



Analytical Summary Report

Analysis Method: 7196A

ANALYST: Indiana

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB101502

pH Meter ID: WC pH Meter-1

Reagent/Standard	Lot/Log #
Calibratation STD HexaChrome 1 PPM	WP72751
Calibratation STD Hexa Chrome 0.5 PPM	WP72747
Calibration Std. hexchrome 0.1 ppm	WP72741
Calibration Std. hexchrome 0.05 ppm	WP72740
calibration std. hexchrome 0.01 ppm	WP72738
calibration std. hexchrome 0 ppm	WP72726
Hexavalent Chromium ICV Std.	WP72753
Hexavalent Chromium CCV Std	WP72755
hexavalent chromium color reagent	WP72761
5N sulfuric acid	WP70044
Calibration std Hexachrome, 0.025ppm	WP72739

Intercept: 0.0005

Slope: 0.7711

Regression: 0.99999

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		2.13	0.000	0.000	0.000	03/21/2019	10:00
2	CAL2	0.01	1	100	100		1.82	0.000	0.008	0.008	03/21/2019	10:00
3	CAL3	0.025	1	100	100		1.74	0.000	0.018	0.018	03/21/2019	10:01
4	CAL4	0.05	1	100	100		2.16	0.000	0.039	0.039	03/21/2019	10:01
5	CAL5	0.1	1	100	100		1.93	0.000	0.080	0.080	03/21/2019	10:02
6	CAL6	0.5	1	100	100		2.17	0.000	0.387	0.387	03/21/2019	10:02
7	CAL7	1	1	100	100		2.15	0.000	0.771	0.771	03/21/2019	10:03



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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		1.78	0.000	0.393	0.393	0.509	03/21/2019	10:03
2	ICB		1	100	100		2.08	0.000	0.000	0.000	-0.001	03/21/2019	10:04
3	CCV1	0.5	1	100	100		1.90	0.000	0.393	0.393	0.509	03/21/2019	10:04
4	CCB1		1	100	100		1.77	0.000	0.000	0.000	-0.001	03/21/2019	10:05
5	PB118114BL		1	2.50	100	7.55	2.19	0.000	0.000	0.000	-0.001	03/21/2019	10:05
6	PB118114BS	20	1	2.51	100	7.36	2.36	0.000	0.380	0.380	0.492	03/21/2019	10:06
7	K1688-21		1	2.52	100	7.21	1.68	0.010	0.010	0.000	-0.001	03/21/2019	10:06
8	K1688-23		1	2.55	100	7.11	1.56	0.024	0.024	0.000	-0.001	03/21/2019	10:07
9	K1688-25		1	2.53	100	7.95	2.45	0.012	0.012	0.000	-0.001	03/21/2019	10:07
10	K1688-27		1	2.55	100	7.23	2.16	0.019	0.019	0.000	-0.001	03/21/2019	10:08
11	K1688-29		1	2.51	100	7.46	1.86	0.037	0.037	0.000	-0.001	03/21/2019	10:08
12	K1688-31		1	2.50	100	7.20	1.74	0.023	0.023	0.000	-0.001	03/21/2019	10:09
13	K1688-33		1	2.55	100	7.04	2.06	0.017	0.017	0.000	-0.001	03/21/2019	10:09
14	K1688-35		1	2.54	100	7.45	2.02	0.021	0.021	0.000	-0.001	03/21/2019	10:10
15	CCV2	0.5	1	100	100		2.44	0.000	0.394	0.394	0.510	03/21/2019	10:10
16	CCB2		1	100	100		1.65	0.000	0.000	0.000	-0.001	03/21/2019	10:11
17	K1688-37		1	2.53	100	7.69	1.58	0.036	0.036	0.000	-0.001	03/21/2019	10:11
18	K1688-39		1	2.50	100	7.30	2.10	0.018	0.018	0.000	-0.001	03/21/2019	10:12
19	K1941-07		1	2.51	100	7.40	2.44	0.009	0.016	0.007	0.008	03/21/2019	10:12
20	K1941-07DUP		1	2.50	100	7.60	1.87	0.008	0.015	0.007	0.008	03/21/2019	10:13
21	K1941-07MSPre	40	2	2.54	100	7.41	1.90	0.010	0.372	0.362	0.469	03/21/2019	10:13
22	K1941-07MS2Ins	1284	40	2.53	100	7.10	1.65	0.008	0.624	0.616	0.798	03/21/2019	10:14
23	K1941-07MS3Post	40	2	2.50	100	7.12	2.03	0.011	0.379	0.368	0.477	03/21/2019	10:14
24	K1951-01		1	2.51	100	7.08	2.15	0.028	0.028	0.000	-0.001	03/21/2019	10:15
25	K1951-03		1	2.55	100	7.10	2.27	0.030	0.030	0.000	-0.001	03/21/2019	10:15
26	K1989-01		1	2.52	100	7.63	2.32	0.005	0.005	0.000	-0.001	03/21/2019	10:16
27	CCV3	0.5	1	100	100		1.97	0.000	0.394	0.394	0.510	03/21/2019	10:16
28	CCB3		1	100	100		1.86	0.000	0.000	0.000	-0.001	03/21/2019	10:17
29	PB118118BL		1	2.50	100	7.50	1.62	0.000	0.000	0.000	-0.001	03/21/2019	10:17
30	PB118118BS	20	1	2.51	100	7.60	2.41	0.000	0.381	0.381	0.493	03/21/2019	10:18
31	K1971-01		1	2.55	100	7.22	2.30	0.064	0.064	0.000	-0.001	03/21/2019	10:18
32	K1971-02		1	2.53	100	7.15	1.64	0.070	0.070	0.000	-0.001	03/21/2019	10:19
33	K1971-03		1	2.50	100	7.69	1.52	0.043	0.043	0.000	-0.001	03/21/2019	10:19
34	K1971-04		1	2.51	100	7.12	2.36	0.030	0.030	0.000	-0.001	03/21/2019	10:20
35	K1971-05		1	2.54	100	7.22	1.77	0.013	0.016	0.003	0.003	03/21/2019	10:20
36	K1971-06		1	2.52	100	7.41	1.95	0.048	0.048	0.000	-0.001	03/21/2019	10:21
37	K1971-07		1	2.50	100	7.03	1.73	0.016	0.016	0.000	-0.001	03/21/2019	10:21
38	K1971-07DUP		1	2.53	100	7.43	1.94	0.017	0.017	0.000	-0.001	03/21/2019	10:22
39	CCV4	0.5	1	100	100		2.13	0.000	0.394	0.394	0.510	03/21/2019	10:22
40	CCB4		1	100	100		2.17	0.000	0.000	0.000	-0.001	03/21/2019	10:23
41	K1971-07MSPre	40	2	2.54	100	7.10	1.60	0.018	0.365	0.347	0.449	03/21/2019	10:23
42	K1971-07MS2Ins	1284	40	2.50	100	7.05	2.25	0.017	0.635	0.618	0.801	03/21/2019	10:24

43	K1971-07MS3Post	40	2	2.51	100	7.60	2.34	0.019	0.376	0.357	0.462	03/21/2019	10:24
44	K1971-08		1	2.55	100	7.71	1.92	0.053	0.053	0.000	-0.001	03/21/2019	10:25
45	K1971-09		1	2.52	100	7.10	1.78	0.060	0.060	0.000	-0.001	03/21/2019	10:25
46	K1971-10		1	2.54	100	7.11	2.11	0.051	0.051	0.000	-0.001	03/21/2019	10:26
47	CCV5	0.5	1	100	100		2.47	0.000	0.394	0.394	0.510	03/21/2019	10:26
48	CCB5		1	100	100		1.81	0.000	0.000	0.000	-0.001	03/21/2019	10:27