

Analytical Summary Report

Analysis Method: 7196A

ANALYST: Indiana

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB99739

pH Meter ID: WC pH Meter-1

Reagent/Standard	Lot/Log #
Calibration Std. hexchrome 0.1 ppm	WP70170
Calibration Std. hexchrome 0.05 ppm	WP70169
5N sulfuric acid	WP70044
Calibratation STD HexaChrome 1 PPM	WP70172
Calibratation STD Hexa Chrome 0.5 PPM	WP70171
calibration std. hexchrome 0.01 ppm	WP70167
calibration std. hexchrome 0 ppm	WP70164
Hexavalent Chromium ICV Std.	WP70173
Hexavalent Chromium CCV Std	WP70174
hexavalent chromium color reagent	WP70176
HNO3 Hex-Chrome, 5M	WP70045
Calibration std Hexachrome, 0.025ppm	WP70168

Intercept: 0.0005

Slope: 0.772

Regression: 0.99996

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		2.18	0.000	0.000	0.000	12/11/2018	15:10
2	CAL2	0.01	1	100	100		2.33	0.000	0.007	0.007	12/11/2018	15:10
3	CAL3	0.025	1	100	100		2.47	0.000	0.017	0.017	12/11/2018	15:11
4	CAL4	0.05	1	100	100		1.90	0.000	0.039	0.039	12/11/2018	15:11
5	CAL5	0.1	1	100	100		1.81	0.000	0.080	0.080	12/11/2018	15:12
6	CAL6	0.5	1	100	100		2.03	0.000	0.391	0.391	12/11/2018	15:12
7	CAL7	1	1	100	100		1.77	0.000	0.770	0.770	12/11/2018	15:13



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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		2.13	0.000	0.393	0.393	0.508	12/11/2018	15:13
2	ICB		1	100	100		2.48	0.000	0.000	0.000	-0.001	12/11/2018	15:14
3	CCV1	0.5	1	100	100		1.90	0.000	0.393	0.393	0.508	12/11/2018	15:14
4	CCB1		1	100	100		1.63	0.000	0.000	0.000	-0.001	12/11/2018	15:15
5	PB115566BL		1	2.54	100	7.55	1.77	0.000	0.000	0.000	-0.001	12/11/2018	15:15
6	PB115566BS	20	1	2.53	100	7.36	2.08	0.000	0.374	0.374	0.484	12/11/2018	15:16
7	J6193-01		1	2.53	100	7.12	2.14	0.029	0.035	0.006	0.007	12/11/2018	15:16
8	J6193-03		1	2.50	100	7.45	1.87	0.032	0.032	0.000	-0.001	12/11/2018	15:17
9	J6193-05		1	2.51	100	7.22	1.55	0.039	0.039	0.000	-0.001	12/11/2018	15:17
10	J6193-07		1	2.55	100	7.69	2.09	0.024	0.024	0.000	-0.001	12/11/2018	15:18
11	J6193-09		1	2.50	100	7.51	2.27	0.030	0.030	0.000	-0.001	12/11/2018	15:18
12	J6195-05		1	2.54	100	7.77	2.38	0.022	0.022	0.000	-0.001	12/11/2018	15:19
13	J6195-07		1	2.50	100	7.90	1.88	0.018	0.018	0.000	-0.001	12/11/2018	15:19
14	J6316-01		1	2.53	100	7.25	1.95	0.020	0.020	0.000	-0.001	12/11/2018	15:20
15	CCV2	0.5	1	100	100		2.06	0.000	0.393	0.393	0.508	12/11/2018	15:20
16	CCB2		1	100	100		2.15	0.000	0.000	0.000	-0.001	12/11/2018	15:21
17	J6316-05		1	2.50	100	7.11	1.59	0.015	0.016	0.001	0.001	12/11/2018	15:21
18	J6316-09		1	2.51	100	7.13	1.73	0.039	0.039	0.000	-0.001	12/11/2018	15:22
19	J6316-13		1	2.55	100	7.24	1.95	0.077	0.077	0.000	-0.001	12/11/2018	15:22
20	J6316-17		1	2.52	100	7.31	2.07	0.016	0.016	0.000	-0.001	12/11/2018	15:23
21	J6316-17DUP		1	2.53	100	7.66	2.24	0.015	0.015	0.000	-0.001	12/11/2018	15:23
22	J6316-17MSPre	40	2	2.55	100	7.91	2.33	0.018	0.199	0.181	0.234	12/11/2018	15:24
23	J6316-17MS2Ins	1284	40	2.50	100	7.13	2.44	0.012	0.618	0.606	0.784	12/11/2018	15:24
24	J6316-17MS3Post	40	2	2.55	100	7.44	1.76	0.020	0.225	0.205	0.265	12/11/2018	15:25
25	J6316-21		1	2.51	100	7.81	2.18	0.021	0.021	0.000	-0.001	12/11/2018	15:25
26	PB115567BL		1	2.52	100	7.10	2.31	0.000	0.000	0.000	-0.001	12/11/2018	15:26
27	CCV3	0.5	1	100	100		1.82	0.000	0.393	0.393	0.508	12/11/2018	15:26
28	CCB3		1	100	100		1.90	0.000	0.000	0.000	-0.001	12/11/2018	15:27
29	PB115567BS	20	1	2.55	100	7.10	2.17	0.000	0.379	0.379	0.490	12/11/2018	15:27
30	J6303-03		1	2.55	100	7.05	1.69	0.019	0.019	0.000	-0.001	12/11/2018	15:28
31	J6322-15		1	2.53	100	7.12	1.77	0.012	0.012	0.000	-0.001	12/11/2018	15:28
32	J6322-17		1	2.52	100	7.25	1.95	0.027	0.027	0.000	-0.001	12/11/2018	15:29
33	J6322-19		1	2.55	100	7.33	2.36	0.027	0.027	0.000	-0.001	12/11/2018	15:29
34	J6322-21		1	2.51	100	7.87	2.35	0.016	0.016	0.000	-0.001	12/11/2018	15:30
35	J6322-23		1	2.54	100	7.62	2.41	0.025	0.025	0.000	-0.001	12/11/2018	15:30
36	J6331-01		1	2.55	100	7.10	2.43	0.015	0.015	0.000	-0.001	12/11/2018	15:31
37	J6331-07		1	2.50	100	7.39	2.21	0.010	0.010	0.000	-0.001	12/11/2018	15:31
38	J6331-13		1	2.52	100	7.91	1.78	0.008	0.008	0.000	-0.001	12/11/2018	15:32
39	CCV4	0.5	1	100	100		2.80	0.000	0.394	0.394	0.510	12/11/2018	15:32
40	CCB4		1	100	100		2.17	0.000	0.000	0.000	-0.001	12/11/2018	15:33
41	J6331-19		1	2.53	100	7.40	1.81	0.011	0.011	0.000	-0.001	12/11/2018	15:33
42	J6331-25		1	2.55	100	7.33	1.99	0.006	0.006	0.000	-0.001	12/11/2018	15:34

43	J6331-31		1	2.54	100	7.24	1.73	0.009	0.009	0.000	-0.001	12/11/2018	15:34
44	J6331-37		1	2.52	100	7.12	2.44	0.010	0.010	0.000	-0.001	12/11/2018	15:35
45	J6331-37DUP		1	2.53	100	7.10	2.31	0.009	0.009	0.000	-0.001	12/11/2018	15:35
46	J6331-37MSPre	40	2	2.50	100	7.00	2.17	0.010	0.360	0.350	0.453	12/11/2018	15:36
47	J6331-37MS2Ins	1284	40	2.52	100	7.30	1.62	0.008	0.630	0.622	0.805	12/11/2018	15:36
48	J6331-37MS3Post	40	2	2.54	100	7.19	2.75	0.013	0.367	0.354	0.458	12/11/2018	15:37
49	CCV5	0.5	1	100	100		1.90	0.000	0.394	0.394	0.510	12/11/2018	15:37
50	CCB5		1	100	100		2.03	0.000	0.000	0.000	-0.001	12/11/2018	15:38