

Analytical Summary Report

Analysis Method: SM3500-Cr B

ANALYST: Iwona

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: jignesh

Run Number: LB132893

pH Meter ID: WC pH Meter-1

Reagent/Standard	Lot/Log #
Calibration Std. hexchrome 0.1 ppm	WP110174
Calibration Std. hexchrome 0.05 ppm	WP110172
calibration std. hexchrome 0.01 ppm	WP110171
calibration std. hexchrome 0 ppm	WP110170
hexavalent chromium color reagent	WP110108
0.2N SULFURIC ACID	WP109325
HEX LOD STD, 0.005PPM	WP110179
Hex LOQ Std, 0.01PPM	WP110178
Calibration Std Hexachrome 0.025 ppm	WP110173
Hexavalent Chromium ICV-LCS Std	WP110177
Calibration and CCV std HexChrome 0.5PPM	WP110175
Calibration std HexChrome 1.0PPM	WP110176

Intercept: 0.0005

Slope: 0.7801

Regression: 0.999993

Seq	Lab ID	True Value (mg/l)	DF	Initial Vol (ml)	Final Vol (ml)	pH HN03	pH H2SO4	Absorb.at 540nm		Absorbance Difference	Result (mg/L)	%D	Anal Date	Anal Time
								Backgrnd	Color					
1	CAL1	0	1	100	100		1.74	0.000	0.000	0.000	-0.00		10/11/2024	16:30
2	CAL2	0.01	1	100	100		1.86	0.000	0.010	0.010	0.012	20	10/11/2024	16:31
3	CAL3	0.025	1	100	100		1.89	0.000	0.019	0.019	0.023	-8	10/11/2024	16:32
4	CAL4	0.05	1	100	100		1.88	0.000	0.039	0.039	0.049	-2	10/11/2024	16:33
5	CAL5	0.1	1	100	100		1.90	0.000	0.078	0.078	0.099	-1	10/11/2024	16:34
6	CAL6	0.5	1	100	100		1.91	0.000	0.392	0.392	0.501	0.2	10/11/2024	16:35
7	CAL7	1	1	100	100		1.88	0.000	0.780	0.780	0.999	-0.1	10/11/2024	16:36

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pH Meter ID: WC pH Meter-1

Seq	Lab ID	True Value	DF	Initial Vol (ml/gm)	Final Vol (ml)	pH HN03	pH H2SO4	Absorb.at540nm		Absorbance Difference	Intermediate Result (mg/L)	Anal Date	Anal Time
								Backgrnd	Color				
1	ICV	0.5	1	100	100		1.92	0.000	0.391	0.391	0.501	10/11/2024	16:37
2	ICB		1	100	100		1.76	0.000	0.001	0.001	0.001	10/11/2024	16:38
3	CCV1	0.5	1	100	100		1.96	0.000	0.391	0.391	0.501	10/11/2024	16:39
4	CCB1		1	100	100		1.74	0.000	0.000	0.000	-0.001	10/11/2024	16:40
5	RL Check	0.01	1	100	100		1.90	0.000	0.010	0.010	0.012	10/11/2024	16:41
6	LB132893BL		1	100	100		1.78	0.000	0.001	0.001	0.001	10/11/2024	16:42
7	LB132893BS	0.5	1	100	100		1.90	0.000	0.390	0.390	0.499	10/11/2024	16:43
8	P4368-10		1	100	100		2.02	0.000	0.004	0.004	0.004	10/11/2024	16:44
9	P4368-11		1	100	100		2.02	0.000	0.008	0.008	0.010	10/11/2024	16:45
10	P4396-01		1	100	100		2.06	0.000	0.000	0.000	-0.001	10/11/2024	16:46
11	P4396-01DU		1	100	100		2.06	0.000	0.000	0.000	-0.001	10/11/2024	16:47
12	P4396-01MS	1	2	100	100		2.10	0.000	0.387	0.387	0.495	10/11/2024	16:48
13	P4396-01MS	1	2	100	100		2.06	0.000	0.389	0.389	0.498	10/11/2024	16:50
14	CCV2	0.5	1	100	100		1.92	0.000	0.392	0.392	0.502	10/11/2024	16:51
15	CCB2		1	100	100		1.79	0.000	0.000	0.000	-0.001	10/11/2024	16:52

WORKLIST(Hardcopy Internal Chain)

LB132893

WorkList Name : hex-101124 WorkList ID : 184372 Department : Wet-Chemistry Date : 10-11-2024 15:40:31

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4368-10	LOD-MDL-WATER-04-QT4-202	Water	Hexavalent Chromium	Cool 4 deg C	CHEM02	QA Of	10/09/2024	SM3500-Cr B
P4368-11	LOQ-WATER-05-QT4-2024	Water	Hexavalent Chromium	Cool 4 deg C	CHEM02	QA Of	10/09/2024	SM3500-Cr B
P4396-01	WASTE-WATER-FRAC-TANK	Water	Hexavalent Chromium	Ammonium sulfate buffer	PSEG03	K32	10/11/2024	SM3500-Cr B

Date/Time 10/11/24 15:45
 Raw Sample Received by: 12(51)
 Raw Sample Relinquished by: 18(696)

Date/Time 10/11/24 16:20
 Raw Sample Received by: 18(696)
 Raw Sample Relinquished by: 12(51)