

Analytical Summary Report

Analysis Method: 7196A

ANALYST: Indiana

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB101081

pH Meter ID: WC pH Meter-1

Reagent/Standard	Lot/Log #
Calibration STD HexaChrome 1 PPM	
Calibration STD Hexa Chrome 0.5 PPM	
Calibration Std. hexchrome 0.1 ppm	
Calibration Std. hexchrome 0.05 ppm	
calibration std. hexchrome 0.01 ppm	
calibration std. hexchrome 0 ppm	
Hexavalent Chromium ICV Std.	
Hexavalent Chromium CCV Std	
hexavalent chromium color reagent	WP72145
5N sulfuric acid	WP70044
Calibration std Hexachrome, 0.025ppm	
HNO3 Hex-Chrome, 5M	WP70045
Calibration STD HexaChrome 1 PPM	
Calibration STD Hexa Chrome 0.5 PPM	
Calibration Std. hexchrome 0.1 ppm	
Calibration Std. hexchrome 0.05 ppm	
calibration std. hexchrome 0.01 ppm	

Seq	Lab ID	Calibration									Anal Date	Anal Time
		True value DF	Initial Vol (ml/gm)	Final Vol (ml)	0 ppm HNO3	pH H2SO4	Absorb. at 540	Absorbance				
		Hexavalent Chromium (mg/l)	Chromium CCV Std	ICV Std			Backgrnd	Color	Difference			
		Hexavalent Chromium	Chromium	CCV Std								
		hexavalent chromium	chromium	color reagent						WP72145		
		5N sulfuric acid								WP70044		
		Calibration std Hexachrome,		0.025ppm								
		HNO3 Hex-Chrome, 5M								WP70045		
		Intercept: 0.0003				Slope: 0.7714				Regression:0.999985		
1	CAL1	0	1	100	100		2.10	0.000	0.000	0.000	02/28/2019	14:00
2	CAL2	0.01	1	100	100		2.16	0.000	0.008	0.008	02/28/2019	14:00
3	CAL3	0.025	1	100	100		1.81	0.000	0.017	0.017	02/28/2019	14:01
4	CAL4	0.05	1	100	100		1.55	0.000	0.039	0.039	02/28/2019	14:01
5	CAL5	0.1	1	100	100		2.05	0.000	0.080	0.080	02/28/2019	14:02
6	CAL6	0.5	1	100	100		1.99	0.000	0.387	0.387	02/28/2019	14:02
7	CAL7	1	1	100	100		2.37	0.000	0.771	0.771	02/28/2019	14:03



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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		1.66	0.000	0.391	0.391	0.506	02/28/2019	14:03
2	ICB		1	100	100		2.03	0.000	0.000	0.000	0.000	02/28/2019	14:04
3	CCV1	0.5	1	100	100		1.79	0.000	0.391	0.391	0.506	02/28/2019	14:04
4	CCB1		1	100	100		1.60	0.000	0.000	0.000	0.000	02/28/2019	14:05
5	PB117495BL		1	2.50	100	7.88	1.53	0.000	0.000	0.000	0.000	02/28/2019	14:05
6	PB117495BS	20	1	2.55	100	7.58	1.88	0.000	0.383	0.383	0.496	02/28/2019	14:06
7	K1340-01		1	2.50	100	7.24	2.04	0.040	0.040	0.000	0.000	02/28/2019	14:06
8	K1341-07		1	2.53	100	7.30	2.37	0.021	0.021	0.000	0.000	02/28/2019	14:07
9	K1341-09		1	2.51	100	7.16	2.20	0.024	0.024	0.000	0.000	02/28/2019	14:07
10	K1349-13		1	2.55	100	7.08	1.91	0.033	0.033	0.000	0.000	02/28/2019	14:08
11	K1349-15		1	2.54	100	7.50	1.80	0.027	0.027	0.000	0.000	02/28/2019	14:08
12	K1358-05		1	2.50	100	7.33	2.07	0.033	0.033	0.000	0.000	02/28/2019	14:09
13	K1643-01		1	2.52	100	7.17	2.17	0.007	0.039	0.032	0.041	02/28/2019	14:09
14	K1643-03		1	2.55	100	7.63	2.34	0.005	0.012	0.007	0.009	02/28/2019	14:10
15	CCV2	0.5	1	100	100		2.41	0.000	0.392	0.392	0.508	02/28/2019	14:10
16	CCB2		1	100	100		1.92	0.000	0.000	0.000	0.000	02/28/2019	14:11
17	K1645-03		1	2.54	100	7.20	1.67	0.051	0.051	0.000	0.000	02/28/2019	14:11
18	K1645-07		1	2.52	100	7.10	1.79	0.015	0.015	0.000	0.000	02/28/2019	14:12
19	K1645-07DUP		1	2.53	100	7.11	1.72	0.014	0.014	0.000	0.000	02/28/2019	14:12
20	K1645-07MSPre	40	2	2.50	100	7.41	2.28	0.015	0.370	0.355	0.460	02/28/2019	14:13
21	K1645-07MS2Ins	1284	40	2.51	100	7.13	2.22	0.011	0.590	0.579	0.750	02/28/2019	14:13
22	K1645-07MS3Post	40	2	2.52	100	7.52	2.14	0.017	0.378	0.361	0.468	02/28/2019	14:14
23	K1645-11		1	2.53	100	7.10	1.77	0.011	0.011	0.000	0.000	02/28/2019	14:14
24	PB117496BL		1	2.51	100	7.16	1.60	0.000	0.000	0.000	0.000	02/28/2019	14:15
25	PB117496BS	20	1	2.50	100	7.11	2.39	0.000	0.370	0.370	0.479	02/28/2019	14:15
26	K1647-03		1	2.53	100	7.62	1.77	0.044	0.044	0.000	0.000	02/28/2019	14:16
27	CCV3	0.5	1	100	100		2.08	0.000	0.393	0.393	0.509	02/28/2019	14:16
28	CCB3		1	100	100		1.73	0.000	0.000	0.000	0.000	02/28/2019	14:17
29	K1649-01		1	2.51	100	7.66	2.01	0.029	0.034	0.005	0.006	02/28/2019	14:17
30	K1649-02		1	2.55	100	7.14	2.11	0.026	0.207	0.181	0.234	02/28/2019	14:18
31	K1651-01		1	2.53	100	7.22	1.81	0.038	0.038	0.000	0.000	02/28/2019	14:18
32	K1652-10		1	2.54	100	7.10	1.33	0.008	0.008	0.000	0.000	02/28/2019	14:19
33	K1652-10DUP		1	2.55	100	7.10	1.72	0.009	0.009	0.000	0.000	02/28/2019	14:19
34	K1652-10MSPre	40	2	2.50	100	7.18	2.09	0.011	0.356	0.345	0.447	02/28/2019	14:20
35	K1652-10MS2Ins	1284	40	2.52	100	7.78	1.77	0.008	0.607	0.599	0.776	02/28/2019	14:21
36	K1652-10MS3Post	40	2	2.53	100	7.41	1.93	0.011	0.364	0.353	0.457	02/28/2019	14:21
37	K1652-12		1	2.52	100	7.11	2.41	0.042	0.042	0.000	0.000	02/28/2019	14:22

38	K1654-01		1	2.55	100	7.69	1.63	0.013	0.013	0.000	0.000	02/28/2019	14:22
39	CCV4	0.5	1	100	100		1.55	0.000	0.393	0.393	0.509	02/28/2019	14:23
40	CCB4		1	100	100		2.07	0.000	0.000	0.000	0.000	02/28/2019	14:23