

Analytical Summary Report

Analysis Method: 7196A

ANALYST: Indiana

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB98880

pH Meter ID: WC pH Meter-1

Reagent/Standard	Lot/Log #
Calibration Std. hexchrome 0.1 ppm	WP69116
Calibration Std. hexchrome 0.05 ppm	WP69115
5N sulfuric acid	WP65054
Calibratation STD HexaChrome 1 PPM	WP69118
Calibratation STD Hexa Chrome 0.5 PPM	WP69117
calibration std. hexchrome 0.01 ppm	WP69113
calibration std. hexchrome 0 ppm	WP69112
Hexavalent Chromium ICV Std.	WP69120
Hexavalent Chromium CCV Std	WP69119
hexavalent chromium color reagent	WP68966
HNO3 Hex-Chrome, 5M	WP65055
Calibration std Hexachrome, 0.025ppm	WP69114

Intercept: 0.0006

Slope: 0.7714

Regression: 0.999969

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		2.04	0.000	0.000	0.000	10/26/2018	16:00
2	CAL2	0.01	1	100	100		1.78	0.000	0.008	0.008	10/26/2018	16:00
3	CAL3	0.025	1	100	100		1.63	0.000	0.017	0.017	10/26/2018	16:01
4	CAL4	0.05	1	100	100		2.17	0.000	0.039	0.039	10/26/2018	16:01
5	CAL5	0.1	1	100	100		2.25	0.000	0.080	0.080	10/26/2018	16:02
6	CAL6	0.5	1	100	100		1.98	0.000	0.390	0.390	10/26/2018	16:02
7	CAL7	1	1	100	100		2.47	0.000	0.770	0.770	10/26/2018	16:03



Analytical Summary Report

Analysis Method: 7196A

ANALYST: Indiana

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB98880

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		1.75	0.000	0.390	0.390	0.505	10/26/2018	16:03
2	ICB		1	100	100		1.93	0.000	0.000	0.000	-0.001	10/26/2018	16:04
3	CCV1	0.5	1	100	100		2.07	0.000	0.390	0.390	0.505	10/26/2018	16:04
4	CCB1		1	100	100		2.44	0.000	0.000	0.000	-0.001	10/26/2018	16:05
5	PB114219BL		1	2.54	100	7.66	2.30	0.000	0.000	0.000	-0.001	10/26/2018	16:05
6	PB114219BS	20	1	2.51	100	7.25	1.86	0.000	0.358	0.358	0.463	10/26/2018	16:06
7	J5649-01		1	2.53	100	7.63	1.54	0.018	0.018	0.000	-0.001	10/26/2018	16:06
8	J5649-02		1	2.54	100	7.87	2.10	0.022	0.022	0.000	-0.001	10/26/2018	16:06
9	J5649-03		1	2.53	100	7.41	2.16	0.016	0.016	0.000	-0.001	10/26/2018	16:07
10	J5649-04		1	2.55	100	7.30	1.87	0.005	0.011	0.006	0.007	10/26/2018	16:07
11	J5649-05		1	2.50	100	7.21	1.55	0.041	0.041	0.000	-0.001	10/26/2018	16:08
12	J5649-06		1	2.51	100	7.16	2.10	0.030	0.030	0.000	-0.001	10/26/2018	16:08
13	J5649-06DUP		1	2.54	100	7.91	2.34	0.028	0.028	0.000	-0.001	10/26/2018	16:09
14	J5649-07Pre	40	2	2.50	100	7.45	1.77	0.036	0.195	0.159	0.205	10/26/2018	16:09
15	CCV2	0.5	1	100	100		2.24	0.000	0.391	0.391	0.506	10/26/2018	16:10
16	CCB2		1	100	100		1.62	0.000	0.000	0.000	-0.001	10/26/2018	16:10
17	J5649-072Ins	1284	40	2.50	100	7.63	2.34	0.028	0.610	0.582	0.754	10/26/2018	16:11
18	J5649-073Post	40	2	2.50	100	7.48	1.60	0.037	0.220	0.183	0.236	10/26/2018	16:11
19	J5649-08	40	2	2.50	100	7.45	1.77	0.036	0.195	0.159	0.205	10/26/2018	16:12
20	J5649-09		1	2.55	100	7.24	2.37	0.014	0.014	0.000	-0.001	10/26/2018	16:12
21	J5649-10		1	2.54	100	7.10	1.98	0.012	0.012	0.000	-0.001	10/26/2018	16:13
22	J5649-11		1	2.55	100	7.04	1.75	0.010	0.010	0.000	-0.001	10/26/2018	16:13
23	J5649-12		1	2.51	100	7.19	2.17	0.008	0.008	0.000	-0.001	10/26/2018	16:14
24	J5649-13		1	2.52	100	7.64	1.89	0.012	0.012	0.000	-0.001	10/26/2018	16:14
25	PB114218BL		1	2.53	100	7.44	1.68	0.000	0.000	0.000	-0.001	10/26/2018	16:15
26	PB114218BS	20	1	2.51	100	7.73	2.12	0.000	0.380	0.380	0.492	10/26/2018	16:15
27	CCV3	0.5	1	100	100		2.17	0.000	0.391	0.391	0.506	10/26/2018	16:16
28	CCB3		1	100	100		1.84	0.000	0.000	0.000	-0.001	10/26/2018	16:16
29	J5624-01		1	2.51	100	7.63	1.94	0.007	0.007	0.000	-0.001	10/26/2018	16:17
30	J5624-01DUP		1	2.52	100	7.92	2.37	0.008	0.008	0.000	-0.001	10/26/2018	16:17
31	J5624-02Pre	40	2	2.52	100	7.42	2.21	0.009	0.361	0.352	0.456	10/26/2018	16:18
32	J5624-022Ins	1284	40	2.52	100	7.65	2.20	0.007	0.630	0.623	0.807	10/26/2018	16:18
33	J5624-023Post	40	2	2.52	100	7.61	1.78	0.009	0.365	0.356	0.461	10/26/2018	16:19
34	J5624-03	40	2	2.52	100	7.42	2.21	0.009	0.361	0.352	0.456	10/26/2018	16:19
35	J5624-04		1	2.50	100	7.46	2.44	0.011	0.011	0.000	-0.001	10/26/2018	16:20
36	J5624-05		1	2.55	100	7.20	1.82	0.020	0.020	0.000	-0.001	10/26/2018	16:20
37	J5624-06		1	2.54	100	7.43	1.67	0.030	0.030	0.000	-0.001	10/26/2018	16:21
38	J5624-07		1	2.51	100	7.68	2.04	0.035	0.035	0.000	-0.001	10/26/2018	16:21
39	CCV4	0.5	1	100	100		1.69	0.000	0.392	0.392	0.507	10/26/2018	16:22
40	CCB4		1	100	100		2.15	0.000	0.000	0.000	-0.001	10/26/2018	16:22
41	J5624-08		1	2.54	100	7.77	1.86	0.005	0.005	0.000	-0.001	10/26/2018	16:23
42	J5624-09		1	2.52	100	7.65	1.95	0.012	0.012	0.000	-0.001	10/26/2018	16:23

43	CCV5	0.5	1	100	100		2.17	0.000	0.392	0.392	0.507	10/26/2018	16:24
44	CCB5		1	100	100		1.74	0.000	0.000	0.000	-0.001	10/26/2018	16:24