

Enhanced Monitoring for Hexavalent Chromium (Chromium-6)

Dept. of Water Management, City of Chicago

Quarterly Monitoring for Chromium-6 in Drinking Water

Year 2022

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 = 0.020** **Q2/MRL = 0.020** **Q3/MRL = 0.020** **Q4/MRL = 0.020**

MRL = Minimum Reporting Limit

ND = Not Detected (less than MRL)

Sample Location	Q1, 2022 Sample Date: 3/17/2022	Q2, 2022 Sample Date: 6/23/2022	Q3, 2022 Sample Date: 9/14/2022	Q4, 2022 Sample Date: 12/20/2022
Field Reagent Blank	<0.020	<0.020	<0.020	<0.020
JWPP Crib - Tap	0.19	0.15	0.14	0.13
JWPP Shore - Tap	0.17	0.15	0.11	0.13
JWPP North Outlet	0.19	0.15	0.13	0.13
JWPP Central Outlet	0.20	0.15	0.13	0.13
Distribution-1	0.17	0.17	0.14	0.13
Distribution-2	0.19	0.19	0.16	0.14
Distribution-3	0.20	0.16	0.15	0.12
Distribution-4	0.18	0.17	0.14	0.13
Distribution-5	0.18	0.16	0.14	0.13
SWPP Crib - Tap	0.18	0.15	0.12	0.13
SWPP Shore - Tap	0.17	0.15	0.097	0.13
SWPP 73rd Outlet	0.17	0.15	0.13	0.13
SWPP 79th Outlet	0.18	0.16	0.13	0.13
Distribution-6	0.18	0.16	0.15	0.14
Distribution-7	0.19	0.16	0.15	0.14
Distribution-8	0.20	0.15	0.14	0.15
Distribution-9	NS	0.16	0.16	0.15
Distribution-10	0.19	0.15	0.15	0.15

NS - Distr-9 (Q1): No Sample; site was not accessible due to plumbing work