

# Hanford Tank vapors COPC Update

By

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# Why **Does** The COPC List Need to be Updated?

- Original list **was** compiled over 10 years ago
  - Based on headspace concentrations relative to established OELs
- No review of headspace data vs OELs has been conducted since
- **Better** quality and more recent data is available **with more sample sets**

# What Process was followed?

1. Reviewed **all** available headspace data and prioritized COPCs
2. Evaluated 1400+ compounds; identified 88 for further evaluation
3. Identified potential additions and deletions
  - 10% of the OEL or 10% of the AOEL
4. Flagged potential additions for further consideration and evaluation

# Results of the COPC Update were...

- 83 compounds were identified **as potential updates**
  - 3 flagged as strong candidates to be added to the COPC list
  - 34 require exposure action levels to be developed
  - 9 require re-assessment of concentration data
  - 5 had “misidentified” concentration data and are recommended for deletion
  - 3 have suspect data

# Additional compounds being considered for the COPC list

<b>Chemical</b>	<b>Screening Value</b>	<b>Maximum</b>	<b>Prior Maximum</b>
1-Butanamine	0.00001 ppm	0.0012 ppm	n/a
2-Propenal	0.01 ppm	0.084 ppm	0.00799 ppm
Mercury (Dimethyl)	0.00012 ppm	0.000172 ppm	0.0000268 ppm

Please send questions to:

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