



# SUBMARINER'S ADVOCACY GROUP

Submariners Helping Submariners

## Submarine Toxic Chemicals

From **Emergency and Continuous Exposure Guidance Levels for Selected Submarine Contaminants: Volumes 1, 2, and 3 (2007-2009)**

Subcommittee on Emergency and Continuous Exposure Guidance Levels for Selected Submarine Contaminants; Committee on Toxicology; Board on Environmental Studies and Toxicology; Division on Earth and Life Studies; National Research Council

2,6-Di-tert-butyl-4-nitrophenol  
(DBNP)

2190 TEP Oil Mist

Acetaldehyde

Acrolein

Ammonia

Benzene

Chlorine

Formaldehyde

Hydrazine

Methanol

Monoethanolamine

Propylene Glycol Dinitrate

Sulfur Dioxide

Sulfuric Acid mist

Surface Lead

Toluene

Xylene

From **Submarine Air Quality: Monitoring the Air in Submarines: Health Effects in Divers of Breathing Submarine Air Under Hyperbaric Conditions (1988)**

Panel on Monitoring; Panel on Hyperbaric and Mixtures; Subcommittee on Submarine Air Quality; Committee on Toxicology; Board on Environmental Studies and Toxicology; Commission on Life Sciences; National Research Council

Aerosol fecal matter

Cooking oil vapors

Diesel Exhaust

Diesel Fuel

Human waste vapors

Potassium Hydroxide (KOH)

Tobacco smoke

## Submarine Toxic Gases

From **Emergency and Continuous Exposure Guidance Levels for Selected Submarine Contaminants: Volumes 1, 2, and 3 (2007-2009)** and  
**Submarine Air Quality: Monitoring the Air in Submarines: Health Effects in Divers of Breathing Submarine Air Under Hyperbaric Conditions (1988)**

Freon 114

Freon 12

Hydrogen

Hydrogen Chloride

Hydrogen Fluoride

Hydrogen Sulfide

Nitric Oxide

Nitrogen Dioxide

Oxygen (by a Hypoxic atmosphere)

Ozone