



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION
DRINKING WATER QUALITY INSTITUTE
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Commissioner

December 7, 2018

Keith Cooper, Ph.D., Chair
New Jersey Drinking Water Quality Institute
P.O. Box 402
Trenton, NJ 08625-0402

Dear Chairman Cooper:

The members of the New Jersey Drinking Water Quality Institute (Institute) Testing Subcommittee recommended a practical quantitation level (PQL) for 1,2,3-trichloropropane (1,2,3-TCP) to the Institute of 30 ng/L on October 28, 2015. Although the goal of the Institute is to recommend a maximum contaminant level (MCL) as close to the health-based MCL as possible, the Institute recommended a MCL based on the PQL since the laboratories performing the 1,2,3-TCP analysis would not be able to report results accurately at the health-based MCL level of 0.5 ng/L.

In January 2018, the State of California adopted a MCL of 5 ng/L for 1,2,3-TCP in drinking water. The Department evaluated performance data from two analytical methods recommended by California - California ELAC Method 524M and EPA 524.3 (SIM), which were able to analyze 1,2,3-TCP at the level of 5 ng/L, to determine if the PQL developed by the Testing Subcommittee could be lowered. The Department concluded that there is sufficient information to recommend that laboratories could achieve a reporting level of 5 ng/L using the methods that were required by California. The Department presented these findings to the Institute on May 25, 2018. At this meeting, the Testing Subcommittee was asked to review the Department's conclusions regarding the two California analytical methods for 1,2,3-TCP in drinking water.

The Testing Subcommittee has evaluated the data and determined that the PQL of 30 ng/L previously recommended by the Testing Subcommittee should be updated. The Testing Subcommittee recommends a PQL for 1,2,3-TCP of 5 ng/L. The PQL is achievable by currently available analytical methods as demonstrated by laboratories performing analysis for the California drinking water program.

Please feel free to contact me if you have any questions or need additional information related to these recommendations.

Respectfully,

Tina Fan, Ph.D.
Testing Subcommittee Chair
Drinking Water Quality Institute