

Enhanced Monitoring for Hexavalent Chromium (Chromium-6)

Dept. of Water Management, City of Chicago

Quarterly Monitoring for Chromium-6 in Drinking Water

Year 2013

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, 2013 Sample Date: 2/20/2013	Q2, 2013 Sample Date: 6/19/2013	Q3, 2013 Sample Date: 9/18/2013	Q4, 2013 Sample Date:12/5/2013
Field Reagent Blank	ND	ND	ND	ND
JWPP Crib - Tap	0.0313	0.0752	0.198	0.172
JWPP Shore - Tap	ND	0.0346	0.15	0.166
JWPP North Outlet	ND	0.049	0.164	0.215
JWPP Central Outlet	0.0647	0.0522	0.22	0.171
Distribution-1	ND	0.0889	0.168	0.161
Distribution-2	ND	0.0581	0.161	0.163
Distribution-3	ND	0.0423	0.175	ND
Distribution-4	ND	0.049	0.195	0.182
Distribution-5	0.0381	0.0538	0.18	0.164
SWPP Crib - Tap	ND	0.0736	0.181	0.164
SWPP Shore - Tap	ND	0.0371	0.146	0.146
SWPP 73rd Outlet	0.0594	0.0665	0.188	0.165
SWPP 79th Outlet	ND	0.0677	0.171	0.15
Distribution-6	ND	ND	0.185	0.153
Distribution-7	0.0373	0.0457	0.136	0.144
Distribution-8	ND	0.055	0.158	0.174
Distribution-9	0.0466	0.111	0.179	0.169
Distribution-10	0.0338	0.0583	0.192	0.164