

Reference

Subject: Perchlorate Sampling Method

Date: Tue, 01 Oct 2002 13:45:54 -0400

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Julie,

Here is some information that should help you out. The first link is for the UCMR Chemical Analytical Methods and Data Quality Control Center. Pages 17 and 55, there may be more, are where you will find the MRL listed as 4 micrograms/liter, which I think is converted equally into ppb, correct me if I am wrong. It mentions the MDL several times and there are several tables involving MDL's, but at a quick glance I could not find it actually stating the MDL for perchlorate. However, the second link will take you to the actual steps for method 314 and on page 36 you will find a stated MDL of .53 micrograms/liter, which once again should convert to an equal amount in ppb.

If you need any further assistance, Todd Borci in R1 has been involved at Mass. Military Reserve Base (MMR) where they are treating water up there to a level of 1.5 ppb. This is based on a state mandated cleanup level for Bourne County. As a result, their lab has developed a derivation of method 314 that allows for lower detection, around .3 ppb I think. I believe that they might be able to provide you with the steps for their revised method if you deem it necessary.

If you have any other questions, feel free to contact me. Good luck.

http://www.epa.gov/safewater/standard/ucmr/qc_list1chem.pdf

<http://www.epa.gov/safewater/methods/met314.pdf>

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