

Analytical Summary Report

Analysis Method: SM3500-Cr B

ANALYST: rubina

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: Iwona

Run Number: LB133368

pH Meter ID: WC pH Meter-1

Reagent/Standard	Lot/Log #
Calibration Std. hexchrome 0.1 ppm	WP110628
Calibration Std. hexchrome 0.05 ppm	WP110627
calibration std. hexchrome 0.01 ppm	WP110625
calibration std. hexchrome 0 ppm	WP110624
hexavalent chromium color reagent	WP110606
0.2N SULFURIC ACID	WP109325
HEX LOD STD, 0.005PPM	WP110632
Calibration Std Hexachrome 0.025 ppm	WP110626
Hexavalent Chromium ICV-LCS Std	WP110631
Calibration and CCV std HexChrome 0.5PPM	WP110629
Calibration std HexChrome 1.0PPM	WP110630

Intercept: 0.0002

Slope: 0.7813

Regression: 0.999997

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		1.82	0.000	0.000	0.000	-0.00		11/08/2024	17:15
2	CAL2	0.01	1	100	100		1.90	0.000	0.009	0.009	0.011	10	11/08/2024	17:16
3	CAL3	0.025	1	100	100		1.85	0.000	0.019	0.019	0.024	-4	11/08/2024	17:17
4	CAL4	0.05	1	100	100		1.87	0.000	0.039	0.039	0.049	-2	11/08/2024	17:18
5	CAL5	0.1	1	100	100		1.90	0.000	0.078	0.078	0.099	-1	11/08/2024	17:19
6	CAL6	0.5	1	100	100		1.91	0.000	0.392	0.392	0.501	0.2	11/08/2024	17:20
7	CAL7	1	1	100	100		1.88	0.000	0.781	0.781	0.999	-0.1	11/08/2024	17:21

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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		1.90	0.000	0.390	0.390	0.499	11/08/2024	17:22
2	ICB		1	100	100		1.78	0.000	0.000	0.000	0.000	11/08/2024	17:23
3	CCV1	0.5	1	100	100		1.94	0.000	0.391	0.391	0.500	11/08/2024	17:24
4	CCB1		1	100	100		1.75	0.0001	0.001	0.001	0.001	11/08/2024	17:25
5	RL Check	0.01	1	100	100		1.90	0.000	0.009	0.009	0.011	11/08/2024	17:26
6	LB133368BL		1	100	100		1.81	0.001	0.001	0.000	0.000	11/08/2024	17:27
7	LB133368BS	0.5	1	100	100		1.92	0.000	0.404	0.404	0.517	11/08/2024	17:28
8	P4368-12		1	100	100		2.02	0.000	0.004	0.004	0.005	11/08/2024	17:29
9	P4791-02		1	100	100		2.10	0.000	0.000	0.000	0.000	11/08/2024	17:30
10	P4792-04		1	100	100		2.16	0.000	0.000	0.000	0.000	11/08/2024	17:31
11	P4792-04DU		1	100	100		2.20	0.000	0.000	0.000	0.000	11/08/2024	17:32
12	P4792-04MS	1	2	100	100		2.14	0.000	0.367	0.367	0.469	11/08/2024	17:33
13	P4792-04MS	1	2	100	100		2.20	0.000	0.364	0.364	0.466	11/08/2024	17:34
14	CCV2	0.5	1	100	100		1.91	0.000	0.390	0.390	0.499	11/08/2024	17:35
15	CCB2		1	100	100		1.79	0.000	0.000	0.000	0.000	11/08/2024	17:36

WORKLIST(Hardcopy Internal Chain)

6133368

WorkList Name : hex-11-08

WorkList ID : 185265

Department : Wet-Chemistry

Date : 11-08-2024 12:24:53

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4368-12	MDL-WATER-06-QT4-2024	Water	Hexavalent Chromium	Cool 4 deg C	CHEM02	QA Of	10/09/2024	SM3500-Cr B
P4791-02	HINCHMAN-OILY-WATER	Water	Hexavalent Chromium	Ammonium sulfate buffer	PSEG03	L23	11/08/2024	SM3500-Cr B
P4792-04	MANHOLE-WASTE-DRUMS	Water	Hexavalent Chromium	Ammonium sulfate buffer	PSEG03	L21	11/08/2024	SM3500-Cr B

Date/Time 11/08/2024 14:50
Raw Sample Received by: RM CWC
Raw Sample Relinquished by: WJ GOLL

Date/Time 11/08/2024 15:25
Raw Sample Received by: MCDC
Raw Sample Relinquished by: RM CWC