



Analytical Summary Report

Analysis Method: SM3500-Cr B

ANALYST: Rubina

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: Iwona

Run Number: LB129658

pH Meter ID: WC pH Meter-1

Reagent/Standard	Lot/Log #
Calibration Std. hexchrome 0.1 ppm	WP106739
Calibration Std. hexchrome 0.05 ppm	WP106738
calibration std. hexchrome 0.01 ppm	WP106736
calibration std. hexchrome 0 ppm	WP106735
hexavalent chromium color reagent	WP106720
0.2N SULFURIC ACID	WP106542
HEX LOD STD, 0.005PPM	WP106748
Calibration Std Hexachrome 0.025 ppm	WP106737
Hexavalent Chromium ICV-LCS Std	WP106742
Calibration and CCV std HexChrome 0.5PPM	WP106740
Calibration std HexChrome 1.0PPM	WP106741

Intercept: 0.0002

Slope: 0.7813

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		1.75	0.000	0.000	0.000	-0.00		02/23/2024	16:40
2	CAL2	0.01	1	100	100		1.87	0.000	0.010	0.010	0.012	20	02/23/2024	16:41
3	CAL3	0.025	1	100	100		1.85	0.000	0.019	0.019	0.024	-4	02/23/2024	16:42
4	CAL4	0.05	1	100	100		1.88	0.000	0.039	0.039	0.049	-2	02/23/2024	16:43
5	CAL5	0.1	1	100	100		1.86	0.000	0.078	0.078	0.099	-1	02/23/2024	16:44
6	CAL6	0.5	1	100	100		1.91	0.000	0.390	0.390	0.498	-0.4	02/23/2024	16:45
7	CAL7	1	1	100	100		1.88	0.000	0.782	0.782	1.000	0	02/23/2024	16:46



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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		1.91	0.000	0.392	0.392	0.501	02/23/2024	16:47
2	ICB		1	100	100		1.76	0.000	0.000	0.000	0.000	02/23/2024	16:48
3	CCV1	0.5	1	100	100		1.92	0.000	0.391	0.391	0.500	02/23/2024	16:49
4	CCB1		1	100	100		1.74	0.000	0.000	0.000	0.000	02/23/2024	16:50
5	RL Check	0.01	1	100	100		1.91	0.000	0.009	0.009	0.011	02/23/2024	16:51
6	LB129658BL		1	100	100		1.77	0.000	0.000	0.000	0.000	02/23/2024	16:52
7	LB129658BS	0.5	1	100	100		1.92	0.000	0.402	0.402	0.514	02/23/2024	16:53
8	P1187-12		1	100	100		2.02	0.000	0.005	0.005	0.006	02/23/2024	16:54
9	P1583-01		1	100	100		2.06	0.002	0.002	0.000	0.000	02/23/2024	16:55
10	P1583-01DU		1	100	100		2.08	0.002	0.002	0.000	0.000	02/23/2024	16:56
11	P1583-01MS	1	2	100	100		2.08	0.002	0.381	0.379	0.485	02/23/2024	16:57
12	P1583-01MS	1	2	100	100		2.10	0.002	0.387	0.385	0.493	02/23/2024	16:58
13	CCV2	0.5	1	100	100		1.93	0.000	0.390	0.390	0.499	02/23/2024	16:59
14	CCB2		1	100	100		1.78	0.000	0.000	0.000	0.000	02/23/2024	17:00

WORKLIST(Hardcopy Internal Chain)

66129658

WorkList Name : hex w0223

WorkList ID : 178137

Department : Wet-Chemistry

Date : 02-23-2024 13:54:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P1187-12	MDL-WATER-06-QT1-2024	Water	Hexavalent Chromium	Cool 4 deg C	CHEM02	QA Of	01/19/2024	SM3500-Cr B
P1583-01	MANHOLE-COMP	Water	Hexavalent Chromium	Ammonium sulfate buffer	PSEG03	E21	02/23/2024	SM3500-Cr B

Date/Time 02/23/2024 15.15
Raw Sample Received by: RM CWC
Raw Sample Relinquished by: RM CWC

Date/Time 02/23/2024 16.00
Raw Sample Received by: RM CWC
Raw Sample Relinquished by: RM CWC