

Analytical Summary Report

Analysis Method: SM3500-Cr B

ANALYST: Eman

Parameter: Hexavalent Chromium

SUPERVISOR REVIEW BY: jignesh

Run Number: LB136986

pH Meter ID: WC pH Meter-1

Reagent/Standard	Lot/Log #
Calibration Std. hexchrome 0.1 ppm	WP114455
Calibration Std. hexchrome 0.05 ppm	WP114454
calibration std. hexchrome 0.01 ppm	WP114452
calibration std. hexchrome 0 ppm	WP114451
hexavalent chromium color reagent	WP114364
0.2N SULFURIC ACID	WP114341
Calibration Std Hexachrome 0.025 ppm	WP114453
Hexavalent Chromium ICV-LCS Std	WP114458
Calibration and CCV std HexChrome 0.5PPM	WP114456
Calibration std HexChrome 1.0PPM	WP114457

Intercept: -0.0001

Slope: 0.7801

Regression: 0.999996

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		2.02	0.000	0.000	0.000	0.000		08/27/2025	17:40
2	CAL2	0.01	1	100	100		2.06	0.000	0.009	0.009	0.011	10	08/27/2025	17:40
3	CAL3	0.025	1	100	100		1.90	0.000	0.018	0.018	0.023	-8	08/27/2025	17:41
4	CAL4	0.05	1	100	100		1.98	0.000	0.039	0.039	0.050	0	08/27/2025	17:41
5	CAL5	0.1	1	100	100		1.91	0.000	0.078	0.078	0.100	0	08/27/2025	17:42
6	CAL6	0.5	1	100	100		2.06	0.000	0.390	0.390	0.500	0	08/27/2025	17:42
7	CAL7	1	1	100	100		2.10	0.000	0.780	0.780	1	0	08/27/2025	17:43

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Run Number: LB136986

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		1.94	0.000	0.390	0.390	0.500	08/27/2025	17:43
2	ICB		1	100	100		1.61	0.000	0.000	0.000	0.000	08/27/2025	17:44
3	CCV1	0.5	1	100	100		1.90	0.001	0.392	0.391	0.501	08/27/2025	17:44
4	CCB1		1	100	100		1.89	0.000	0.000	0.000	0.000	08/27/2025	17:45
5	RL Check	0.01	1	100	100		1.94	0.000	0.009	0.009	0.012	08/27/2025	17:45
6	LB136986BL		1	100	100		1.86	0.000	0.000	0.000	0.000	08/27/2025	17:46
7	LB136986BS	0.5	1	100	100		1.97	0.001	0.401	0.400	0.513	08/27/2025	17:46
8	Q2971-37		1	100	100		2.10	0.000	0.000	0.000	0.000	08/27/2025	17:47
9	Q2971-37DU		1	100	100		2.07	0.000	0.000	0.000	0.000	08/27/2025	17:47
10	Q2971-37MS	1	2	100	100		2.16	0.000	0.377	0.377	0.483	08/27/2025	17:48
11	Q2971-37MS	1	2	100	100		2.11	0.000	0.378	0.378	0.485	08/27/2025	17:48
12	CCV2	0.5	1	100	100		1.99	0.000	0.391	0.391	0.501	08/27/2025	17:49
13	CCB2		1	100	100		1.94	0.000	0.000	0.000	0.000	08/27/2025	17:49

WORKLIST(Hardcopy Internal Chain)

6136986

WorkList Name : hex-2971

WorkList ID : 191537

Department : Wet-Chemistry

Date : 08-27-2025 15:52:47

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2971-37	GROUNDWATER	Water	Hexavalent Chromium	Ammonium sulfate buffer	PSEG03	D31	08/27/2025	SM3500-Cr B

Date/Time 08/27/2025 16:20
 Raw Sample Received by: RM LWS
 Raw Sample Relinquished by: JAL (COC)

Date/Time 08/27/2025 17:30
 Raw Sample Received by: JAL (COC)
 Raw Sample Relinquished by: RM LWS