

## USGS Technical and Policy Memorandums that relate to the NFM

OWQ || OSW || NWQL || WMA

Office of Water Quality (OWQ)			
Memo No.	Title	Date	Authors
<a href="#"><u>qw.78.03</u></a>	Equipment & Supplies – Churn splitters	01/17/1978	Pickering, R.J.
<a href="#"><u>qw.80.17</u></a>	New sample splitter for water-quality samples	07/03/1980	Pickering, R.J.
<a href="#"><u>qw.92.01</u></a>	Distilled/deionized water for District operations	12/20/1991	Rickert, D.A.
<a href="#"><u>qw.92.02</u></a>	FIELD TECHNIQUES – field preparation of containers for aqueous samples	12/20/1991	Rickert, D.A.
<a href="#"><u>qw.92.06</u></a>	Report of Committee on Sample Shipping Integrity and Cost	03/20/1992	Rickert, D.A.
<a href="#"><u>qw.92.11</u></a>	FIELD TECHNIQUES – Return of spent mercury and dichromate ampoules to the National Water Quality Laboratory	01/17/1978	Rickert, D.A.
<a href="#"><u>qw.92.13</u></a>	Trace element contamination: findings of studies on the cleaning of membrane filters and filtration systems	07/17/1992	USGS
<a href="#"><u>qw.93.05</u></a>	Evaluation of capsule filters	01/21/1993	Rickert, D.A.
<a href="#"><u>qw.93.11</u></a>	Implementation of the protocol for collecting and processing surface-water samples for low-level inorganic analyses	07/15/1993	Rickert, D.A.
<a href="#"><u>qw.94.08</u></a>	Collection, handling, and analysis of environmental samples in support of regulatory projects	01/14/1994	Rickert, D.A.
<a href="#"><u>qw.94.09</u></a>	Revision of new Division protocol for collecting and processing surface-water samples for low-level inorganic analyses	01/28/1994	Rickert, D.A.
<a href="#"><u>qw.94.13</u></a>	Evaluation of the churn splitter for inclusion in the Division protocol for the collection and processing of surface-water samples for subsequent determination of trace elements, nutrients, and major ions in filtered water	04/21/1994	Rickert, D.A.
<a href="#"><u>qw.94.16</u></a>	New preservation techniques for nutrient samples	08/05/1994	Rickert, D.A.
<a href="#"><u>qw.95.02</u></a> <a href="#"><u>gw.95.02</u></a>	Establishment of U.S. Geological Survey Laboratory for determination of chlorofluorocarbons (CFCs) in air and water samples	12/29/1994	Rickert, D.A. and Alley, W.M.
<a href="#"><u>qw.97.03</u></a>	Protocols for cleaning a Teflon cone splitter to produce contaminant-free subsamples for subsequent determinations of trace elements	02/07/1997	Rickert, D.A.

<a href="#"><u>qw.97.06</u></a>	Comparison of the suspended-sediment splitting capabilities of the churn and cone splitters	05/05/1997	Rickert, D.A.
<a href="#"><u>qw.99.02</u></a> <a href="#"><u>(sw.99.01)</u></a>	Guidelines for collecting discharge-weighted samples in surface water using an isokinetic sampler	10/28/1998	York, T.H. Jr. and Ward, J.R.
<a href="#"><u>qw.99.04</u></a>	Changes in field treatment protocols and bottle types for whole-water samples collected for total ammonium plus organic nitrogen and total phosphorus determinations	11/26/1998	Ward, J.R.
<a href="#"><u>qw.2000.05</u></a>	Particulate organic carbon	04/28/2000	Ward, J.R.
<a href="#"><u>qw.2000.08</u></a>	New method for particulate carbon and particulate nitrogen	06/01/2000	Ward, J.R.
<a href="#"><u>qw.2000.10</u></a>	Discrete water-quality data in NWISWeb	09/15/2000	Ward, J.R.
<a href="#"><u>qw.2001.02</u></a>	Guidance for verifying and interpreting field blank determinations that indicate high pesticide or trace-element concentrations or that show large numbers of detection	11/14/2000	Ward, J.R.
<a href="#"><u>qw.2001.03</u></a> <a href="#"><u>sw.2001.03</u></a>	Collection and use of total suspended-solids data	11/27/2000	Ward, J.R. and Yorke, T.H., Jr.
<a href="#"><u>qw.2002.09</u></a>	Water-quality field methods phaseout of US D-77 and frame-type samplers	01/25/2002	Sorenson, S.K.
<a href="#"><u>qw.2002.11</u></a>	Policy for storing and reporting significant figures for chemical data	02/14/2002	Sorenson, S.K.
<a href="#"><u>qw.2002.13</u></a>	Water-quality field methods/National Field Manual for the Collection of Water-Quality Data	03/15/2002	Sorenson, S.K.
<a href="#"><u>qw.2006.01</u></a> <a href="#"><u>gw.2006.01</u></a>	Storage of water-level data for groundwater	02/02/2006	Miller, T.L. and Cunningham, W.L.
<a href="#"><u>qw.2008.04</u></a>	Nitrogen isotope analyses – information and revised field procedures	06/26/2008	Miller, T.L.
<a href="#"><u>qw.2008.05</u></a>	Appropriate data storage in the National Water Information System (NWIS)	08/25/2008	Miller, T.L.
<a href="#"><u>qw.2009.04</u></a>	Reminders of how to minimize contamination of volatile organic compound samples	05/14/2009	Mohrman, G.B.
<a href="#"><u>qw.2010.06</u></a>	Required use of new Analytical Services Request (ASR) form for samples received at the NWQL	09/23/2010	Myers, D.N.
<a href="#"><u>qw.2011.02</u></a>	National monitoring network water-quality sampling, fiscal year 2011	11/15/2010	Myers, D.N.
<a href="#"><u>gw.2012.03</u></a> <a href="#"><u>sw.2012.03</u></a> <a href="#"><u>qw.2012.03</u></a>	Update of policy on review and publication of discrete water data	04/24/2012	USGS
<a href="#"><u>qw.2012.05</u></a>	Replacement of the simple speciation method for computation of carbonate and bicarbonate concentrations from alkalinity titrations	09/10/2012	Myers, D.N.

<a href="#"><u>sw.2013.03</u></a> <a href="#"><u>qw.2013.02</u></a>	Guidelines for FISP bag sampler intake efficiency tests and operational velocities policy	06/13/2013	Mason, R.R., Jr. and Myers D. N.
<a href="#"><u>qw.2014.01</u></a>	Updated policy for the evaluation and approval of analytical laboratory performance for Water Mission Area projects and programs	06/25/2014	Myers, D.N.
<a href="#"><u>qw.2014.02</u></a>	Revised template for preparing a Quality Assurance Plan (QAP) for water-quality activities	09/23/2014	Myers, D.N.
<a href="#"><u>gw.2016.01</u></a> <a href="#"><u>sw.2016.04</u></a> <a href="#"><u>qw.2016.08</u></a>	Water Mission Area policy on accepting furnished records	07/07/2016	Cunningham, W.L., Mason, R.R., Jr., and Myers, D.N.
<a href="#"><u>qw.2016.09</u></a>	Guidance for the collection and disposition of USGS water-quality-data-records: specifically addressing electronic records for field notebooks and calibration notebooks	12/29/2016	Myers, D.N.
<a href="#"><u>gw.2017.01</u></a> <a href="#"><u>sw.2017.05</u></a> <a href="#"><u>qw.2017.02</u></a>	Clarification of Water Mission Area policy on continuous records processing of time-series data: categorization of groundwater, surface-water, and water-quality Sites/records	03/03/2017	Cunningham, W.L., Mason, R.R., Jr., and Myers, D.N.

### Office of Surface Water (OSW)

Memo No.	Title	Date	Authors
<a href="#"><u>sw.94.05</u></a>	Maximum sampling depths and transit rates for suspended sediment and water-quality samplers	01/31/1994	Boning, C.W.
<a href="#"><u>sw.2003.08</u></a> <a href="#"><u>gw.2003.03</u></a>	Agreement forms for gaging station and observation well installations and transfers	09/17/2003	Mason, R.R. Jr. and Cunningham, W.L.

### National Water Quality Laboratory (NWQL)

Memo No.	Title	Date	Authors
<a href="#"><u>nwql.92.01</u></a>	Availability of equipment blank water for inorganic and organic analysis	03/25/1992	USGS
<a href="#"><u>nwql.92.04</u></a>	Bottles for tritium analysis		Mullen, A.
<a href="#"><u>nwql.93.01</u></a>	Identification of low levels of sodium contamination in nitric acid samples	08/12/1992	Pritt, J.
<a href="#"><u>nwql.93.09</u></a>	Radon—discontinuance of duplicate samples for radon-in-water	08/24/1993	Mullen, A.
<a href="#"><u>nwql.95.04</u></a> <a href="#"><u>nwql.11.01</u></a>	Shipping Samples to the National Water-Quality Laboratory superseded by <a href="#"><u>2011.01</u></a>	12/02/1994	Pratt, L.K.
<a href="#"><u>nwql.95.05</u></a>	Nitrogen isotope-sample preservation for water samples	03/08/1995	Hatcher, J.

<a href="#"><u>nwql.96.05</u></a>	Collection, processing, and analysis of carbon isotope samples	04/05/1996	Coplen, T.B., Plummer, L.N., and Mullin, A.
<a href="#"><u>nwql.97.01</u></a> and <a href="#"><u>nwql.97.01S</u></a>	Use of syringes to add volatile organic compounds to water samples for use as matrix-spike samples (97.01S is supplementary information)	11/05/1996	Sandstrom, M.W. and Darnel, B.R.
<a href="#"><u>nwql97.04S</u></a>	Collection, processing, and analysis of groundwater samples for tritium/helium-3 dating	04/07/1997	Plummer, L.N. and Mullin, A.
<a href="#"><u>nwql.97.05</u></a>	Using the National Water Quality Laboratory for the analysis of drinking-water samples	02/28/1997	Driscoll, A., Reed-Parker, C., and Bryant, K
<a href="#"><u>nwql.2002.04</u></a>	Requirements for proper shipping of samples to the National Water-Quality Laboratory superseded by 2011.01	09/23/2002	Lanier, W.
<a href="#"><u>nwql2011.01</u></a>	Requirements for proper shipping of samples to the National Water-Quality Laboratory	05/06/2011	Alex, P. and Grano, P.

## Water Mission Area (WMA)

<b>Memo No.</b>	<b>Title</b>	<b>Date</b>	<b>Authors</b>
<a href="#"><u>wrd.87.17</u></a>	Groundwater—disposition of groundwater observation wells	01/15/1987	Mann, W.B., IV
<a href="#"><u>wrdpolicy.90.34</u></a>	Policy for permission to sample	03/26/1990	Cohen, P.
<a href="#"><u>wrdpolicy.92.59</u></a>	Policy for management and retention of hydrologic data of the U.S. Geological Survey	undated	Cohen, P.
<a href="#"><u>wrdpolicy.94.07</u></a>	Safety--storage, transportation, handling and disposal of methyl alcohol	12/03/1993	Mann, W.B., IV
<a href="#"><u>wrd.94.08</u></a>	LEGAL – Agreement forms 9-1482, 9-1482A, and 9-1493	undated	Mann, W.B., IV
<a href="#"><u>wrdpolicy.99.03</u></a>	SAFETY – Water Resources Division hazardous waste site operations – revised safety policy and guidance	11/17/1998	Hill, C.L.
<a href="#"><u>wrdpolicy.99.32</u></a>	SAFETY – Water Resources Division policy for safety associated with measurements, sampling, and related stream gaging	08/17/1990	Hill, C.L.
<a href="#"><u>wrdpolicy.99.34</u></a>	Quality assurance measures for serving real-time water data on the World Wide Web	02/28/2000	Hirsch, R.M.
<a href="#"><u>wrdpolicy.2010.02</u></a>	Continuous records processing of all water time-series data	03/10/2010	Larsen, M.C.