

Analytical Summary Report

Analysis Method: 7196A

ANALYST: ketankumar

Parameter: Hexavalent Chromium Diss

SUPERVISOR REVIEW BY: apatel

Run Number: LB109451

pH Meter ID: WC pH Meter-1

Reagent/Standard	Lot/Log #
Calibration Std. hexchrome 0.1 ppm	WP84643
Calibration Std. hexchrome 0.05 ppm	WP84644
calibration std. hexchrome 0.01 ppm	WP84645
calibration std. hexchrome 0 ppm	WP84646
hexavalent chromium color reagent	WP84635
5N sulfuric acid	WP84066
HNO3 Hex-Chrome, 5M	WP84067
Hexchrome Cleaning Solution	WP84106
Calibration Std Hexachrome 0.025 ppm	WP84648
Hexavalent Chromium ICV-LCS Std	WP84647
Calibration and CCV std HexChrome 0.5PPM	WP84642
Calibration std HexChrome 1.0PPM	WP84641

Intercept: -0.0004

Slope: 0.8001

Regression: 0.999998

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		2.08	0.000	0.000	0.000	06/05/2020	07:20
2	CAL2	0.01	1	100	100		2.07	0.000	0.008	0.008	06/05/2020	07:20
3	CAL3	0.025	1	100	100		2.05	0.000	0.020	0.020	06/05/2020	07:22
4	CAL4	0.05	1	100	100		2.03	0.000	0.039	0.039	06/05/2020	07:22
5	CAL5	0.1	1	100	100		2.06	0.000	0.079	0.079	06/05/2020	07:24
6	CAL6	0.5	1	100	100		2.04	0.000	0.399	0.399	06/05/2020	07:24
7	CAL7	1	1	100	100		2.03	0.000	0.800	0.800	06/05/2020	07:26

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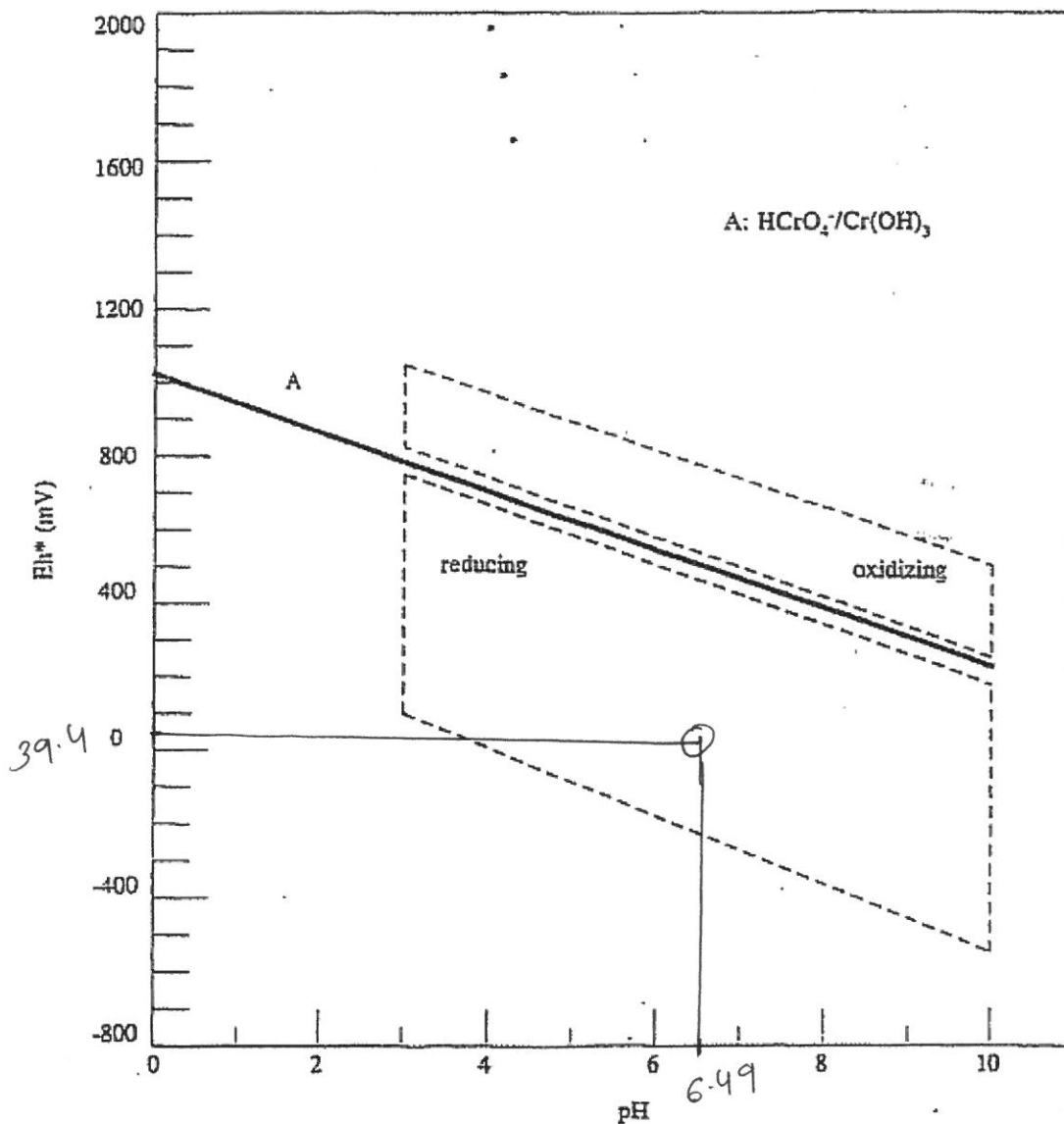
pH Meter ID: WC pH Meter-1

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		2.04	0.000	0.384	0.384	0.480	06/05/2020	07:27
2	ICB		1	100	100		2.06	0.000	0.000	0.000	0.000	06/05/2020	07:28
3	CCV1	0.5	1	100	100		2.03	0.000	0.378	0.378	0.473	06/05/2020	07:29
4	CCB1		1	100	100		2.05	0.000	0.000	0.000	0.000	06/05/2020	07:30
5	lb109451BL		1	100	100		2.05	0.000	0.000	0.000	0.000	06/05/2020	07:31
6	lb109451BS	0.5	1	100	100		2.07	0.000	0.393	0.393	0.492	06/05/2020	07:32
7	L2920-01		1	100	100		2.08	0.003	3.382	3.379	4.224	06/05/2020	07:33
8	L2920-02		1	100	100		2.02	0.000	0.000	0.000	0.000	06/05/2020	07:33
9	L2920-03		1	100	100		2.05	0.000	1.567	1.567	1.959	06/05/2020	07:34
10	L2920-04		1	100	100		2.06	0.002	3.412	3.410	4.262	06/05/2020	07:34
11	L2920-05		1	100	100		2.04	0.000	2.479	2.479	3.099	06/05/2020	07:35
12	L2920-06		1	100	100		2.08	0.015	0.015	0.000	0.000	06/05/2020	07:35
13	L2920-07		1	100	100		2.09	0.001	1.832	1.831	2.289	06/05/2020	07:36
14	L2920-08		1	100	100		2.07	0.002	1.263	1.261	1.577	06/05/2020	07:36
15	CCV2	0.5	1	100	100		2.04	0.000	0.379	0.379	0.474	06/05/2020	07:37
16	CCB2		1	100	100		2.06	0.000	0.000	0.000	0.000	06/05/2020	07:37
17	L2920-09		1	100	100		2.04	0.037	0.039	0.002	0.003	06/05/2020	07:38
18	L2920-10		1	100	100		2.05	0.010	1.161	1.151	1.439	06/05/2020	07:38
19	L2920-11		1	100	100		2.06	0.024	0.026	0.002	0.003	06/05/2020	07:39
20	L2920-11DUP		1	100	100		2.07	0.025	0.026	0.001	0.002	06/05/2020	07:39
21	L2920-11MS	1	2	100	100		2.08	0.024	0.254	0.230	0.288	06/05/2020	07:40
22	L2920-11MSD	1	2	100	100		2.09	0.025	0.253	0.228	0.285	06/05/2020	07:40
23	L2920-12		1	100	100		2.07	0.002	0.018	0.016	0.020	06/05/2020	07:41
24	L2920-01		50	100	100		2.08	0.000	0.242	0.242	0.303	06/05/2020	07:41
25	L2920-03		10	100	100		2.05	0.000	0.170	0.170	0.213	06/05/2020	07:42
26	L2920-04		20	100	100		2.06	0.000	0.740	0.740	0.925	06/05/2020	07:42
27	CCV3	0.5	1	100	100		2.05	0.000	0.376	0.376	0.470	06/05/2020	07:43
28	CCB3		1	100	100		2.04	0.000	0.000	0.000	0.000	06/05/2020	07:43
29	L2920-05		20	100	100		2.04	0.000	0.122	0.122	0.153	06/05/2020	07:44
30	L2920-07		10	100	100		2.09	0.000	0.203	0.203	0.254	06/05/2020	07:44
31	L2920-08		10	100	100		2.07	0.000	0.136	0.136	0.170	06/05/2020	07:45
32	L2920-10		100	100	100		2.05	0.005	0.473	0.468	0.585	06/05/2020	07:45
33	CCV4	0.5	1	100	100		2.05	0.000	0.377	0.377	0.472	06/05/2020	07:46
34	CCB4		1	100	100		2.04	0.000	0.000	0.000	0.000	06/05/2020	07:46

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.

LB109457

WORKLIST(Hardcopy Internal Chain)

WorkList Name : hex6520 WorkList ID : 139325 Department : Wet-Chemistry Date : 06-05-2020 07:02:05

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
06/18/2020	Water	L2920-01	Hexavalent Chromium D	Cool 4 deg C	JACO05	O51	D-06042020-01	06/04/2020	7196A
06/18/2020	Water	L2920-02	Hexavalent Chromium D	Cool 4 deg C	JACO05	O51	EB-06042020-01	06/04/2020	7196A
06/18/2020	Water	L2920-03	Hexavalent Chromium D	Cool 4 deg C	JACO05	O51	EPA-MW-29-BR-06042020	06/04/2020	7196A
06/18/2020	Water	L2920-04	Hexavalent Chromium D	Cool 4 deg C	JACO05	O51	EPA-MW-29-OB-06042020	06/04/2020	7196A
06/18/2020	Water	L2920-05	Hexavalent Chromium D	Cool 4 deg C	JACO05	O51	EPA-MW-31-BR-06042020	06/04/2020	7196A
06/18/2020	Water	L2920-06	Hexavalent Chromium D	Cool 4 deg C	JACO05	O51	EPA-MW-32-OB-06042020	06/04/2020	7196A
06/18/2020	Water	L2920-07	Hexavalent Chromium D	Cool 4 deg C	JACO05	O51	EPA-MW-37-BR-06042020	06/04/2020	7196A
06/18/2020	Water	L2920-08	Hexavalent Chromium D	Cool 4 deg C	JACO05	O51	EPA-MW-38-BR-06042020	06/04/2020	7196A
06/18/2020	Water	L2920-09	Hexavalent Chromium D	Cool 4 deg C	JACO05	O51	EPA-MW-38-OB-06042020	06/04/2020	7196A
06/18/2020	Water	L2920-10	Hexavalent Chromium D	Cool 4 deg C	JACO05	O51	EPA-MW-39-OB-06042020	06/04/2020	7196A
06/18/2020	Water	L2920-11	Hexavalent Chromium D	Cool 4 deg C	JACO05	O51	EPA-MW-41-OB-06042020	06/04/2020	7196A
06/18/2020	Water	L2920-12	Hexavalent Chromium D	Cool 4 deg C	JACO05	O51	EPA-MW-43-OB-06042020	06/04/2020	7196A

Date/Time 06/05/2020 07:05
 Received by: KS AM
 Relinquished by: AM

Date/Time 06/05/2020
 Received by: AM
 Relinquished by: AM