

Method Name	Pollutant Measured	Method 301 Validation	Other Validation	External Peer Review-Internal EPA Peer Review	Other External Review	References	Contact Person
Determination of Polychlorinated Dibenzo- <i>p</i> -Dioxins, Polychlorinated Dibenzofurans, Polychlorinated Biphenyls, and Polycyclic Aromatic Hydrocarbons from Stationary Sources by Gas Chromatography/Tandem Mass Spectrometry (GC-MS/MS)	Polychlorinated Dibenzo- <i>p</i> -Dioxins, Polychlorinated Dibenzofurans, Polychlorinated Biphenyls, and Polycyclic Aromatic Hydrocarbons	No	Yes – EPA Office of Water approval of MS/MS finish to PCDD/PCDF	Internal	OLEM-RCRA Informal Stakeholders	<p>1) EPA Method 23 https://www.epa.gov/sites/default/files/2017-08/documents/method_23.pdf</p> <p>2) SW-846Method 0023A https://www.epa.gov/hw-sw846/sw-846-test-method-0023a-sampling-method-polychlorinated-dibenzo-p-dioxins-and</p> <p>3) EPA Method 5. FR Part 60 Appendix A-3</p> <p>4) U.S. Environmental Protection Agency. Publication No. APTD-0576: Maintenance, Calibration, and Operation of Isokinetic Source Sampling Equipment. Research Triangle Park, NC. March 1972.</p>	OAQPS: Ray Merrill, Merrill.Raymond@epa.gov 919-541-5225

					<p>5) U.S. Environmental Protection Agency. Method 1625C-Semivolatile Organic Compounds by Isotope Dilution GCMS. June 1989.</p> <p>6) U.S. Environmental Protection Agency. Method 1613B-Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution HRGC/HRMS. October 1994.</p> <p>7) U.S. Environmental Protection Agency. Method 1668C-Chlorinated Biphenyl Congeners in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS. April 2010.</p> <p>8) Tondeur, Y., Nestruck, T., Silva, Héctor A., Vining, B., Hart, J. Analytical procedures for the determination of polychlorinated-<i>p</i>-dioxins, polychlorinated dibenzofurans, and hexachlorobenzene in pentachlorophenol, Chemosphere Volume 80,</p>	
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					<p>Issue 2, June 2010 pages 157-164.</p> <p>9) SGS AXYS Analytical Services. SGS AXYS Method 16130 Determination of 2,3,7,8-substituted Tetra- through Octa-Chlorinated Dibenzo-p-Dioxins and Dibenzofurans (CDDs/CDFs) Using Waters and Agilent Gas Chromatography Mass Spectrometry (GC-MS/MS) Revision 1.0.</p> <p>10) Angel García-Bermejo, Manuela _Abalos, Jordi Saulo , Esteban Abad, María Jose Gonzalez, Belen Gomara, Triple quadrupole tandem mass spectrometry: A real alternative to high resolution magnetic sector instrument for the analysis of polychlorinated dibenzo-p-dioxins, furans and dioxin-like polychlorinated biphenyls. Analytica Chimica Acta 889 (2015) 156e165.</p>	
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