CHEMTECH

Analytical Summary Report

Analysis Method: 7196A
Parameter: Hexavalent Chromium
Run Number: LB99200

ANALYST: Indiana
SUPERVISOR REVIEW BY: apatel
pH Meter ID: WC pH Meter-1

Reagent/Standard	Lot/Log #
Calibration Std. hexchrome 0.1 ppm	WP69527
Calibration Std. hexchrome 0.05 ppm	WP69526
5N sulfuric acid	WP65054
Calibratation STD HexaChrome 1 PPM	WP69529
Calibratation STD Hexa Chrome 0.5 PPM	WP69528
calibration std. hexchrome 0.01 ppm	WP69524
calibration std. hexchrome 0 ppm	WP69521
Hexavalent Chromium ICV Std.	WP69530
Hexavalent Chromium CCV Std	WP69531
hexavalent chromium color reagent	WP69533
HNO3 Hex-Chrome, 5M	WP65055
Calibration std Hexachrome, 0.025ppm	WP69525

Intercept: 0.0003 **Slope:** 0.7709 **Regression:** 0.999971

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		2.01	0.000	0.000	0.000	11/13/2018	15:00
2	CAL2	0.01	1	100	100		1.89	0.000	0.007	0.007	11/13/2018	15:00
3	CAL3	0.025	1	100	100		1.96	0.000	0.018	0.018	11/13/2018	15:01
4	CAL4	0.05	1	100	100		2.35	0.000	0.038	0.038	11/13/2018	15:01
5	CAL5	0.1	1	100	100		2.41	0.000	0.079	0.079	11/13/2018	15:02
6	CAL6	0.5	1	100	100		1.52	0.000	0.390	0.390	11/13/2018	15:02
7	CAL7	1	1	100	100		1.79	0.000	0.769	0.769	11/13/2018	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 Backgrnd	Absorb. at 540 Color	Absorbance Difference	Result	Anal Date	Anal Time
1	ICV	0.5	1	100	100		2.19	0.000	0.391	0.391	0.507	11/13/2018	15:03
2	ICB		1	100	100		2.28	0.000	0.000	0.000	0.000	11/13/2018	15:04
3	CCV1	0.5	1	100	100		1.77	0.000	0.392	0.392	0.508	11/13/2018	15:04
4	CCB1		1	100	100		2.03	0.000	0.000	0.000	0.000	11/13/2018	15:05
5	PB114793BL		1	2.55	100	7.25	2.41	0.000	0.000	0.000	0.000	11/13/2018	15:05
6	PB114793BS	20	1	2.53	100	7.63	2.38	0.000	0.379	0.379	0.491	11/13/2018	15:06
7	J5766-01		1	2.55	100	7.88	1.75	0.008	0.008	0.000	0.000	11/13/2018	15:06
8	J5892-01		1	2.53	100	7.49	1.99	0.011	0.011	0.000	0.000	11/13/2018	15:07
9	J5906-01		1	2.50	100	7.10	2.08	0.016	0.016	0.000	0.000	11/13/2018	15:07
10	J5907-07		1	2.54	100	7.54	2.04	0.028	0.028	0.000	0.000	11/13/2018	15:08
11	J5907-20		1	2.51	100	7.66	1.81	0.019	0.019	0.000	0.000	11/13/2018	15:08
12	J5907-21		1	2.54	100	7.54	2.04	0.028	0.028	0.000	0.000	11/13/2018	15:08
13	J5907-22		1	2.50	100	7.20	2.24	0.009	0.013	0.004	0.005	11/13/2018	15:09
14	J5907-23		1	2.53	100	7.13	2.33	0.034	0.045	0.011	0.014	11/13/2018	15:09
15	CCV2	0.5	1	100	100		1.90	0.000	0.392	0.392	0.508	11/13/2018	15:10
16	CCB2		1	100	100		1.84	0.000	0.000	0.000	0.000	11/13/2018	15:10
17	J5923-01		1	2.51	100	7.04	1.66	0.007	0.010	0.003	0.004	11/13/2018	15:11
18	J5925-03		1	2.55	100	7.96	2.15	0.008	0.010	0.002	0.002	11/13/2018	15:11
19	J5925-03DUP		1	2.50	100	7.78	2.30	0.007	0.009	0.002	0.002	11/13/2018	15:12
20	J5925-03MSPre	40	2	2.54	100	7.31	1.74	0.009	0.370	0.361	0.468	11/13/2018	15:12
21	J5925-03MS2Ins	1284	40	2.50	100	7.33	1.66	0.006	0.599	0.593	0.769	11/13/2018	15:13
22	J5925-03MS3Post	40	2	2.51	100	7.63	1.92	0.011	0.373	0.362	0.469	11/13/2018	15:13
23	J5925-07		1	2.52	100	7.44	2.18	0.005	0.005	0.000	0.000	11/13/2018	15:14
24	J5925-11		1	2.50	100	7.21	2.39	0.007	0.007	0.000	0.000	11/13/2018	15:14
25	J5925-15		1	2.53	100	7.63	1.55	0.029	0.029	0.000	0.000	11/13/2018	15:15
26	PB114794BL		1	2.54	100	7.11	1.72	0.000	0.000	0.000	0.000	11/13/2018	15:15
27	CCV3	0.5	1	100	100		2.05	0.000	0.393	0.393	0.509	11/13/2018	15:16
28	CCB3		1	100	100		2.31	0.000	0.000	0.000	0.000	11/13/2018	15:16
29	PB114794BS	20	1	2.55	100	7.48	2.47	0.000	0.374	0.374	0.485	11/13/2018	15:17
30	J5770-01		1	2.51	100	7.90	2.33	0.025	0.025	0.000	0.000	11/13/2018	15:17
31	J5770-03		1	2.55	100	7.81	2.21	0.016	0.016	0.000	0.000	11/13/2018	15:18
32	J5908-03		1	2.53	100	7.64	1.63	0.007	0.011	0.004	0.005	11/13/2018	15:18
33	J5908-07		1	2.50	100	7.12	1.52	0.008	0.013	0.005	0.006	11/13/2018	15:19
34	J5908-11		1	2.52	100	7.36	1.69	0.010	0.018	0.008	0.010	11/10/2018	15:19
35	J5908-15		1	2.51	100	7.32	2.44	0.013	0.019	0.006	0.007	11/13/2018	15:20
36	J5908-19		1	2.50	100	7.11	2.15	0.011	0.015	0.004	0.005	11/13/2018	15:20
37	J5908-23		1	2.53	100	7.07	1.78	0.040	0.040	0.000	0.000	11/13/2018	15:21
38	J5908-27		1	2.55	100	7.58	1.90	0.031	0.031	0.000	0.000	11/13/2018	15:21
39	CCV4	0.5	1	100	100		1.88	0.000	0.393	0.393	0.509	11/13/2018	15:22
40	CCB4		1	100	100		2.15	0.000	0.000	0.000	0.000	11/13/2018	15:22
41	J5909-03		1	2.51	100	7.32	2.16	0.019	0.019	0.000	0.000	11/13/2018	15:23
42	J5909-07		1	2.52	100	7.61	1.77	0.011	0.011	0.000	0.000	11/13/2018	15:23

43	J5909-11		1	2.52	100	7.24	1.63	0.014	0.014	0.000	0.000	11/13/2018	15:24
44	J5910-03		1	2.54	100	7.47	2.44	0.009	0.009	0.000	0.000	11/13/2018	15:24
45	J5910-03DUP		1	2.51	100	7.63	2.10	0.008	0.008	0.000	0.000	11/13/2018	15:25
46	J5910-03MSPre	40	2	2.53	100	7.21	1.88	0.010	0.357	0.347	0.450	11/13/2018	15:25
47	J5910-03MS2Ins	1284	40	2.50	100	7.10	1.93	0.006	0.577	0.571	0.740	11/13/2018	15:26
48	J5910-03MS3Post	40	2	2.55	100	7.65	1.72	0.011	0.360	0.349	0.452	11/13/2018	15:26
49	J5910-07		1	2.50	100	7.77	2.28	0.012	0.012	0.000	0.000	11/13/2018	15:27
50	CCV5	0.5	1	100	100		2.36	0.000	0.393	0.393	0.509	11/13/2018	15:27
51	CCB5		1	100	100		1.72	0.000	0.000	0.000	0.000	11/13/2018	15:28