



Analytical Summary Report

Analysis Method: 7196A

ANALYST: Daniel

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: apatel

Run Number: LB106951

pH Meter ID: WC PH METER-1

Reagent/Standard	Lot/Log #
Calibration STD HexaChrome 1 PPM	WP80811
Calibration STD Hexa Chrome 0.5 PPM	WP80821
Calibration Std. hexchrome 0.1 ppm	WP80812
Calibration Std. hexchrome 0.05 ppm	WP80814
calibration std. hexchrome 0.01 ppm	WP80815
calibration std. hexchrome 0 ppm	WP80816
Hexavalent Chromium ICV Std.	WP80820
Hexavalent Chromium CCV Std	WP80818
Hexavalent Chromium LCS Std	WP80819
hexavalent chromium color reagent	WP80785
HNO3 Hex-Chrome, 5M	WP76601

Intercept: -0.0004

Slope: 0.8001

Regression: 0.999998

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		1.56	0.000	0.000	0.000	12/27/2019	11:00
2	CAL2	0.01	1	100	100		1.63	0.000	0.008	0.008	12/27/2019	11:01
3	CAL3	0.025	1	100	100		1.65	0.000	0.020	0.020	12/27/2019	11:02
4	CAL4	0.05	1	100	100		2.05	0.000	0.039	0.039	12/27/2019	11:03
5	CAL5	0.1	1	100	100		1.65	0.000	0.079	0.079	12/27/2019	11:04
6	CAL6	0.5	1	100	100		2.01	0.000	0.399	0.399	12/27/2019	11:05
7	CAL7	1	1	100	100		1.60	0.000	0.800	0.800	12/27/2019	11:06

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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		1.98	0.000	0.385	0.385	0.482	12/27/2019	11:07
2	ICB		1	100	100		2.05	0.000	0.000	0.000	0.000	12/27/2019	11:08
3	CCV1	0.5	1	100	100		2.06	0.000	0.378	0.378	0.473	12/27/2019	11:09
4	CCB1		1	100	100		2.05	0.000	0.000	0.000	0.000	12/27/2019	11:10
5	PB125759BL		1	2.53	100	7.50	2.01	0.000	0.000	0.000	0.000	12/27/2019	11:11
6	PB125759BS	20	1	2.51	100	7.65	1.98	0.003	0.375	0.372	0.465	12/27/2019	11:12
7	K6350-01		1	2.53	100	7.15	2.05	0.032	0.033	0.001	0.002	12/27/2019	11:13
8	K6350-01DUP		1	2.51	100	7.30	2.06	0.031	0.032	0.001	0.002	12/27/2019	11:14
9	K6350-01MSPre	40	2	2.50	100	7.32	2.04	0.036	0.177	0.141	0.177	12/27/2019	11:15
10	K6350-01MS2Ins	1284	40	2.54	100	7.50	2.07	0.004	0.652	0.648	0.810	12/27/2019	11:16
11	K6350-01MS3Post	40	2	2.51	100	7.46	2.04	0.079	0.222	0.143	0.179	12/27/2019	11:17
12	K6436-06		1	2.52	100	7.44	2.06	0.025	0.027	0.002	0.003	12/27/2019	11:18
13	K6436-07		1	2.53	100	7.52	2.07	0.031	0.032	0.001	0.002	12/27/2019	11:19
14	K6437-01		1	2.54	100	7.63	2.05	0.089	0.091	0.002	0.003	12/27/2019	11:20
15	CCV2	0.5	1	100	100		2.06	0.000	0.391	0.391	0.489	12/27/2019	11:21
16	CCB2		1	100	100		2.04	0.000	0.000	0.000	0.000	12/27/2019	11:22
17	K6437-02		1	2.51	100	7.66	2.05	0.069	0.071	0.002	0.003	12/27/2019	11:23
18	K6437-03		1	2.50	100	7.48	2.06	0.059	0.061	0.002	0.003	12/27/2019	11:24
19	K6437-04		1	2.52	100	7.65	2.04	0.032	0.034	0.002	0.003	12/27/2019	11:25
20	K6437-05		1	2.53	100	7.55	2.06	0.035	0.037	0.002	0.003	12/27/2019	11:56
21	K6437-06		1	2.52	100	7.48	2.04	0.024	0.026	0.002	0.003	12/27/2019	11:57
22	K6437-07		1	2.51	100	7.63	2.07	0.069	0.071	0.002	0.003	12/27/2019	11:58
23	K6437-08		1	2.53	100	7.49	2.04	0.013	0.015	0.002	0.003	12/27/2019	11:59
24	CCV3	0.5	1	100	100		2.05	0.000	0.390	0.390	0.488	12/27/2019	12:00
25	CCB3		1	100	100		2.08	0.000	0.000	0.000	0.000	12/27/2019	12:01

WORKLIST(Hardcopy Internal Chain)

WorkList Name : HEXCHROM122619

Department : Distillation

WorkList ID : 134585

Date : 12-26-2019 15:47:47

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
12/31/2019	Solid	K6436-06	Hexavalent Chromium	Cool 4 deg C	ATCE02	E21	K009-WC-1	12/24/2019	7196A
12/31/2019	Solid	K6436-07	Hexavalent Chromium	Cool 4 deg C	ATCE02	E21	K009-WC-2	12/24/2019	7196A
01/06/2020	Solid	K6437-01	Hexavalent Chromium	Cool 4 deg C	DVIR01	E51	GP-2-(1-3)	12/23/2019	7196A
01/06/2020	Solid	K6437-02	Hexavalent Chromium	Cool 4 deg C	DVIR01	E51	GP-2-(3-5)	12/23/2019	7196A
01/06/2020	Solid	K6437-03	Hexavalent Chromium	Cool 4 deg C	DVIR01	E51	GP-1-(1-3)	12/23/2019	7196A
01/06/2020	Solid	K6437-04	Hexavalent Chromium	Cool 4 deg C	DVIR01	E51	GP-1-(3-5)	12/23/2019	7196A
01/06/2020	Solid	K6437-05	Hexavalent Chromium	Cool 4 deg C	DVIR01	E51	GP-3-(1-3)	12/23/2019	7196A
01/06/2020	Solid	K6437-06	Hexavalent Chromium	Cool 4 deg C	DVIR01	E51	GP-3-(3-5)	12/23/2019	7196A
01/06/2020	Solid	K6437-07	Hexavalent Chromium	Cool 4 deg C	DVIR01	E51	GP-5-(5-6)	12/23/2019	7196A
01/06/2020	Solid	K6437-08	Hexavalent Chromium	Cool 4 deg C	DVIR01	E51	GP-5-(6-8)	12/23/2019	7196A
12/23/2019	Solid	K6350-01	Hexavalent Chromium	Cool 4 deg C	PSEG01	H22	RO-1-3	12/17/2019	7196A

Date/Time 12/27/19 7:30
 Received by: Dk
 Relinquished by: Jd

Date/Time 12/27/19 08:20
 Received by: Jd
 Relinquished by: Dk