

Analytical Summary Report

Analysis Method: 7196A

ANALYST: Indiana

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB95388

pH Meter ID: WC pH Meter-1

Reagent/Standard	Lot/Log #
Calibration Std. hexchrome 0.1 ppm	WP64538
Calibration Std. hexchrome 0.05 ppm	WP64537
5N sulfuric acid	WP61786
Calibratation STD HexaChrome 1 PPM	WP64540
Calibratation STD Hexa Chrome 0.5 PPM	WP64539
calibration std. hexchrome 0.01 ppm	WP64535
calibration std. hexchrome 0 ppm	WP64534
Hexavalent Chromium ICV Std.	WP64541
Hexavalent Chromium CCV Std	WP64542
hexavalent chromium color reagent	WP64533
HNO3 Hex-Chrome, 5M	WP61785
Calibration std Hexachrome, 0.025ppm	WP64536

Intercept: 0.0004

Slope: 0.7692

Regression: 0.999958

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	05/16/2018	14:00
2	CAL2	0.01	1	100	100		1.98	0.000	0.007	0.007	05/16/2018	14:00
3	CAL3	0.025	1	100	100		1.70	0.000	0.017	0.017	05/16/2018	14:01
4	CAL4	0.05	1	100	100		2.44	0.000	0.039	0.039	05/16/2018	14:01
5	CAL5	0.1	1	100	100		2.25	0.000	0.079	0.079	05/16/2018	14:02
6	CAL6	0.5	1	100	100		1.69	0.000	0.390	0.390	05/16/2018	14:02
7	CAL7	1	1	100	100		2.10	0.000	0.767	0.767	05/16/2018	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		1.58	0.000	0.389	0.389	0.505	05/16/2018	14:03
2	ICB		1	100	100		1.63	0.000	0.000	0.000	-0.001	05/16/2018	14:04
3	CCV1	0.5	1	100	100		2.14	0.000	0.389	0.389	0.505	05/16/2018	14:04
4	CCB1		1	100	100		1.77	0.000	0.000	0.000	-0.001	05/16/2018	14:05
5	PB109344BL		1	2.55	100	7.23	2.25	0.000	0.000	0.000	-0.001	05/16/2018	14:05
6	PB109344BS	20	1	2.54	100	7.55	2.13	0.000	0.369	0.369	0.479	05/16/2018	14:06
7	J2671-11		1	2.51	100	7.11	1.89	0.009	0.009	0.000	-0.001	05/16/2018	14:06
8	J2671-11DUP		1	2.52	100	7.16	1.73	0.010	0.010	0.000	-0.001	05/16/2018	14:07
9	J2671-11MSPre	40	2	2.53	100	7.09	1.84	0.012	0.353	0.341	0.443	05/16/2018	14:07
10	J2671-11MS2Ins	1284	40	2.50	100	7.31	2.07	0.008	0.590	0.582	0.756	05/16/2018	14:08
11	J2671-11MS3Post	40	2	2.53	100	7.69	2.39	0.013	0.358	0.345	0.448	05/16/2018	14:08
12	J2671-13		1	2.50	100	7.77	2.14	0.014	0.014	0.000	-0.001	05/16/2018	14:09
13	J2883-01		1	2.55	100	7.84	1.89	0.007	0.007	0.000	-0.001	05/16/2018	14:09
14	J2888-01		1	2.51	100	7.25	1.63	0.009	0.009	0.000	-0.001	05/16/2018	14:10
15	CCV2	0.5	1	100	100		1.74	0.000	0.390	0.390	0.507	05/16/2018	14:10
16	CCB2		1	100	100		1.69	0.000	0.000	0.000	-0.001	05/16/2018	14:11
17	J2888-05		1	2.52	100	7.08	1.96	0.010	0.010	0.000	-0.001	05/16/2018	14:11
18	J2888-09		1	2.53	100	7.14	2.03	0.002	0.003	0.001	0.001	05/16/2018	14:12
19	J2888-13		1	2.55	100	7.11	2.33	0.005	0.011	0.006	0.007	05/16/2018	14:12
20	J2888-17		1	2.51	100	7.23	2.10	0.011	0.012	0.001	0.001	05/16/2018	14:13
21	J2888-21		1	2.52	100	7.29	1.98	0.034	0.046	0.012	0.015	05/16/2018	14:13
22	J2888-25		1	2.53	100	7.35	1.87	0.010	0.010	0.000	-0.001	05/16/2018	14:14
23	J2888-29		1	2.51	100	7.10	1.82	0.012	0.012	0.000	-0.001	05/16/2018	14:14
24	J2899-02		1	2.54	100	7.06	2.48	0.015	0.015	0.000	-0.001	05/16/2018	14:15
25	J2899-06		1	2.53	100	7.03	2.34	0.018	0.018	0.000	-0.001	05/16/2018	14:15
26	J2899-09		1	2.52	100	7.20	2.21	0.022	0.022	0.000	-0.001	05/16/2018	14:16
27	CCV3	0.5	1	100	100		2.10	0.000	0.390	0.390	0.507	05/16/2018	14:16
28	CCB3		1	100	100		1.87	0.000	0.000	0.000	-0.001	05/16/2018	14:17
29	PB109345BL		1	2.54	100	7.77	2.35	0.000	0.000	0.000	-0.001	05/16/2018	14:17
30	PB109345BS	20	1	2.50	100	7.93	2.27	0.000	0.380	0.380	0.493	05/16/2018	14:18
31	J1759-01		1	2.52	100	7.88	2.40	0.030	0.030	0.000	-0.001	05/16/2018	14:18
32	J2267-01		1	2.51	100	7.64	1.97	0.098	0.098	0.000	-0.001	05/16/2018	14:19
33	J2670-03		1	2.53	100	7.13	1.63	0.006	0.006	0.000	-0.001	05/16/2018	14:19
34	J2670-03DUP		1	2.51	100	7.77	2.15	0.005	0.005	0.000	-0.001	05/16/2018	14:20
35	J2670-03MSPre	40	2	2.50	100	7.60	2.07	0.008	0.360	0.352	0.457	05/16/2018	14:20
36	J2670-03MS2Ins	1284	40	2.55	100	7.71	1.80	0.007	0.605	0.598	0.777	05/16/2018	14:21
37	J2670-03MS3Post	40	2	2.52	100	7.25	1.60	0.009	0.365	0.356	0.462	05/16/2018	14:21
38	J2674-03		1	2.54	100	7.16	2.17	0.079	0.079	0.000	-0.001	05/16/2018	14:22
39	CCV4	0.5	1	100	100		2.25	0.000	0.390	0.390	0.507	05/16/2018	14:22
40	CCB4		1	100	100		2.29	0.000	0.000	0.000	-0.001	05/16/2018	14:23
41	J2679-07		1	2.53	100	7.43	2.34	0.021	0.021	0.000	-0.001	05/16/2018	14:23
42	J2679-09		1	2.50	100	7.22	1.72	0.015	0.015	0.000	-0.001	05/16/2018	14:24

43	J2679-11		1	2.52	100	7.31	1.69	0.019	0.019	0.000	-0.001	05/16/2018	14:24
44	J2898-01		1	2.54	100	7.93	1.52	0.013	0.013	0.000	-0.001	05/16/2018	14:24
45	J2898-02		1	2.51	100	7.66	2.07	0.006	0.006	0.000	-0.001	05/16/2018	14:25
46	J2898-03		1	2.52	100	7.71	2.11	0.008	0.008	0.000	-0.001	05/16/2018	14:25
47	J2898-04		1	2.50	100	7.53	2.45	0.014	0.014	0.000	-0.001	05/16/2018	14:26
48	J2898-05		1	2.52	100	7.64	2.36	0.012	0.026	0.014	0.018	05/16/2018	14:26
49	J2898-06		1	2.53	100	7.45	2.24	0.009	0.020	0.011	0.014	05/16/2018	14:27
50	J2898-07		1	2.54	100	7.33	1.78	0.010	0.016	0.006	0.007	05/16/2018	14:27
51	CCV5	0.5	1	100	100		1.64	0.000	0.391	0.391	0.508	05/16/2018	14:28
52	CCB5		1	100	100		2.34	0.000	0.000	0.000	-0.001	05/16/2018	14:28
53	J2910-01		1	2.52	100	7.20	2.27	0.013	0.013	0.000	-0.001	05/16/2018	14:30
54	J2910-03		1	2.55	100	7.69	2.21	0.008	0.008	0.000	-0.001	05/16/2018	14:30
55	CCV6	0.5	1	100	100		1.58	0.000	0.391	0.391	0.508	05/16/2018	14:31
56	CCB6		1	100	100		1.63	0.000	0.000	0.000	-0.001	05/16/2018	14:31