



Analytical Summary Report

Analysis Method: 7196A

ANALYST: Indiana

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB96967

pH Meter ID: WC pH Meter-1

Reagent/Standard	Lot/Log #
Calibration Std. hexchrome 0.1 ppm	WP66512
Calibration Std. hexchrome 0.05 ppm	WP66511
Hexavalent Chromium LCS Std	WP66517
Calibratation STD HexaChrome 1 PPM	WP66514
Calibratation STD Hexa Chrome 0.5 PPM	WP66513
calibration std. hexchrome 0.01 ppm	WP66509
calibration std. hexchrome 0 ppm	WP66504
Hexavalent Chromium ICV Std.	WP66515
Hexavalent Chromium CCV Std	WP66516
hexavalent chromium color reagent	WP66393
HNO3 Hex-Chrome, 5M	WP65055
Calibration std Hexachrome, 0.025ppm	WP66510

Intercept: 0.0001

Slope: 0.7688

Regression: 0.999974

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		2.10	0.000	0.000	0.000	07/27/2018	12:30
2	CAL2	0.01	1	100	100		1.66	0.000	0.007	0.007	07/27/2018	12:30
3	CAL3	0.025	1	100	100		1.95	0.000	0.017	0.017	07/27/2018	12:31
4	CAL4	0.05	1	100	100		2.28	0.000	0.038	0.038	07/27/2018	12:31
5	CAL5	0.1	1	100	100		2.44	0.000	0.079	0.079	07/27/2018	12:32
6	CAL6	0.5	1	100	100		1.54	0.000	0.388	0.388	07/27/2018	12:32
7	CAL7	1	1	100	100		2.21	0.000	0.767	0.767	07/27/2018	12:33



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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		1.60	0.000	0.388	0.388	0.505	07/27/2018	12:33
2	ICB		1	100	100		2.15	0.000	0.000	0.000	0.000	07/27/2018	12:34
3	CCV1	0.5	1	100	100		2.37	0.000	0.389	0.389	0.506	07/27/2018	12:34
4	CCB1		1	100	100		1.84	0.000	0.000	0.000	0.000	07/27/2018	12:35
5	LB96967BL		1	100	100		1.92	0.000	0.000	0.000	0.000	07/27/2018	12:35
6	LB96967BS	0.5	1	100	100		2.15	0.000	0.385	0.385	0.501	07/27/2018	12:36
7	J4188-01		1	100	100		2.04	0.008	0.090	0.082	0.107	07/27/2018	12:36
8	J4188-01DUP		1	100	100		1.63	0.009	0.092	0.083	0.108	07/27/2018	12:37
9	J4188-01MS	1	2	100	100		1.57	0.010	0.383	0.373	0.485	07/27/2018	12:37
10	J4188-01MSD	1	2	100	100		2.30	0.010	0.383	0.373	0.485	07/27/2018	12:38
11	CCV2	0.5	1	100	100		2.46	0.000	0.389	0.389	0.506	07/27/2018	12:38
12	CCB2		1	100	100		1.69	0.000	0.000	0.000	0.000	07/27/2018	12:39

LB96967

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Hex072718-2

WorkList ID : 115057

Date : 7/27/2018 10:04:39 AM

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
07/27/2018	Water	J4188-01	Hexavalent Chromium	Cool 4 deg C	PSEG01	K63	HA-BASELINEWATER-N4897	07/26/2018	7196A

Date/Time 07/27/18 12:00
Received by: IB
Relinquished by: CD

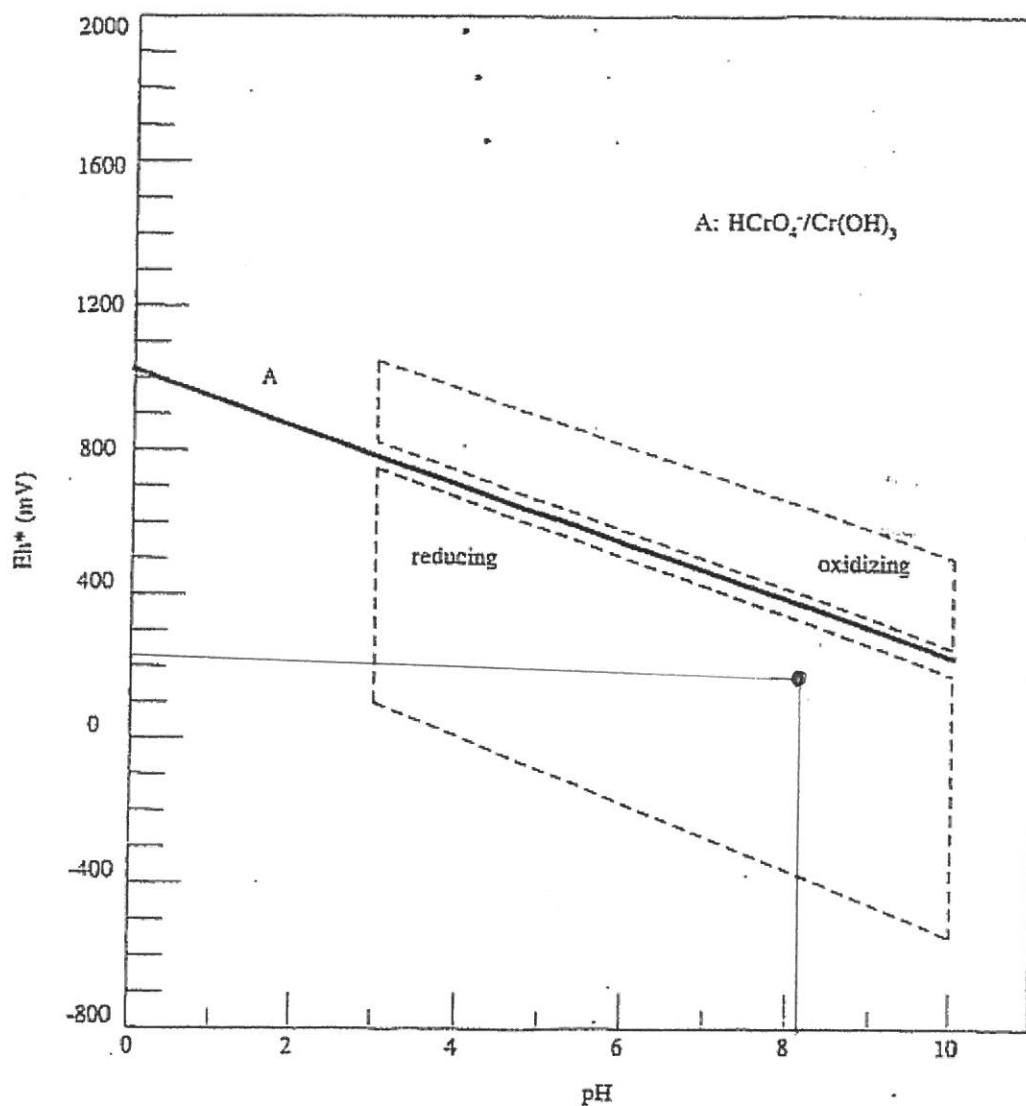
Date/Time 07/27/18 12:45
Received by: CD
Relinquished by: IB

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.

pH = 8.07

Eh = 201.9

07/27/18

IB