

Analytical Summary Report

Analysis Method: SM3500-Cr B

ANALYST: rubina

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: Iwona

Run Number: LB133771

pH Meter ID: WC pH Meter-1

Reagent/Standard	Lot/Log #
Calibration Std. hexchrome 0.1 ppm	WP110982
Calibration Std. hexchrome 0.05 ppm	WP110981
calibration std. hexchrome 0.01 ppm	WP110979
calibration std. hexchrome 0 ppm	WP110978
hexavalent chromium color reagent	WP110922
0.2N SULFURIC ACID	WP109325
Calibration Std Hexachrome 0.025 ppm	WP110980
Hexavalent Chromium ICV-LCS Std	WP110985
Calibration and CCV std HexChrome 0.5PPM	WP110983
Calibration std HexChrome 1.0PPM	WP110984

Intercept: -0.0003

Slope: 0.7812

Regression: 0.999996

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		1.81	0.000	0.000	0.000	0.000		12/05/2024	17:50
2	CAL2	0.01	1	100	100		1.92	0.000	0.009	0.009	0.011	10	12/05/2024	17:51
3	CAL3	0.025	1	100	100		1.88	0.000	0.018	0.018	0.023	-8	12/05/2024	17:52
4	CAL4	0.05	1	100	100		1.90	0.000	0.038	0.038	0.049	-2	12/05/2024	17:53
5	CAL5	0.1	1	100	100		1.90	0.000	0.078	0.078	0.100	0	12/05/2024	17:54
6	CAL6	0.5	1	100	100		1.87	0.000	0.390	0.390	0.499	-0.2	12/05/2024	17:55
7	CAL7	1	1	100	100		1.90	0.000	0.781	0.781	1.000	0	12/05/2024	17:56

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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		1.95	0.000	0.390	0.390	0.500	12/05/2024	17:57
2	ICB		1	100	100		1.77	0.000	0.000	0.000	0.000	12/05/2024	17:58
3	CCV1	0.5	1	100	100		1.93	0.000	0.392	0.392	0.502	12/05/2024	17:59
4	CCB1		1	100	100		1.79	0.000	0.000	0.000	0.000	12/05/2024	18:00
5	RL Check	0.01	1	100	100		1.92	0.000	0.009	0.009	0.012	12/05/2024	18:01
6	lb133771BL		1	100	100		1.80	0.000	0.000	0.000	0.000	12/05/2024	18:02
7	lb133771BS	0.5	1	100	100		1.96	0.000	0.398	0.398	0.510	12/05/2024	18:03
8	P5145-01		1	100	100		2.10	0.000	0.000	0.000	0.000	12/05/2024	18:04
9	P5145-01DU		1	100	100		2.10	0.000	0.000	0.000	0.000	12/05/2024	18:05
10	P5145-01MS	1	2	100	100		2.13	0.000	0.381	0.381	0.488	12/05/2024	18:06
11	P5145-01MS	1	2	100	100		2.15	0.000	0.383	0.383	0.491	12/05/2024	18:07
12	CCV2	0.5	1	100	100		1.94	0.000	0.390	0.390	0.500	12/05/2024	18:08
13	CCB2		1	100	100		1.78	0.000	0.000	0.000	0.000	12/05/2024	18:09

WORKLIST(Hardcopy Internal Chain)

6133771

WorkList Name : hex-w12-05

WorkList ID : 186016

Department : Wet-Chemistry

Date : 12-05-2024 14:21:58

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5145-01	286085	Water	Hexavalent Chromium	Ammonium sulfate buffer	PSEG03	L51	12/05/2024	SM3500-Cr B

Date/Time12/05/202416:10

Raw Sample Received by:RM CWC

Raw Sample Relinquished by:RM CWC

Date/Time12/05/202417:00

Raw Sample Received by:RM CWC

Raw Sample Relinquished by:RM CWC