

**Analytical Summary Report**

Analysis Method: SM3500-Cr B

ANALYST: rubina

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: Iwona

Run Number: LB134746

pH Meter ID: WC pH Meter-1

Reagent/Standard	Lot/Log #
Calibration Std. hexchrome 0.1 ppm	WP111969
Calibration Std. hexchrome 0.05 ppm	WP111968
calibration std. hexchrome 0.01 ppm	WP111966
calibration std. hexchrome 0 ppm	WP111964
hexavalent chromium color reagent	WP111960
0.2N SULFURIC ACID	WP111959
HEX LOD STD, 0.005PPM	WP111973
Hex LOQ Std, 0.01PPM	WP111974
Calibration Std Hexachrome 0.025 ppm	WP111967
Hexavalent Chromium ICV-LCS Std	WP111972
Calibration and CCV std HexChrome 0.5PPM	WP111970
Calibration std HexChrome 1.0PPM	WP111971

Intercept: -0.0003

Slope: 0.7813

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		1.84	0.000	0.000	0.000	0.000		02/19/2025	14:50
2	CAL2	0.01	1	100	100		1.91	0.000	0.007	0.007	0.009	-10	02/19/2025	14:51
3	CAL3	0.025	1	100	100		1.93	0.000	0.018	0.018	0.023	-8	02/19/2025	14:52
4	CAL4	0.05	1	100	100		1.89	0.000	0.038	0.038	0.049	-2	02/19/2025	14:53
5	CAL5	0.1	1	100	100		1.91	0.000	0.079	0.079	0.101	1	02/19/2025	14:54
6	CAL6	0.5	1	100	100		1.90	0.000	0.392	0.392	0.502	0.4	02/19/2025	14:55
7	CAL7	1	1	100	100		1.89	0.000	0.780	0.780	0.998	-0.2	02/19/2025	14:56



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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. at 540nm		Absorbance Difference	Intermediate Result (mg/L)	Anal Date	Anal Time
								Backgrnd	Color				
1	ICV	0.5	1	100	100		1.98	0.000	0.390	0.390	0.500	02/19/2025	14:57
2	ICB		1	100	100		1.82	0.000	0.000	0.000	0.000	02/19/2025	14:58
3	CCV1	0.5	1	100	100		1.96	0.000	0.394	0.394	0.505	02/19/2025	14:59
4	CCB1		1	100	100		1.79	0.000	0.000	0.000	0.000	02/19/2025	15:00
5	RL Check	0.01	1	100	100		1.92	0.000	0.008	0.008	0.011	02/19/2025	15:01
6	LB134746BL		1	100	100		1.80	0.000	0.000	0.000	0.000	02/19/2025	15:02
7	LB134746BS	0.5	1	100	100		1.98	0.000	0.401	0.401	0.514	02/19/2025	15:03
8	Q1168-10		1	100	100		2.01	0.000	0.005	0.005	0.007	02/19/2025	15:04
9	Q1168-11		1	100	100		2.00	0.000	0.008	0.008	0.011	02/19/2025	15:05
10	Q1393-05		1	100	100		2.17	0.000	0.000	0.000	0.000	02/19/2025	15:06
11	Q1393-05DU		1	100	100		2.15	0.000	0.000	0.000	0.000	02/19/2025	15:07
12	Q1393-05MS	1	2	100	100		2.18	0.000	0.396	0.396	0.507	02/19/2025	15:08
13	Q1393-05MS	1	2	100	100		2.17	0.000	0.397	0.397	0.509	02/19/2025	15:09
14	CCV2	0.5	1	100	100		1.99	0.000	0.391	0.391	0.501	02/19/2025	15:10
15	CCB2		1	100	100		1.79	0.000	0.000	0.000	0.000	02/19/2025	15:11

# WORKLIST(Hardcopy Internal Chain)

LB 134746

WorkList Name : hex-w-2-18

WorkList ID : 187743

Department : Wet-Chemistry

Date : 02-18-2025 09:26:38

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1168-10	LOD-MDL-WATER-04-QT1-202	Water	Hexavalent Chromium	Cool 4 deg C	CHEM02	QA 01	01/23/2025	SM3500-Cr B
Q1168-11	LOQ-WATER-05-QT1-2025	Water	Hexavalent Chromium	Cool 4 deg C	CHEM02	QA 01	01/23/2025	SM3500-Cr B
Q1393-05 F	PURGE-WATER-COMP	Water	Hexavalent Chromium	Ammonium sulfate buffer	PSEG03	H21	02/19/2025	SM3500-Cr B

Date/Time 02/19/2025 13:40  
 Raw Sample Received by: RM CWL  
 Raw Sample Relinquished by: JM WOC

Date/Time 02/19/2025 15:30  
 Raw Sample Received by: JM WOC  
 Raw Sample Relinquished by: RM CWL