

Testing for Chromium VI (Hexavalent)

News articles raised questions about the levels of Chromium VI in local water supplies. In January of 2011, the USEPA issued recommended testing protocols. In March 2011, the Village instituted a testing plan for monitoring Hexavalent Chromium in the water treatment process. Test results are as follows:

2018 Test Results

Sampling Location	January	May	August	October
Raw (lake) water	0.17 ppb	0.34 ppb	0.15 ppb	0.24 ppb
Finished (treated) water	0.16 ppb	0.14 ppb	0.16 ppb	0.14 ppb
Distribution (treated) water	0.16 ppb	0.16 ppb	0.17 ppb	0.12 ppb

2017 Test Results

Sampling Location	April	August	November	December
Raw (lake) water	0.17 ppb	0.14 ppb	0.14 ppb	0.19 ppb
Finished (treated) water	0.18 ppb	0.16 ppb	0.15 ppb	0.20 ppb
Distribution (treated) water	0.18 ppb	0.15 ppb	0.15 ppb	0.19 ppb

2016 Test Results

Sampling Location	April	June	August	December
Raw (lake) water	0.18 ppb	0.20 ppb	0.18 ppb	0.11 ppb
Finished (treated) water	0.20 ppb	0.20 ppb	0.19 ppb	0.14 ppb
Distribution (treated) water	0.19 ppb	0.19 ppb	0.20 ppb	0.14 ppb

2015 Test Results

Sampling Location	March	May	August	December
Raw (lake) water	0.19 ppb	Not Taken	0.19 ppb	0.20 ppb
Finished (treated) water	0.15 ppb	0.17 ppb	0.18 ppb	0.14 ppb
Distribution (treated) water	0.13 ppb	0.17 ppb	0.18 ppb	0.15 ppb

2014 Test Results

Sampling Location	January	May	August	December
Raw (lake) water	0.45 ppb	0.30 ppb	0.28 ppb	0.27 ppb
Finished (treated) water	0.33 ppb	0.20 ppb	0.18 ppb	0.17 ppb
Distribution (treated) water	0.27 ppb	0.20 ppb	0.18 ppb	0.16 ppb

2013 Test Results

Sampling Location	May	August	October	December
Raw (lake) water	0.23 ppb	0.26 ppb	0.34 ppb	0.43 ppb
Finished (treated) water	0.21 ppb	0.17 ppb	0.27 ppb	0.35 ppb
Distribution (treated) water	0.18 ppb	0.15 ppb	0.16 ppb	0.24 ppb

2012 Test Results

Sampling Location	April	June	August	November
Raw (lake) water	0.29 ppb	0.32 ppb	0.33 ppb	0.27 ppb
Finished (treated) water	0.23 ppb	0.22 ppb	0.22 ppb	0.21 ppb
Distribution (treated) water	0.22 ppb	0.24 ppb	0.20 ppb	0.22 ppb

2011 Test Results

Sampling Location	March	July	September	December
Raw (lake) water	0.24 ppb	0.24 ppb	0.27 ppb	0.25 ppb
Finished (treated) water	0.20 ppb	0.25 ppb	0.19 ppb	0.20 ppb
Distribution (treated) water	0.20 ppb	0.24 ppb	0.21 ppb	0.19 ppb

These results are well below the present 100 ppb federal standard for (total) Chromium. The Village's drinking water supply meets all federal and state standards.

The USEPA has also undertaken a formal *Toxicological Review of Hexavalent Chromium*, upon which future policy decisions, including drinking water standards will be based. For more information, contact the Water Plant Superintendent, Brian Curley at 847-716-3620.

References:

- <http://www.epa.state.il.us/water/compliance/drinking-water/publications/chromium-strategy.pdf>
- <http://www.epa.state.il.us/water/compliance/drinking-water/chromium.html>
- <http://www.epa.state.il.us/water/compliance/drinking-water/publications/chromium-factsheet.pdf>