

Enhanced Monitoring for Hexavalent Chromium (Chromium-6)

Dept. of Water Management, City of Chicago

Quarterly Monitoring for Chromium-6 in Drinking Water

Year 2012

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

All results in µg/L **Q1/MRL = 0.031** **Q2/MRL = 0.031** **Q3/MRL = 0.031** **Q4/MRL = 0.031**
MRL = Minimum Reporting Limit ND = Not Detected; less than MRL

Sample Location	Q1, 2012 Sample Date: 3/14/2012	Q2, 2012 Sample Date: 6/30/2012	Q3, 2012 Sample Date: 9/26/2012	Q4, 2012 Sample Date: 10/31/2012
Field Reagent Blank	0.153	ND	ND	ND
JWPP Crib - Tap	0.216	0.17	0.366	0.0722
JWPP Shore - Tap	0.32	0.228	0.0814	ND
JWPP North Outlet	0.309	0.208	0.164	ND
JWPP Central Outlet	0.195	0.223	0.488	0.151
Distribution-1	0.288	0.261	0.119	0.112
Distribution-2	0.188	0.155	0.0966	0.0738
Distribution-3	0.2	0.209	0.149	0.141
Distribution-4	0.168	0.18	0.09	0.124
Distribution-5	0.238	0.179	0.118	0.143
SWPP Crib - Tap	0.0872	0.19	0.117	0.0858
SWPP Shore - Tap	0.268	0.184	0.0704	ND
SWPP 73rd Outlet	0.27	0.222	0.104	0.161
SWPP 79th Outlet	0.226	0.163	0.112	0.12
Distribution-6	0.246	0.123	0.132	0.0804
Distribution-7	0.224	0.148	0.115	ND
Distribution-8	0.253	0.179	0.133	0.109
Distribution-9	0.239	0.192	0.126	ND
Distribution-10	0.24	0.204	0.437	0.0858