

Enhanced Monitoring for Hexavalent Chromium (Chromium-6) Dept. of Water Management, City of Chicago

Quarterly Monitoring for Chromium-6 in Drinking Water

Year 2014

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

Lab: EMT, INC.

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, 2014 Sample Date: 2/26/2014	Q2, 2014 Sample Date: 6/17/2014	Q3, 2014 Sample Date: 9/17/2014	Q4, 2014 Sample Date:11/20/2014
Field Reagent Blank	ND	ND	ND	ND
JWPP Crib - Tap	0.203	0.193	0.181	0.152
JWPP Shore - Tap	0.197	0.188	0.167	0.126
JWPP North Outlet	0.218	0.215	0.181	0.138
JWPP Central Outlet	0.247	0.429*	0.170	0.144
Distribution-1	0.185	0.187	0.180	0.143
Distribution-2	0.186	0.217	0.177	0.141
Distribution-3	0.19	0.203	0.165	0.125
Distribution-4	0.208	0.229	0.180	0.126
Distribution-5	0.202	0.214	0.180	0.153
SWPP Crib - Tap	0.194	0.206	0.196	0.138
SWPP Shore - Tap	0.196	0.192	0.169	0.097
SWPP 73rd Outlet	0.231	0.222	0.199	0.110
SWPP 79th Outlet	0.22	0.212	0.188	0.133
Distribution-6	0.201	0.195	0.175	0.114
Distribution-7	0.198	0.201	0.178	0.126
Distribution-8	0.215	0.200	0.176	0.133
Distribution-9	0.205	0.203	0.185	0.132
Distribution-10	0.208	0.208	0.188	0.137

***Note:** JWPP Central Outlet was re-sampled, four replicates collected on 6/30/14, with test results of 0.264, 0.225, 0.214 and 0.227 ppb.