

Analytical Summary Report

Analysis Method: 7196A

ANALYST: rubina

Parameter: ~~Hexavalent Chromium~~

SUPERVISOR REVIEW BY: Iwona

Run Number: LB135412

pH Meter ID: WC pH Meter-1

Reagent/Standard	Lot/Log #
hexavalent chromium color reagent	WP112638
5N sulfuric acid	WP110380
HNO3 Hex-Chrome, 5M	WP110381
Hexchrome Cleaning Solution	WP111249

Intercept: 0.0001

Slope: 0.7609

Regression: 0.999961

Seq	Lab ID	True Value (mg/l)	DF	Initial Vol (ml)	Final Vol (ml)	pH HNO3	pH H2SO4	Absorb.at 540nm		Absorbance Difference	Result (mg/L)	%D	Anal Date	Anal Time
								Backgrnd	Color					
1	CAL1	0	1	100	100	7.25	1.94	0.000	0.000	0.000	-0.00		04/14/2025	12:00
2	CAL2	0.01	1	100	100	7.36	1.99	0.000	0.006	0.006	0.007	-30	04/14/2025	12:01
3	CAL3	0.025	1	100	100	7.39	2.02	0.000	0.021	0.021	0.027	8	04/14/2025	12:02
4	CAL4	0.05	1	100	100	7.42	1.90	0.000	0.038	0.038	0.049	-2	04/14/2025	12:03
5	CAL5	0.1	1	100	100	7.52	1.88	0.000	0.079	0.079	0.103	3	04/14/2025	12:04
6	CAL6	0.5	1	100	100	7.45	1.92	0.000	0.376	0.376	0.494	-1.2	04/14/2025	12:05
7	CAL7	1	1	100	100	7.38	1.88	0.000	0.763	0.763	1.002	0.2	04/14/2025	12:06

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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	7.44	2.06	0.000	0.374	0.374	0.491	04/14/2025	12:07
2	ICB		1	100	100	7.29	1.92	0.000	0.001	0.001	0.001	04/14/2025	12:08
3	CCV1	0.5	1	100	100	7.43	1.97	0.000	0.381	0.381	0.501	04/14/2025	12:09
4	CCB1		1	100	100	7.24	1.80	0.000	0.000	0.000	0.000	04/14/2025	12:10
5	RL Check	0.01	1	100	100	7.40	1.93	0.000	0.008	0.008	0.010	04/14/2025	12:11
6	PB167586BL		1	2.50	100	7.32	1.83	0.000	0.001	0.001	0.001	04/14/2025	12:12
7	PB167586BS	20	1	2.50	100	7.42	1.98	0.000	0.373	0.373	0.490	04/14/2025	12:13
8	Q1779-01		1	2.57	100	7.59	2.10	0.003	0.004	0.001	0.001	04/14/2025	12:14
9	Q1779-05		1	2.53	100	7.36	2.18	0.030	0.030	0.000	0.000	04/14/2025	12:15
10	Q1781-01		1	2.51	100	7.60	2.06	0.010	0.010	0.000	0.000	04/14/2025	12:16
11	Q1781-05		1	2.54	100	7.42	2.12	0.037	0.038	0.001	0.001	04/14/2025	12:17
12	Q1781-09		1	2.55	100	7.65	1.94	0.035	0.035	0.000	0.000	04/14/2025	12:18
13	Q1784-01		1	2.57	100	7.32	2.28	0.004	0.004	0.000	0.000	04/14/2025	12:19
14	Q1784-01DU		1	2.57	100	7.36	2.22	0.004	0.004	0.000	0.000	04/14/2025	12:20
15	Q1784-01MS	40	2	2.57	100	7.42	2.20	0.000	0.309	0.309	0.406	04/14/2025	12:21
16	CCV2	0.5	1	100	100	7.52	1.90	0.000	0.379	0.379	0.498	04/14/2025	12:22
17	CCB2		1	100	100	7.36	1.84	0.000	0.000	0.000	0.000	04/14/2025	12:23
18	Q1784-01MS	1284	40	2.56	100	7.33	2.24	0.000	0.602	0.602	0.791	04/14/2025	12:24
19	Q1784-01MS	40	2	2.56	100	7.40	2.25	0.000	0.362	0.362	0.476	04/14/2025	12:25
20	Q1787-09		1	2.51	100	7.60	2.10	0.016	0.017	0.001	0.001	04/14/2025	12:26
21	Q1788-01		1	2.54	100	7.52	2.04	0.029	0.030	0.001	0.001	04/14/2025	12:27
22	CCV3	0.5	1	100	100	7.49	1.88	0.000	0.372	0.372	0.489	04/14/2025	12:28
23	CCB3		1	100	100	7.36	1.74	0.000	0.001	0.001	0.001	04/14/2025	12:29