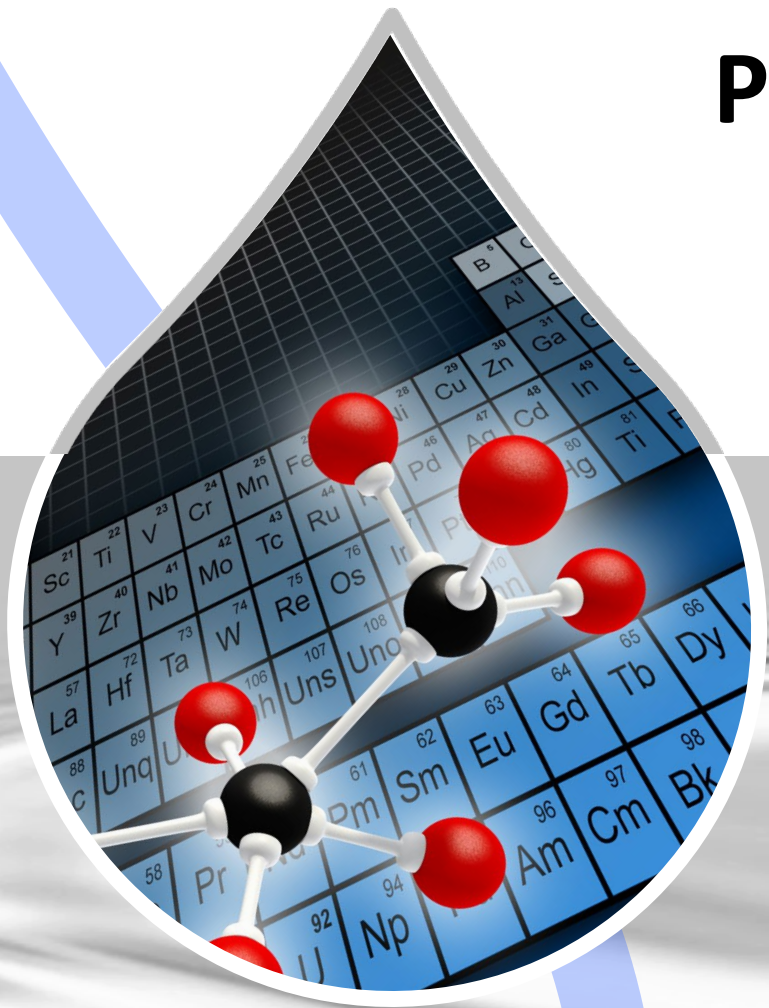


Periodic Table of Groundwater Contaminants



The Contamination Experts

- Responsible Party Identification
- GIS and Geomatics
- Contaminant Hydrogeology
- Fate and Transport Modeling
- Risk Assessment
- Remediation Feasibility Studies
- Soil and Groundwater Remediation
- Natural Resource Damage Assessment
- Water Resources Assessment
- Source Water Assessment and Protection
- Drinking Water Treatment
- Environmental Risk Management
- Litigation Support/Expert Witness
- Forensic Engineering
- Stakeholder/Public Participation
- Regulatory Strategy

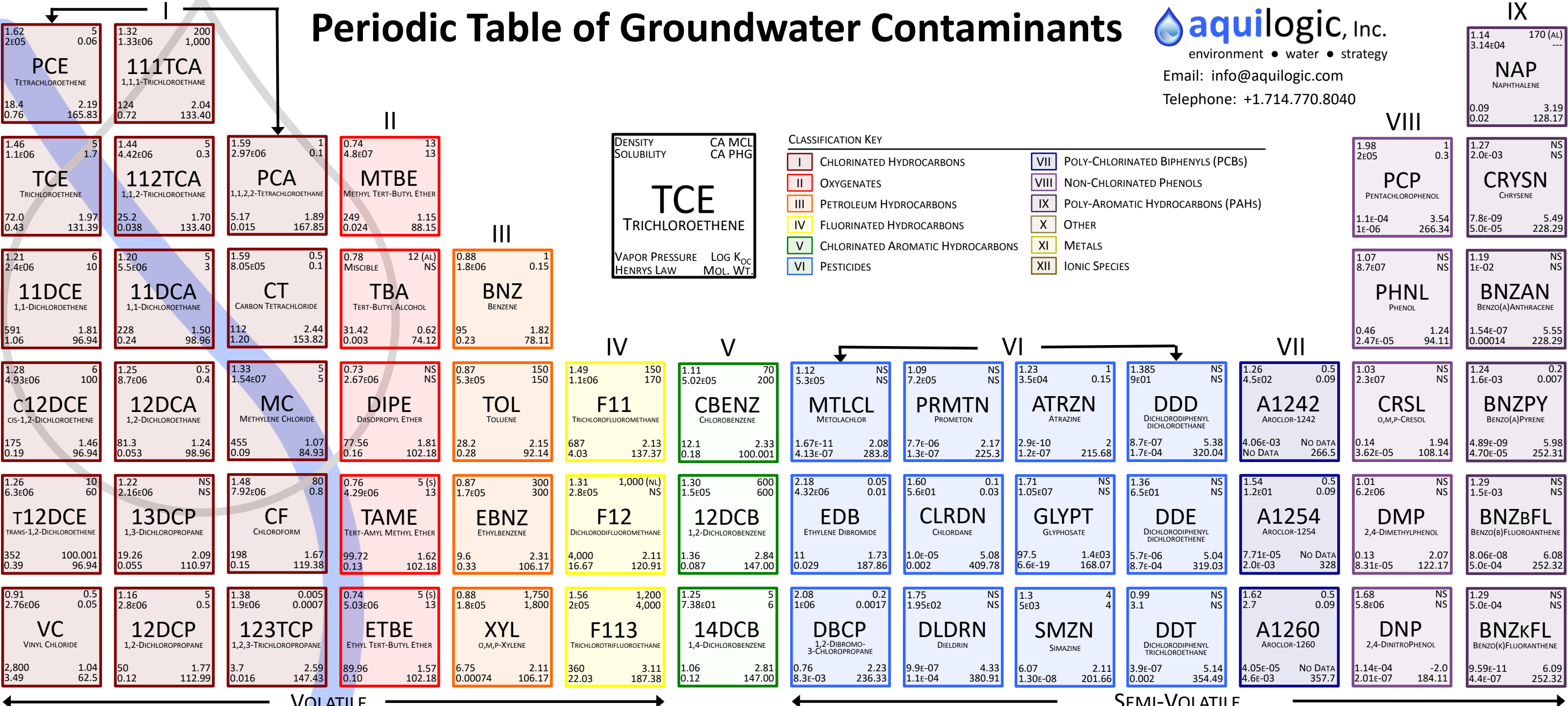
Periodic Table of Groundwater Contaminants



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CLASSIFICATION KEY

- I CHLORINATED HYDROCARBONS
- II OXYGENATES
- III PETROLEUM HYDROCARBONS
- IV FLUORINATED HYDROCARBONS
- V CHLORINATED AROMATIC HYDROCARBONS
- VI PESTICIDES
- VII POLY-CHLORINATED BIPHENYLS (PCBs)
- VIII NON-CHLORINATED PHENOLS
- IX POLY-AROMATIC HYDROCARBONS (PAHS)
- X OTHER
- XI METALS
- XII IONIC SPECIES

VOLATILE

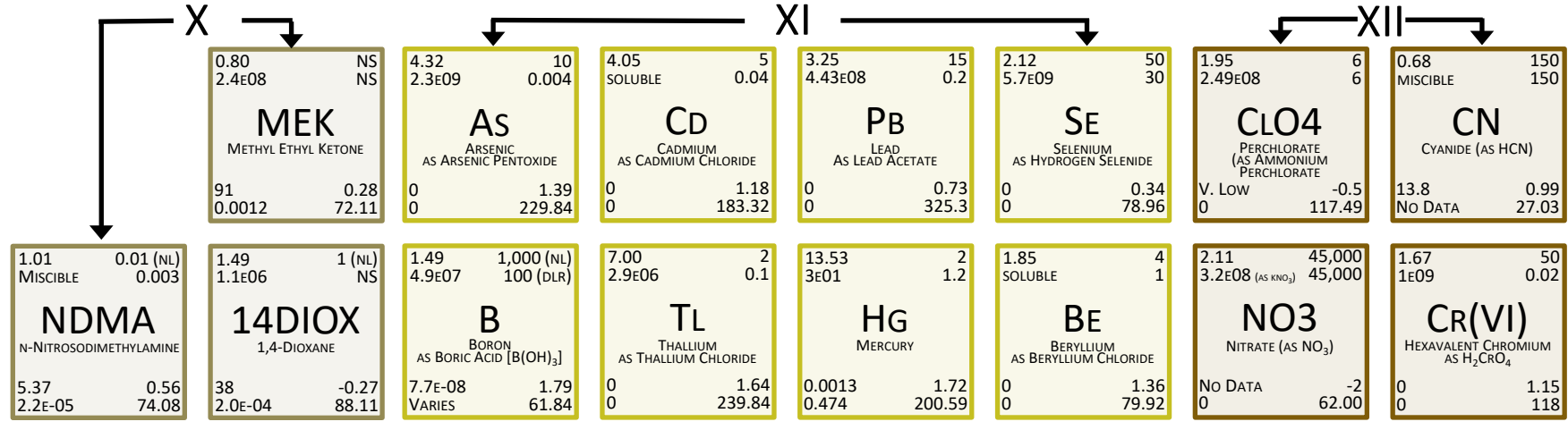
SEMI-VOLATILE

NOTES AND UNITS

MCL - MAXIMUM CONTAMINANT LEVEL MCL/PHG - UG/L
 PHG - PUBLIC HEALTH GOAL DENSITY - G/CM³
 NL - NOTIFICATION LEVEL SOLUBILITY - UG/L
 AL - ACTION LEVEL VAPOR PRESSURE - MMHG (20-25 °C)
 NS - NO STANDARD HENRY'S LAW - UNITLESS (20 °C)
 NA - NOT APPLICABLE LOG K_{OC} - ML/G
 S - SECONDARY MCL MOL. WEIGHT - G/MOLE
 DLR - DETECTION LIMIT FOR PURPOSES OF REPORTING

SOURCES

AGENCY OF TOXIC SUBSTANCES AND DISEASE REGISTRY (ATSDR). TOXICOLOGICAL PROFILES. [HTTP://WWW.ATSDR.CDC.GOV/TOXPROFILES/INDEX.ASP](http://www.atsdr.cdc.gov/toxprofiles/index.asp)
 KERLE, E.A., J.J. JENKINS, AND P.A. VOGUE. (2007). UNDERSTANDING PESTICIDE PERSISTENCE AND MOBILITY FOR GROUNDWATER AND SURFACE WATER PROTECTION. EM 8561-E. OREGON STATE UNIVERSITY
 MACKAY, D., W.Y. SHIU, K. MA, AND S.C. LEE. ILLUSTRATED HANDBOOK OF PHYSICAL-CHEMICAL PROPERTIES AND ENVIRONMENTAL FATE FOR ORGANIC CHEMICALS. VOL. I-IV, SECOND EDITION. CRC PRESS. 2006.
 MONTGOMERY, J.H. (2007). GROUNDWATER CHEMICALS DESK REFERENCE FOURTH EDITION. APRIL.
 PESTICIDES PROPERTY DATABASE. AGRICULTURE & ENVIRONMENT RESEARCH UNIT, UNIVERSITY OF HERTFORDSHIRE. [HTTP://SITEM.HERTS.AC.UK/AERU/FOOTPRINT/INDEX2.HTM](http://sitem.herts.ac.uk/aeru/footprint/index2.htm)
 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA). (1996). SOIL SCREENING GUIDANCE: TECHNICAL BACKGROUND DOCUMENT. EPA/540/R95/128. MAY.



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