



March 10, 2010

Office of Water Quality Water-Quality Information Note 2010.05

Subject: Data reload of glyphosate, aminomethylphosphonic (AMPA), and glufosinate data to an updated method code for data from October 24, 2006 to present

Data entered under method code O-2136-01 (NWIS method code LCM41) from October 24, 2006 to present will be reloaded under new method code O-2141-09 (NWIS method code LCM57). Only the method codes for parameter codes 62722 (glyphosate), 62649 (AMPA), and 62721 (glufosinate) will be changed; no other result data will be changed.

In 2006 the reporting limit for these compounds was lowered from 0.1 to 0.02 µg/L. This change reflected the transfer of the method to a more sensitive instrument. Also during this time period a comparison of quantitation by isotope dilution versus standard addition was being compared to stream-line the method. This method was recently approved by The Office of Water Quality as analytical method O-2141-09 (Meyer and others, 2009).

Approximately 2,000 samples analyzed from October 24, 2006 to present will be reloaded under this new method code. The parameter codes and the data will not be affected by this reload. The water science centers involved in this reload are: CA, CO, FL, GA, IA, IL, IN, MD, MI, MN MS, MT, NC, NE, NJ, NM, NV, OR, SC, TX, and WY.

This reload will use the NWIS QW Data Transfer System (QWDX) to transmit affected data to the WSCs, and track which WSCs have retrieved their reload data. Due to the early release into QWDX of some of the affected data, some WSCs may have already processed the updated data via QWDX. If this is the case, the WATLIST output from QWDATA will not indicate any updates to the method, because the change was made earlier. For more information on QWDX, see:

<http://water.usgs.gov/usgs/owq/WaQI/WaQI07.12.pdf>

[QWDX Reload Instructions](#)

The reference for this method is:

Meyer, M.T., Loftin, K.A., Lee, E.A., Hinshaw, G., Dietze, J.E, and Scribner, E.A., 2009, Determination of Glyphosate, its Degradation Product Aminomethylphosphonic Acid, and Glufosinate in Water by Isotope Dilution and Online Solid-Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry: U.S. Geological Survey Techniques and Methods Report O-2141-09, 33p.
(<http://pubs.er.usgs.gov/usgspubs/tm/tm5A10>)

Signed,

The Office of Water Quality
03/10/2010

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