Appendix 8 Chemicals Noted by Workshop Participants and in Email Submissions

Metals (7)

- Chromium 6 in local water supplies
- Lead and other heavy metals because they affect children and we know about their risk to health. (2 pp)
- There are different heavy metals in various locations due to specific industries or practices
- I don't see manganese on the list (ed. Note CDC list of Biomonitored Chemicals) but would like to. Manganese could be a surrogate for exposure to asbestos from serpentine rock.
- Nickel is also in serpentine rock; recommend including that too.
- What about hazards in baby formula? I've heard of cadmium possibly added to whiten formula because caramelized sugar changes the color.
- Include arsenic in the chemical list.

Pesticides (8)

- Look at chemicals that are sprayed on communities to fight fruit flies or LBAM.
- The program should look at DEET.
- What about organochlorine exposure in pregnancy?
- Is MITC measurable (methyl isothiocyanate – metabolite of metam-sodium)?
- Include organophosphates on the chemical list.
- What about decreased cholinesterase levels, e.g., with organophosphate pesticide exposures.
- If you test for organophosphates will you also look at cholinesterase levels?
- Will the CBP help us do something about high levels of chloripyrifos pesticide here?

Radioisotopes (3)

- Does the current metal program analyze radio-isotopes, e.g., cesium, cobalt, uranium?
- Also, what about radio-isotopes in tobacco?
- Will the program biomonitor radionuclides as well as chemicals?

Perchlorate (2)

- With respect to perchlorate, I caution against the iodide versus perchlorate view; both have effects on the thyroid; it's not an either/or.
- Nitrate fertilizers should be looked at as a possible source of perchlorate.

Phthalates (3)

- What about the endocrine disruptors and the effect of multiple chemicals – the mixture effect?
- Phthalates are found in waters of Chatsworth reservoir. What could the source be?
- I'm glad to see phthalates on the CDC list. They are a concern, e.g., baby powders.

Other Comments about Chemicals

- **Triclosan**, a common anti-bacterial (soap, etc.), gets into water and impacts aquatic life. I am concerned about possible human health effects from triclosan.
- **DecaBDE** (deca-brominated diphenyl ether) has been found in elevated concentrations in house dust. DecaBDE may break down to other toxic PBDEs. DecaBDE is a chemical of concern.
- **Diesel**
- **Pharmaceuticals** and personal care products (PPCPs)
- **Fragrances**
- Chemicals in vaccines, e.g., **formaldehyde, aluminum**
- Dumping of illegal waste
  - Many counties have a lot of meth labs. Chemicals and waste products are dumped.
  - Illegal chemical disposal/use, e.g., disposal of toxics in fertilizers
- The CDC list includes ***cotinine***. What about ***caffeic acid***, which is found in apples, coffee, etc.
- Can ***methane*** be detected? Other byproducts of livestock production?
- What about ***gibberellic acid*** – plant growth regulator used in grapes? Is this toxic to humans?
- Can sulfites be biomonitored? Concern about life-threatening allergic reactions.
- Is ***cholinesterase*** a biomarker of effect?

Appendix 8 Chemicals Noted by Workshop Participants and in Email Submissions

Chemicals from documents submitted at public meetings (24)

- Antimony
- Arsenic
- Antimony
- Barium
- Beryllium
- Cadmium
- Hexavalent chromium
- Cu
- CN
- Fe
- Lead
- Mercury
- Manganese
- Molybdenum
- Nickel
- Thallium
- Selenium
- Silver
- Vanadium
- Zinc
- Chlorine
- TCDD
- PCP
- TCP

Chemicals from e-mail submissions

- Triclocarban*
- Triclosan*
- Chemicals that are present in dryer sheets and fabric softeners
- Depleted uranium
- Radionuclides*
- Bisphenol A*
- Mercury*
- Formaldehyde
- Caffeic acid
- Decamethylcyclopentasiloxane (D5)*
- Chemicals used in the dry cleaning industry*
- Lead
- Mercury
- Solvents
- Pesticides
- Fire retardants
- Bisphenol A
- Phthalates

* Detailed attachment(s) provided by person submitting comment