

Analytical Summary Report

Analysis Method: 7196A

ANALYST: Indiana

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB97970

pH Meter ID: WC pH Meter-1

Reagent/Standard	Lot/Log #
Calibration Std. hexchrome 0.1 ppm	WP67846
Calibration Std. hexchrome 0.05 ppm	WP67845
5N sulfuric acid	WP65054
Calibratation STD HexaChrome 1 PPM	WP67848
Calibratation STD Hexa Chrome 0.5 PPM	WP67847
calibration std. hexchrome 0.01 ppm	WP67843
calibration std. hexchrome 0 ppm	WP67842
Hexavalent Chromium ICV Std.	WP67849
Hexavalent Chromium CCV Std	WP67850
hexavalent chromium color reagent	WP67819
HNO3 Hex-Chrome, 5M	WP65055
Calibration std Hexachrome, 0.025ppm	WP67844

Intercept: 0.0004

Slope: 0.77

Regression: 0.999963

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		2.16	0.000	0.000	0.000	09/17/2018	15:00
2	CAL2	0.01	1	100	100		1.99	0.000	0.008	0.008	09/17/2018	15:00
3	CAL3	0.025	1	100	100		2.04	0.000	0.017	0.017	09/17/2018	15:01
4	CAL4	0.05	1	100	100		2.43	0.000	0.038	0.038	09/17/2018	15:01
5	CAL5	0.1	1	100	100		1.89	0.000	0.079	0.079	09/17/2018	15:02
6	CAL6	0.5	1	100	100		1.65	0.000	0.390	0.390	09/17/2018	15:02
7	CAL7	1	1	100	100		2.37	0.000	0.768	0.768	09/17/2018	15:03



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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		1.90	0.000	0.390	0.390	0.506	09/17/2018	15:03
2	ICB		1	100	100		2.16	0.000	0.000	0.000	-0.001	09/17/2018	15:04
3	CCV1	0.5	1	100	100		2.34	0.000	0.391	0.391	0.507	09/17/2018	15:04
4	CCB1		1	100	100		1.78	0.000	0.000	0.000	-0.001	09/17/2018	15:05
5	PB112948BL		1	2.53	100	7.33	1.55	0.000	0.000	0.000	-0.001	09/17/2018	15:05
6	PB112948BS	20	1	2.51	100	7.12	1.72	0.000	0.380	0.380	0.493	09/17/2018	15:06
7	J4773-01		1	2.52	100	7.05	2.08	0.021	0.021	0.000	-0.001	09/17/2018	15:06
8	J4773-03		1	2.50	100	7.18	2.23	0.038	0.038	0.000	-0.001	09/17/2018	15:07
9	J4773-05		1	2.54	100	7.26	1.89	0.029	0.029	0.000	-0.001	09/17/2018	15:07
10	J4773-07		1	2.51	100	7.46	2.33	0.024	0.024	0.000	-0.001	09/17/2018	15:08
11	J4773-09		1	2.55	100	7.55	2.46	0.022	0.022	0.000	-0.001	09/17/2018	15:08
12	J4774-03		1	2.53	100	7.69	1.84	0.025	0.025	0.000	-0.001	09/17/2018	15:09
13	J4775-05		1	2.50	100	7.11	1.96	0.018	0.018	0.000	-0.001	09/17/2018	15:09
14	J4775-07		1	2.52	100	7.87	2.07	0.016	0.016	0.000	-0.001	09/17/2018	15:10
15	CCV2	0.5	1	100	100		2.37	0.000	0.391	0.391	0.507	09/17/2018	15:10
16	CCB2		1	100	100		2.29	0.000	0.000	0.000	-0.001	09/17/2018	15:11
17	J4929-01		1	2.54	100	7.72	1.60	0.027	0.027	0.000	-0.001	09/17/2018	15:11
18	J4929-05		1	2.55	100	7.30	1.53	0.012	0.012	0.000	-0.001	09/17/2018	15:12
19	J4929-05DUP		1	2.54	100	7.08	2.18	0.011	0.011	0.000	-0.001	09/17/2018	15:12
20	J4929-05MSPre	40	2	2.51	100	7.02	2.41	0.013	0.368	0.355	0.461	09/17/2018	15:13
21	J4929-05MS2Ins	1284	40	2.51	100	7.60	2.26	0.010	0.619	0.609	0.790	09/17/2018	15:13
22	J4929-05MS3Post	40	2	2.51	100	7.44	1.92	0.014	0.370	0.356	0.462	09/17/2018	15:14
23	J4929-09		1	2.50	100	7.35	2.19	0.021	0.021	0.000	-0.001	09/17/2018	15:14
24	J4935-01		1	2.53	100	7.21	1.90	0.010	0.010	0.000	-0.001	09/17/2018	15:15
25	PB112949BL		1	2.50	100	7.84	1.67	0.000	0.000	0.000	-0.001	09/17/2018	15:15
26	PB112949BS	20	1	2.55	100	7.90	2.30	0.000	0.385	0.385	0.499	09/17/2018	15:16
27	CCV3	0.5	1	100	100		2.21	0.000	0.391	0.391	0.507	09/17/2018	15:16
28	CCB3		1	100	100		1.66	0.000	0.000	0.000	-0.001	09/17/2018	15:17
29	J4936-15		1	2.52	100	7.63	1.62	0.027	0.164	0.137	0.177	09/17/2018	15:17
30	J4936-19		1	2.53	100	7.35	2.30	0.060	0.067	0.007	0.009	09/17/2018	15:18
31	J4936-23		1	2.52	100	7.21	1.89	0.171	0.198	0.027	0.035	09/17/2018	15:18
32	J4936-27		1	2.51	100	7.62	2.22	0.070	0.398	0.328	0.425	09/17/2018	15:19
33	J4936-31		1	2.54	100	7.16	2.38	0.046	0.220	0.174	0.225	09/17/2018	15:19
34	J4936-35		1	2.55	100	7.20	1.64	0.205	0.240	0.035	0.045	09/17/2018	15:20
35	J4936-39		1	2.53	100	7.38	1.52	0.038	0.062	0.024	0.031	09/17/2018	15:20
36	J4940-01		1	2.52	100	7.45	1.73	0.010	0.010	0.000	-0.001	09/17/2018	15:21
37	J4940-05		1	2.51	100	7.61	2.07	0.008	0.008	0.000	-0.001	09/17/2018	15:21
38	J4941-01		1	2.50	100	7.73	2.22	0.017	0.017	0.000	-0.001	09/17/2018	15:22
39	CCV4	0.5	1	100	100		1.84	0.000	0.392	0.392	0.509	09/17/2018	15:22
40	CCB4		1	100	100		1.57	0.000	0.000	0.000	-0.001	09/17/2018	15:23
41	J4941-04		1	2.53	100	7.89	1.69	0.015	0.015	0.000	-0.001	09/17/2018	15:23
42	J4941-04DUP		1	2.52	100	7.61	2.36	0.016	0.016	0.000	-0.001	09/17/2018	15:24

43	J4941-04MSPre	40	2	2.51	100	7.60	1.58	0.017	0.378	0.361	0.468	09/17/2018	15:24
44	J4941-04MS2Ins	1284	40	2.51	100	7.25	2.44	0.013	0.631	0.618	0.802	09/17/2018	15:25
45	J4941-04MS3Post	40	2	2.51	100	7.18	1.59	0.018	0.380	0.362	0.470	09/17/2018	15:25
46	J4942-01		1	2.52	100	7.94	2.25	0.012	0.012	0.000	-0.001	09/17/2018	15:26
47	J4943-01		1	2.54	100	7.22	1.77	0.488	0.490	0.002	0.002	09/17/2018	15:26
48	CCV5	0.5	1	100	100		2.10	0.000	0.392	0.392	0.509	09/17/2018	15:27
49	CCB5		1	100	100		1.79	0.000	0.000	0.000	-0.001	09/17/2018	15:27