

Analytical Summary Report

Analysis Method: SM3500-Cr B

ANALYST: Niha

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: Iwona

Run Number: LB134359

pH Meter ID: ph Meter-1

Reagent/Standard	Lot/Log #
Calibration Std. hexchrome 0.1 ppm	WP111498
Calibration Std. hexchrome 0.05 ppm	WP111497
calibration std. hexchrome 0.01 ppm	WP111496
calibration std. hexchrome 0 ppm	WP111495
hexavalent chromium color reagent	WP111464
0.2N SULFURIC ACID	WP109325
Calibration Std Hexachrome 0.025 ppm	WP111499
Hexavalent Chromium ICV-LCS Std	WP111502
Calibration and CCV std HexChrome 0.5PPM	WP111500
Calibration std HexChrome 1.0PPM	WP111501

Intercept: 0.0007

Slope: 0.7804

Regression: 0.999975

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		1.98	0.000	0.000	0.000	-0.00		01/21/2025	12:45
2	CAL2	0.01	1	100	100		2.08	0.000	0.007	0.007	0.008	-20	01/21/2025	12:46
3	CAL3	0.025	1	100	100		2.14	0.000	0.020	0.020	0.024	-4	01/21/2025	12:47
4	CAL4	0.05	1	100	100		1.80	0.000	0.039	0.039	0.049	-2	01/21/2025	12:48
5	CAL5	0.1	1	100	100		2.36	0.000	0.080	0.080	0.101	1	01/21/2025	12:49
6	CAL6	0.5	1	100	100		2.15	0.000	0.395	0.395	0.505	1	01/21/2025	12:50
7	CAL7	1	1	100	100		1.87	0.000	0.779	0.779	0.997	-0.3	01/21/2025	12:51

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pH Meter ID: 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		2.06	0.000	0.385	0.385	0.492	01/21/2025	12:52
2	ICB		1	100	100		1.89	0.000	0.000	0.000	-0.001	01/21/2025	12:53
3	CCV1	0.5	1	100	100		2.33	0.000	0.394	0.394	0.504	01/21/2025	12:54
4	CCB1		1	100	100		2.08	0.000	0.001	0.001	0.000	01/21/2025	12:55
5	RL Check	0.01	1	100	100		1.74	0.000	0.007	0.007	0.008	01/21/2025	12:56
6	LB134359BL		1	100	100		1.59	0.000	0.001	0.001	0.000	01/21/2025	12:57
7	LB134359BS	0.5	1	100	100		1.90	0.000	0.389	0.389	0.498	01/21/2025	12:58
8	Q1140-01		1	100	100		2.41	0.027	0.028	0.001	0.000	01/21/2025	12:59
9	Q1140-01DU		1	100	100		2.15	0.027	0.027	0.000	-0.001	01/21/2025	13:00
10	Q1140-01MS	1	2	100	100		1.69	0.028	0.396	0.368	0.471	01/21/2025	13:01
11	Q1140-01MS	1	2	100	100		2.25	0.027	0.384	0.357	0.457	01/21/2025	13:02
12	CCV2	0.5	1	100	100		2.28	0.000	0.391	0.391	0.500	01/21/2025	13:03
13	CCB2		1	100	100		2.03	0.000	0.000	0.000	-0.001	01/21/2025	13:04

WORKLIST(Hardcopy Internal Chain)

LB134359

WorkList Name : HEX-012125

WorkList ID : 187043

Department : Wet-Chemistry

Date : 01-21-2025 11:47:11

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1140-01	FRAC-TANK-F06078	Water	Hexavalent Chromium	Ammonium sulfate buffer	PSEG03	E11	01/21/2025	SM3500-Cr B

Date/Time 01/21/25 12:10
 Raw Sample Received by: NFWC
 Raw Sample Relinquished by: NFWC

Date/Time 01/21/25 13:15
 Raw Sample Received by: NFWC
 Raw Sample Relinquished by: NFWC