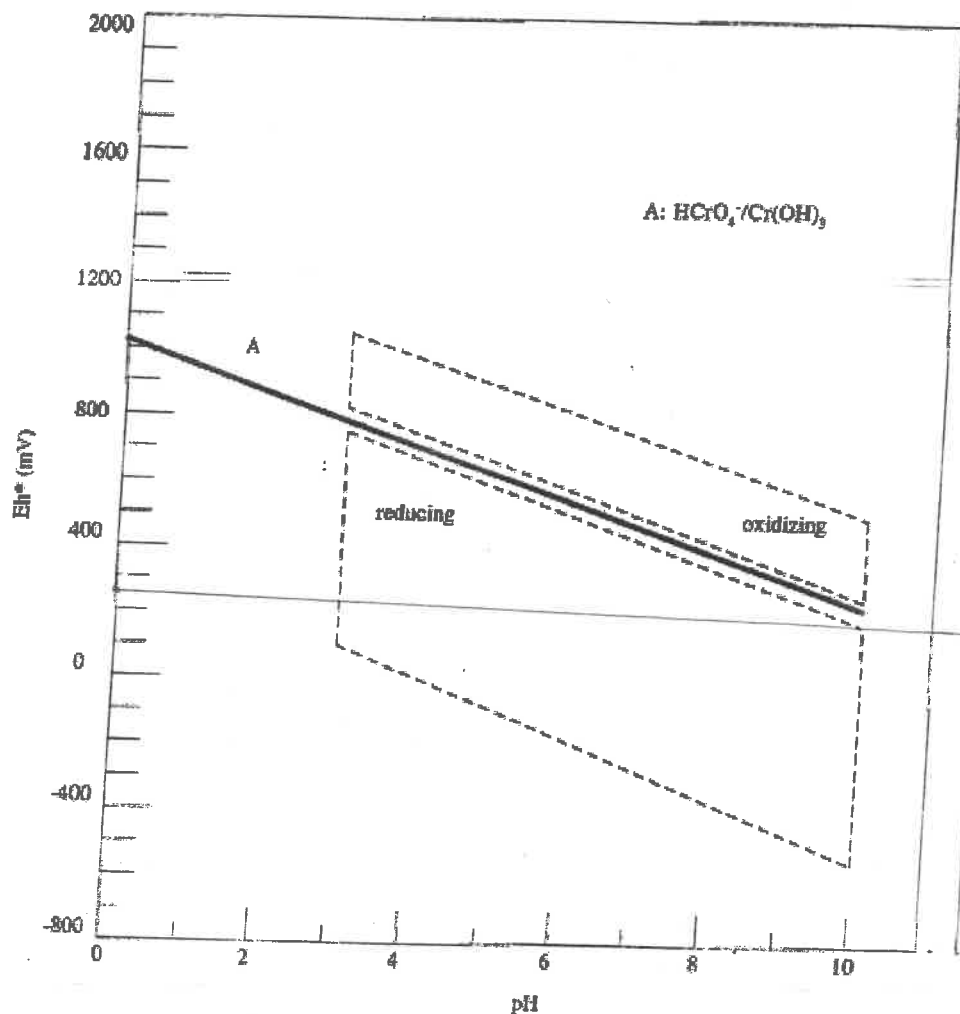
Date/Time _____
Raw Sample Received by: _____
Raw Sample Relinquished by: _____

Date/Time _____
Raw Sample Received by: _____
Raw Sample Relinquished by: _____

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.

P1524-08

PH - 11.75

EH - 248.3

RM