

Analytical Summary Report

Analysis Method: SM3500-Cr B

ANALYST: Rubina

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: Iwona

Run Number: LB130858

pH Meter ID: WC pH Meter-1

Reagent/Standard	Lot/Log #
Calibration Std. hexchrome 0.1 ppm	WP108034
Calibration Std. hexchrome 0.05 ppm	WP108033
calibration std. hexchrome 0.01 ppm	WP108031
calibration std. hexchrome 0 ppm	WP108030
hexavalent chromium color reagent	WP107966
0.2N SULFURIC ACID	WP106542
HEX LOD STD, 0.005PPM	WP108048
Hex LOQ Std, 0.01PPM	WP108049
Calibration Std Hexachrome 0.025 ppm	WP108032
Hexavalent Chromium ICV-LCS Std	WP108037
Calibration and CCV std HexChrome 0.5PPM	WP108035
Calibration std HexChrome 1.0PPM	WP108036

Intercept: 0.0005

Slope: 0.7817

Regression: 0.999995

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		1.77	0.000	0.000	0.000	-0.00		05/21/2024	15:40
2	CAL2	0.01	1	100	100		1.85	0.000	0.010	0.010	0.012	20	05/21/2024	15:41
3	CAL3	0.025	1	100	100		1.87	0.000	0.019	0.019	0.023	-8	05/21/2024	15:42
4	CAL4	0.05	1	100	100		1.88	0.000	0.039	0.039	0.049	-2	05/21/2024	15:43
5	CAL5	0.1	1	100	100		1.84	0.000	0.079	0.079	0.100	0	05/21/2024	15:44
6	CAL6	0.5	1	100	100		1.89	0.000	0.392	0.392	0.500	0	05/21/2024	15:45
7	CAL7	1	1	100	100		1.88	0.000	0.782	0.782	0.999	-0.1	05/21/2024	15:46



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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		1.93	0.000	0.391	0.391	0.500	05/21/2024	15:47
2	ICB		1	100	100		1.75	0.000	0.000	0.000	-0.001	05/21/2024	15:48
3	CCV1	0.5	1	100	100		1.95	0.000	0.392	0.392	0.501	05/21/2024	15:49
4	CCB1		1	100	100		1.78	0.000	0.000	0.000	-0.001	05/21/2024	15:50
5	RL Check	0.01	1	100	100		1.92	0.000	0.009	0.009	0.011	05/21/2024	15:51
6	LB130858BL		1	100	100		1.73	0.000	0.000	0.000	-0.001	05/21/2024	15:52
7	LB130858BS	0.5	1	100	100		1.92	0.000	0.400	0.400	0.511	05/21/2024	15:53
8	P2403-10		1	100	100		2.00	0.000	0.004	0.004	0.004	05/21/2024	15:54
9	P2403-11		1	100	100		2.02	0.000	0.008	0.008	0.010	05/21/2024	15:55
10	P2563-03		1	100	100		2.10	0.000	0.000	0.000	-0.001	05/21/2024	15:56
11	P2563-03DU		1	100	100		2.14	0.000	0.000	0.000	-0.001	05/21/2024	15:57
12	P2563-03MS	1	2	100	100		2.10	0.000	0.357	0.357	0.456	05/21/2024	15:58
13	P2563-03MS	1	2	100	100		2.12	0.000	0.359	0.359	0.459	05/21/2024	15:59
14	CCV2	0.5	1	100	100		1.95	0.000	0.390	0.390	0.498	05/21/2024	16:00
15	CCB2		1	100	100		1.79	0.000	0.000	0.000	-0.001	05/21/2024	16:01