



Analytical Summary Report

Analysis Method: SM3500-Cr B

ANALYST: Rubina

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: Iwona

Run Number: LB126523

pH Meter ID: WC pH Meter-1

Reagent/Standard	Lot/Log #
Calibration Std. hexchrome 0.1 ppm	WP103337
Calibration Std. hexchrome 0.05 ppm	WP103336
calibration std. hexchrome 0.01 ppm	WP103334
calibration std. hexchrome 0 ppm	WP103333
hexavalent chromium color reagent	WP103343
0.2N SULFURIC ACID	WP100769
HEX LOD STD, 0.005PPM	WP103341
Hex LOQ Std, 0.01PPM	WP103342
Calibration Std Hexachrome 0.025 ppm	WP103335
Hexavalent Chromium ICV-LCS Std	WP103340
Calibration and CCV std HexChrome 0.5PPM	WP103338
Calibration std HexChrome 1.0PPM	WP103339

Intercept: -0.0001

Slope: 0.7813

Regression: 0.999994

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		1.80	0.000	0.000	0.000	0.000		07/19/2023	17:20
2	CAL2	0.01	1	100	100		1.88	0.000	0.009	0.009	0.011	10	07/19/2023	17:21
3	CAL3	0.025	1	100	100		1.87	0.000	0.018	0.018	0.023	-8	07/19/2023	17:22
4	CAL4	0.05	1	100	100		1.88	0.000	0.038	0.038	0.048	-4	07/19/2023	17:23
5	CAL5	0.1	1	100	100		1.87	0.000	0.079	0.079	0.101	1	07/19/2023	17:24
6	CAL6	0.5	1	100	100		1.93	0.000	0.391	0.391	0.500	0	07/19/2023	17:25
7	CAL7	1	1	100	100		1.88	0.000	0.781	0.781	0.999	-0.1	07/19/2023	17:26



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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	0.390	0.390	0.499	07/19/2023	17:27
2	ICB		1	100	100		1.79	0.000	0.000	0.000	0.000	07/19/2023	17:28
3	CCV1	0.5	1	100	100		1.93	0.000	0.392	0.392	0.502	07/19/2023	17:29
4	CCB1		1	100	100		1.80	0.000	0.000	0.000	0.000	07/19/2023	17:30
5	RL Check	0.01	1	100	100		1.90	0.000	0.009	0.009	0.012	07/19/2023	17:31
6	LB126523BL		1	100	100		1.80	0.000	0.000	0.000	0.000	07/19/2023	17:32
7	LB126523BS	0.5	1	100	100		1.92	0.000	0.397	0.397	0.508	07/19/2023	17:33
8	O3572-10		1	100	100		2.18	0.000	0.004	0.004	0.005	07/19/2023	19:34
9	O3572-11		1	100	100		2.00	0.000	0.008	0.008	0.010	07/19/2023	17:35
10	O3670-01		1	100	100		2.18	0.038	0.039	0.001	0.001	07/19/2023	17:36
11	O3683-01		1	100	100		2.10	0.038	0.038	0.000	0.000	07/19/2023	17:37
12	O3683-01DU		1	100	100		2.12	0.038	0.038	0.000	0.000	07/19/2023	17:38
13	O3683-01MS	1	2	100	100		2.10	0.017	0.373	0.356	0.456	07/19/2023	17:39
14	O3683-01MS	1	2	100	100		2.10	0.022	0.382	0.360	0.461	07/19/2023	17:40
15	CCV2	0.5	1	100	100		1.93	0.000	0.391	0.391	0.501	07/19/2023	17:41
16	CCB2		1	100	100		1.78	0.000	0.000	0.000	0.000	07/19/2023	17:42

WORKLIST(Hardcopy Internal Chain)

6126523

WorkList Name : HEX W 7-19

WorkList ID : 171998

Department : Wet-Chemistry

Date : 07-19-2023 11:47:20

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
O3572-10	LOD-MDL-WATER-04-QT3-202	Water	Hexavalent Chromium	Cool 4 deg C	CHEM02	QA Of	07/11/2023	SM3500-Cr B
O3572-11	LOQ-WATER-05-QT3-2023	Water	Hexavalent Chromium	Cool 4 deg C	CHEM02	QA Of	07/11/2023	SM3500-Cr B
O3670-01	N48909	Water	Hexavalent Chromium	Ammonium sulfate buffer	PSEG03	I11	07/19/2023	SM3500-Cr B
O3683-01	NORTH-TURNPIKE	Water	Hexavalent Chromium	Ammonium sulfate buffer	PSEG03	I11	07/19/2023	SM3500-Cr B

Date/Time 07/19/2023 16:30

Raw Sample Received by: RM

Raw Sample Relinquished by: 7D Co2C1

Date/Time 07/19/2023 17:15

Raw Sample Received by: 7D Co2C1

Raw Sample Relinquished by: RM, CWL