

Analytical Summary Report

Analysis Method: 7196A

ANALYST: ketankumar

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB106367

pH Meter ID: WC PH METER-1

Reagent/Standard	Lot/Log #
Calibratation STD HexaChrome 1 PPM	WP79919
Calibratation STD Hexa Chrome 0.5 PPM	WP79920
Calibration Std. hexchrome 0.1 ppm	WP79925
Calibration Std. hexchrome 0.05 ppm	WP79924
calibration std. hexchrome 0.01 ppm	WP79923
calibration std. hexchrome 0 ppm	WP79922
Hexavalent Chromium ICV Std.	WP79927
Hexavalent Chromium CCV Std	WP79926
Hexavalent Chromium LCS Std	WP79928
hexavalent chromium color reagent	WP79867
5N sulfuric acid	WP79628
Calibration std Hexachrome, 0.025ppm	WP79921

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		2.10	0.000	0.000	0.000	11/18/2019	13:30
2	CAL2	0.01	1	100	100		1.56	0.000	0.008	0.008	11/18/2019	13:30
3	CAL3	0.025	1	100	100		1.60	0.000	0.020	0.020	11/18/2019	13:31
4	CAL4	0.05	1	100	100		2.05	0.000	0.039	0.039	11/18/2019	13:31
5	CAL5	0.1	1	100	100		1.65	0.000	0.079	0.079	11/18/2019	13:32
6	CAL6	0.5	1	100	100		2.01	0.000	0.399	0.399	11/18/2019	13:32
7	CAL7	1	1	100	100		2.10	0.000	0.800	0.800	11/18/2019	13:33

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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		2.10	0.000	0.382	0.382	0.478	11/18/2019	13:34
2	ICB		1	100	100		1.56	0.000	0.000	0.000	0.000	11/18/2019	13:34
3	CCV1	0.5	1	100	100		1.60	0.000	0.378	0.378	0.473	11/18/2019	13:35
4	CCB1		1	100	100		2.05	0.000	0.000	0.000	0.000	11/18/2019	13:35
5	PB124910BL		1	2.52	100	7.15	1.65	0.000	0.000	0.000	0.000	11/18/2019	13:36
6	PB124910BS	20	1	2.50	100	7.50	2.01	0.000	0.359	0.359	0.449	11/18/2019	13:36
7	K5904-08		1	2.50	100	7.85	1.60	0.014	0.015	0.001	0.002	11/18/2019	13:37
8	K5904-08DUP		1	2.51	100	7.25	2.10	0.014	0.015	0.001	0.002	11/18/2019	13:37
9	K5904-08MSPre	40	2	2.50	100	7.65	1.56	0.015	0.375	0.360	0.450	11/18/2019	13:38
10	K5904-08MS2Ins	1284	40	2.53	100	7.50	2.01	0.016	0.660	0.644	0.805	11/18/2019	13:38
11	K5904-08MS3Post	40	2	2.54	100	7.25	1.65	0.013	0.394	0.381	0.477	11/18/2019	13:39
12	K5904-09		1	2.52	100	7.30	1.70	0.015	0.017	0.002	0.003	11/18/2019	13:39
13	K5904-10		1	2.51	100	7.25	2.01	0.052	0.060	0.008	0.010	11/18/2019	13:40
14	K5904-11		1	2.52	100	7.35	1.89	0.046	0.047	0.001	0.002	11/18/2019	13:40
15	CCV2	0.5	1	100	100		2.00	0.000	0.379	0.379	0.474	11/18/2019	13:41
16	CCB2		1	100	100		1.89	0.000	0.000	0.000	0.000	11/18/2019	13:41
17	K5904-12		1	2.51	100	7.60	2.05	0.071	0.072	0.001	0.002	11/18/2019	13:42
18	K5904-13		1	2.50	100	7.45	1.89	0.030	0.031	0.001	0.002	11/18/2019	13:42
19	K5904-14		1	2.51	100	7.24	1.70	0.058	0.060	0.002	0.003	11/18/2019	13:43
20	K5904-15		1	2.53	100	7.39	2.00	0.040	0.041	0.001	0.002	11/18/2019	13:43
21	K5904-16		1	2.53	100	7.28	1.56	0.086	0.088	0.002	0.003	11/18/2019	13:44
22	K5904-17		1	2.51	100	7.35	2.05	0.043	0.044	0.001	0.002	11/18/2019	13:44
23	K5904-18		1	2.53	100	7.41	1.60	0.042	0.044	0.002	0.003	11/18/2019	13:45
24	K5904-19		1	2.51	100	7.18	2.01	0.023	0.024	0.001	0.002	11/18/2019	13:45
25	K5905-01		1	2.52	100	7.48	1.56	0.014	0.015	0.001	0.002	11/18/2019	13:46
26	PB124924BL		1	2.51	100	7.36	2.01	0.000	0.000	0.000	0.000	11/18/2019	13:47
27	CCV3	0.5	1	100	100		1.70	0.000	0.374	0.374	0.468	11/18/2019	13:47
28	CCB3		1	100	100		1.65	0.000	0.000	0.000	0.000	11/18/2019	13:48
29	PB124924BS	20	1	2.52	100	7.47	1.60	0.000	0.360	0.360	0.450	11/18/2019	13:48
30	K5808-01		1	2.53	100	7.29	2.01	0.025	0.027	0.002	0.003	11/18/2019	13:49
31	K5808-02		1	2.51	100	7.38	2.10	0.052	0.301	0.249	0.312	11/18/2019	13:49
32	K5808-03		1	2.50	100	7.54	2.15	0.040	0.154	0.114	0.143	11/18/2019	13:50
33	K5808-04		1	2.50	100	7.18	1.56	0.032	0.343	0.311	0.389	11/18/2019	13:50
34	K5808-05		1	2.54	100	7.29	1.65	0.026	0.036	0.010	0.013	11/18/2019	13:51
35	K5808-06		1	2.52	100	7.40	2.03	0.030	0.050	0.020	0.025	11/18/2019	13:51
36	K5808-07		1	2.54	100	7.48	2.05	0.030	0.031	0.001	0.002	11/18/2019	13:52
37	K5808-08		1	2.50	100	7.25	2.36	0.030	0.540	0.510	0.638	11/18/2019	13:52
38	K5808-09		1	2.54	100	7.36	1.60	0.051	0.346	0.295	0.369	11/18/2019	13:53
39	CCV4	0.5	1	100	100		1.65	0.000	0.382	0.382	0.478	11/18/2019	13:53
40	CCB4		1	100	100		1.56	0.000	0.000	0.000	0.000	11/18/2019	13:54
41	K5808-10		1	2.52	100	7.40	2.05	0.036	0.166	0.130	0.163	11/18/2019	13:54
42	K5808-11		1	2.51	100	7.47	1.78	0.015	0.099	0.084	0.105	11/18/2019	13:55

43	K5808-11DUP		1	2.51	100	7.35	2.10	0.016	0.100	0.084	0.105	11/18/2019	13:55
44	K5808-12MSPre	40	2	2.52	100	7.61	1.56	0.016	0.398	0.382	0.478	11/18/2019	13:56
45	K5808-12MS2Ins	1284	40	2.52	100	7.41	2.05	0.015	0.708	0.693	0.867	11/18/2019	13:56
46	K5808-12MS3Post	40	2	2.53	100	7.62	2.05	0.016	0.458	0.442	0.553	11/18/2019	13:57
47	PB124926BL		1	2.51	100	7.36	1.65	0.000	0.000	0.000	0.000	11/18/2019	13:57
48	PB124926BS	20	1	2.50	100	7.43	2.05	0.000	0.362	0.362	0.453	11/18/2019	13:58
49	K5808-14		1	2.53	100	7.42	1.72	0.012	0.105	0.093	0.117	11/18/2019	13:58
50	K5808-14DUP		1	2.51	100	7.15	1.75	0.013	0.106	0.093	0.117	11/18/2019	13:59
51	CCV5	0.5	1	100	100		2.15	0.000	0.379	0.379	0.474	11/18/2019	13:59
52	CCB5		1	100	100		2.01	0.000	0.000	0.000	0.000	11/18/2019	14:02
53	K5808-14MSPre	40	2	2.50	100	7.12	1.60	0.012	0.431	0.419	0.524	11/18/2019	14:02
54	K5808-14MS2Ins	1284	40	2.54	100	7.15	1.89	0.000	0.650	0.650	0.813	11/18/2019	14:03
55	K5808-14MS3Post	40	2	2.51	100	7.50	1.70	0.013	0.509	0.496	0.620	11/18/2019	14:03
56	K5808-15		1	2.52	100	7.50	1.80	0.050	0.070	0.020	0.025	11/18/2019	14:04
57	K5808-16		1	2.53	100	7.50	1.56	0.079	0.080	0.001	0.002	11/18/2019	14:04
58	K5808-17		1	2.54	100	7.85	2.10	0.049	0.178	0.129	0.162	11/18/2019	14:05
59	K5808-18		1	2.51	100	7.12	1.65	0.054	0.055	0.001	0.002	11/18/2019	14:05
60	K5839-01		1	2.50	100	7.65	2.01	0.089	0.090	0.001	0.002	11/18/2019	14:06
61	K5839-03		1	2.52	100	7.15	1.65	0.046	0.048	0.002	0.003	11/18/2019	14:06
62	K5839-05		1	2.53	100	7.50	2.10	0.029	0.030	0.001	0.002	11/18/2019	14:07
63	CCV6	0.5	1	100	100		1.60	0.000	0.379	0.379	0.474	11/18/2019	14:07
64	CCB6		1	100	100		2.00	0.000	0.000	0.000	0.000	11/18/2019	14:08
65	K5839-07		1	2.52	100	7.46	2.05	0.040	0.041	0.001	0.002	11/18/2019	14:08
66	K5839-09		1	2.51	100	7.39	2.08	0.020	0.020	0.000	0.000	11/18/2019	14:09
67	K5840-01		1	2.53	100	7.56	1.87	0.027	0.028	0.001	0.002	11/18/2019	14:09
68	K5840-03		1	2.53	100	7.18	2.01	0.124	0.125	0.001	0.002	11/18/2019	14:10
69	CCV7	0.5	1	100	100		1.65	0.000	0.384	0.384	0.480	11/18/2019	14:10
70	CCB7		1	100	100		2.15	0.000	0.000	0.000	0.000	11/18/2019	14:11