

# Peter G. Green, Ph.D.

*Dept. Civil & Environmental Eng. – with background in Chemistry*

Chemicals (all) in the Environment (anywhere)

– Measurement, Sources, Identity, Impacts, Transport, Mitigation, Cost

Predominantly research -- also enjoy education and outreach

(Many qualifying exam and thesis committees)

Examples: toxics in fish, crab embryos, sediment, soil, water, plants; tracers in crab embryos, water – as well as diverse air quality topics (gas, aerosol,...)

Pesticides (legacy and current-use), PAHs, PCBs, EDCs, VOCs, GHGs, NO<sub>x</sub>, Hg, Pb, Cd, Zn, Cu, As, Cr, Br etc... from storm-water, mine drainage, agriculture

UCDavis ICP-MS (campus facility):

Solid samples (otoliths, shells, bones, hair, bloodspots ...)

for Hg, Pb, Fe and chemical ratios like Sr/Ca and Sr-isotopes