

Enhanced Monitoring for Hexavalent Chromium (Chromium-6)

Dept. of Water Management, City of Chicago

Quarterly Monitoring for Chromium-6 in Drinking Water

Year 2020

Regulatory Status: The Maximum Contaminant Limit for Total Chromium is 100µg/L, but no separate Federal standard for Chromium-6 has yet been established.

Method: USEPA Method 218.7

Labs: EMT, INC.; Eurofins Eaton Analytical, Subcontractor

All results in µg/L Q1/MRL = 0.02

Q2/MRL = 0.02

Q3/MRL = 0.02

Q4/MRL = 0.02

MRL = Minimum Reporting Limit

ND = Not Detected (less than MRL)

Sample Location	Q1, 2020 Sample Date: 3/26/2020	Q2, 2020 Sample Date: 6/25/2020	Q3, 2020 Sample Date: 9/29/2020	Q4, 2020 Sample Date: 12/21/2020
Field Reagent Blank	0.15	0.14	0.08	0.07
JWPP Crib - Tap	0.15	0.20	0.26	0.24
JWPP Shore - Tap	0.15	0.20	0.23	0.23
JWPP North Outlet	0.15	0.20	0.25	0.27
JWPP Central Outlet	0.21	0.21	0.24	0.25
Distribution-1	0.17	0.21	0.22	0.27
Distribution-2	0.14	0.21	0.22	0.26
Distribution-3	0.15	0.21	0.15	0.32
Distribution-4	0.16	0.22	0.21	0.25
Distribution-5	0.17	0.26	0.26	0.27
SWPP Crib - Tap	0.15	0.19	0.22	0.24
SWPP Shore - Tap	0.15	0.18	0.20	0.21
SWPP 73rd Outlet	0.15	0.20	0.24	0.25
SWPP 79th Outlet	0.15	0.21	0.21	0.26
Distribution-6	0.19	0.21	0.19	0.26
Distribution-7	0.15	0.22	0.26	0.25
Distribution-8	0.17	0.21	0.29	0.27
Distribution-9	0.18	0.22	0.22	0.26
Distribution-10	0.17	0.24	0.27	0.27