

# Consideration of Potential Designated Chemicals *Overview*

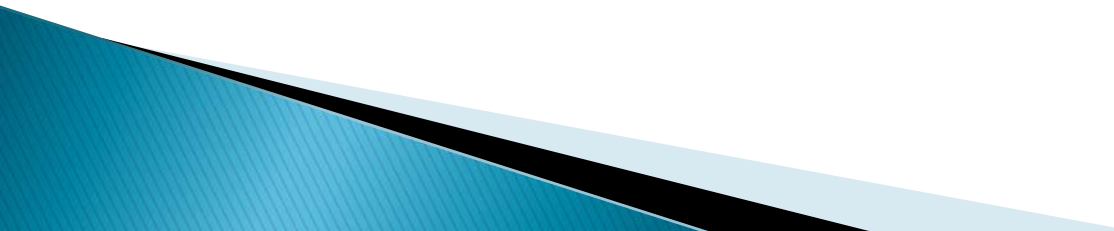
Sara Hoover, M.S., Chief,  
Safer Alternatives Assessment and Biomonitoring Section

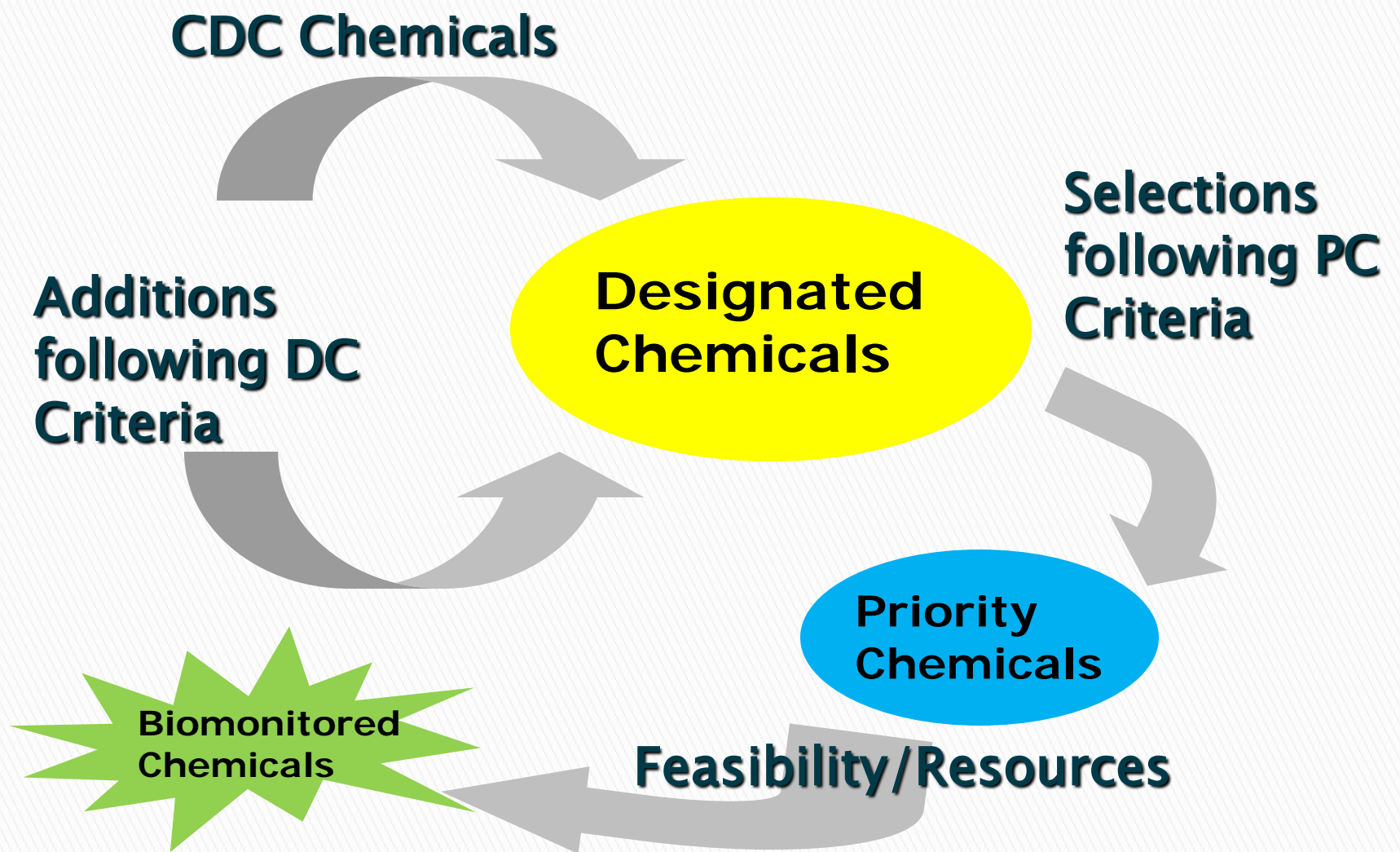
Rachel Roisman, M.D., M.P.H.  
California Environmental Contaminant Biomonitoring Program

Office of Environmental Health Hazard Assessment



# Designated chemicals

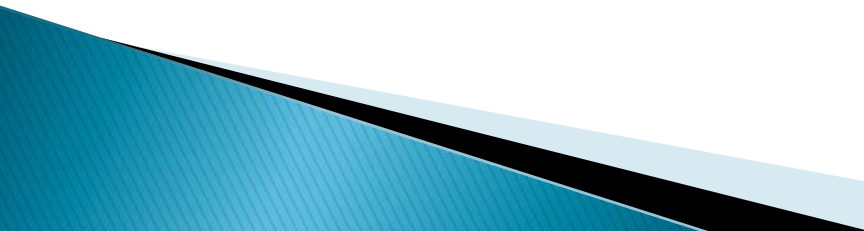
- ▶ “...known to, or strongly suspected of, adversely impacting human health or development, based upon scientific, peer-reviewed animal, human, or in vitro studies...”
  - ▶ Chemicals in CDC National Reports on Human Exposure to Environmental Chemicals are designated
  - ▶ SGP may recommend additional designated chemicals
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DC = Designated Chemicals

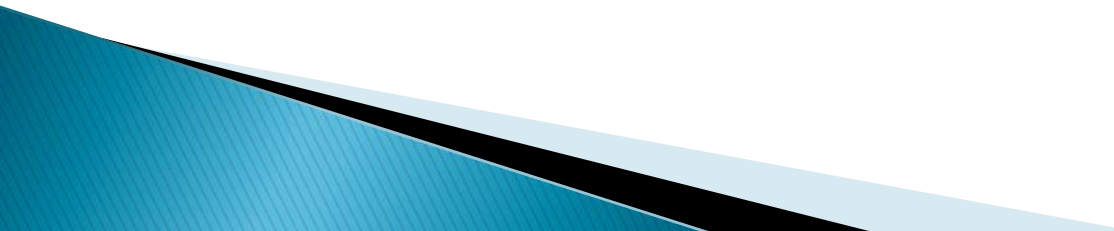
PC = Priority Chemicals

# Criteria for recommending additional designated chemicals

- ▶ *Exposure or potential exposure* to the public or specific subgroups.
  - ▶ The *known or suspected health effects* resulting from some level of exposure based on peer-reviewed scientific studies.
  - ▶ The *need to assess the efficacy of public health actions* to reduce exposure to a chemical.
  - ▶ The *availability of a biomonitoring analytical method* with adequate accuracy, precision, sensitivity, specificity, and speed.
  - ▶ The *availability of adequate biospecimen samples*.
  - ▶ The *incremental analytical cost* to perform the biomonitoring analysis for the chemical.
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# Purpose of today's agenda item

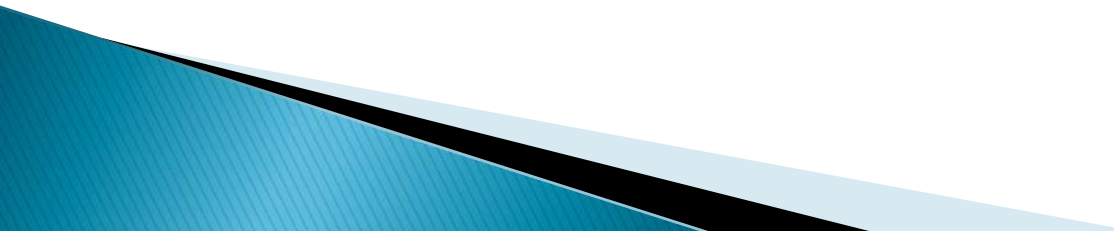
- ▶ Follow up on potential designated chemicals identified by SGP at June meeting:

Diesel exhaust	Methylsiloxanes
Flame retardants	Plasticizers
Antibiotics in animal husbandry	Vanadium
Hormones in animal husbandry	Pesticides
  - ▶ Brief presentation on potential designated chemicals, panel discussion, public comment
  - ▶ Panel recommendations on potential designated chemicals
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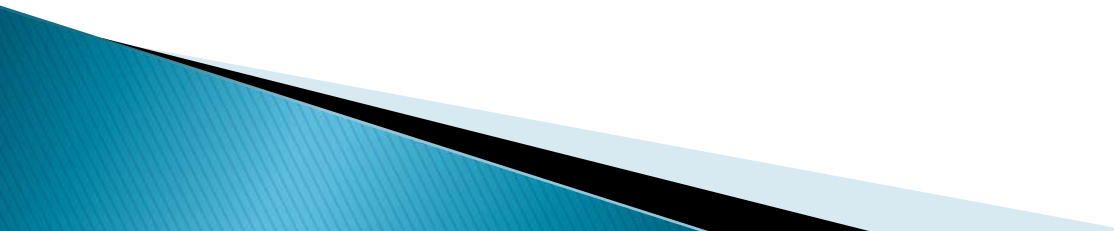
# Chemical Selection Workgroup

- ▶ Workgroup formed at June SGP meeting
  - Five meetings since June SGP (approximately monthly)
  - Coordinated by OEHHA
- ▶ Workgroup members:
  - Dr. Ulrike Luderer
  - Dr. Thomas McKone
  - Dr. Gina Solomon
  - Dr. Michael Wilson
  - CECBP staff from OEHHA, CDPH, and DTSC

# Workgroup activities

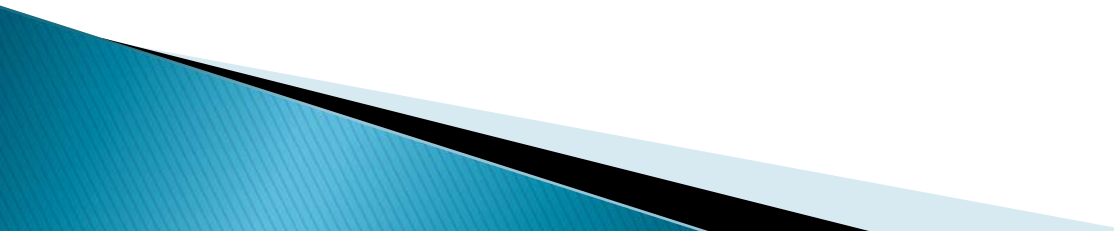
- ▶ Explored potential designated chemical groups identified by SGP at June meeting
  - ▶ Gathered information
  - ▶ Crafted draft documents
    - Drafts were brought to Workgroup for comment and revision
    - Drafts then sent to wider biomonitoring inter-agency group (CDPH, DTSC, OEHHA) for further review before being released to the public
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# Potential designated chemical documents

- ▶ Goal to produce concise documents
  - ▶ Documents do not represent comprehensive literature reviews
    - Relied on selected primary literature and secondary sources
    - Experts were also consulted on specific technical issues
  - ▶ Provide SGP with adequate information to inform discussion regarding chemical designation
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# Potential designated chemical documents (cont.)

- ▶ Documents produced on six potential designated chemicals or groups of chemicals, as shown on the agenda
  - ▶ Documents highlight information relevant to the 6 criteria for chemical designation
    - Exposure or potential exposure
    - Known or suspected health effects
    - Need to assess efficacy of public health actions
    - Laboratory considerations: method, biospecimen, cost
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# Workgroup outcome

- ▶ No decisions were made in the Workgroup regarding designation of chemicals
  - ▶ Documents generated by the Workgroup will be presented and discussed today
  - ▶ Workgroup activities are concluded
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