

# Doaroapwehn kadehde sang Soangen kahs keper kan me kin kohsang ni dipwisou keper kan me kak kawehla mour in aramas (VOCs)



## ONG KUMWAIL KAN ME KOAUSOAN MAUI ME APWALKINDAHR LULIHDAHN WASAH KAN

### Dahkoat Soangen kahs keper kan me kin kohsang ni dipwisou keper kan me kak kawehla mour in aramas (VOCs)?

VOCs iei wini keper kan me kohdahsang nan pwehl salongala nan kisinieng. Ekei wini keper kan (VOCs) iei benzene, toluene, trichloroethylene (TCE), oh perchloroethylene (TCE). VOCs me pil kin doadoahk nan dipwisou en sidohwa kan (duwehte pilasdik, litoapw, wini en kamwakel kan, oh pil winihn kateng kan) oh pil kak kohsang nan dipwisou en wiahda ihmw kan (duwehte pingin likou, linoleum, dipwisou en tuhke laud kan, oh dipwisou en wia ihmw kan, dipwisou me kak kalamwur de karehda wasa en karakar). Met akan pil kak kihda soangen ahng me sohte mwahu ong esingek de mour en aramas duwehte ediniei sang wasa me lulihdah kan wiawih ie, ediniei sang lulidahn tehnpas akan, oh pil ediniei sang tuhkeh kan, Oail, de pil kahs.

### VOCs nan pilen nimpil kan me sansalda mwur in lulidahn wasah kan

VOC samin kan kak pwarada ma kisinieie lellehng dipwisou kan (me duwehte pipe, mehn kepir pipe kan, oh pil meters kan), oh pil leloahng wini keper kan kereplahng nan wasahn nahk en pil kan. Wasahn nahk en pil kan nan California pil sansalda me e pil iang alehdi kahpwal en VOCs ni uwehieu me kak kawehla mour nan sounpar 2017 oh 2018. Wiepeh kan sohte sansal, ahpw keper en kisinieie kan kin kak mie pwehki:



Oahlahn dipwisou kan duwehte polyvinyl chloride (PVC), audepen tehteh kan me mie kanenge me udahn kehlail ahpw pil keper polyethylene (HDPE) de soangen plastic kan me karanih kisinieie.



Tikitiklahn kususuk en pihl pwehki oahlahn pipe kan de laud en tangalahn pihl kan wasa me edineie, kahs karakar kan, de wini suwed kan (duwehte VOCs) kak tangala ie.

Samin en pihl kak pwarada ahpw sohte kasansalpe; ahpw koasoau en pihl te me pahh kadierrekda irair kesempwal wet oh ia uwen laud en VOCs kan pwehn epwelda.

### Uwen VOCs me mwahu ong anahn kan

Palih eu me apwali kamwahupe oh rosonmwahu en aramas akan me pato nan sapwen wai de Amerika (EPA) iei ehu pali me kin apwalih wiepe mwahu kan me pidada kamwahukan ong sakatail pihl en nimpil ong VOCs kan en nan pihl kan

Winih kan	Minimin en sapwen mehn Amerika EPA Laudlahn Winih Kan (me kak pato ni uwen laud dep)*
Benzene	5
Carbon tetrachloride	5
p-dichlorobenzene	75
Trichloroethylene	5
Vinyl chloride	2
1,1,1 - trichloroethane	200
1,1-dichloroethylene	7
1,2-dichloroethane	5
cis-1,2-dichloroethylene	70
Ethylbenzene	700
Chlorobenzene	100
o-dichlorobenzene	600

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### VOCs oh Roson

Pwehn utungada doadoahk pen winih wet, mie pil keperpe ong kamwahupetail me pidada VOC wet oh kasalepe:

- **Acute:** mwus, soansuwed en nan kapehden aramas, soansuwed en nan kilin aramas, men meir, mwekid karuwaru oh apwal kan en nan paliwar, oh mwekid karuwaruh kan en nan mohngiong en aramas.
- **Koasoandih kan nan ansou reirei:** anemia, kanser, soansuwed en nan mwasahl kan, soansuwed en wasahn kaneitik kan, oh soansuwed en kekeirdahn paliwar ehu.

### Dipwisou anahn kan

- [Oahlahn wasahn nahk pilkan Wasah kan me patohwanda pilen nimpihl \(epa.gov\)](#)
- [Wini keper kanme kak sihpla nan pihl kan oh wasah kan | Dakehn winih kan | Dewen wini keper kan | ATSDR \(cdc.gov\)](#)
- [Mehnkaweid kan ong EPA Ohpis me apwalih mwakelekel oh doadoahk pen pilen nimpihl](#)
- Pilen nimpil me saminla pwehki oahlahn de saminlahn deupeh de plastic kan: Koasoandih kan ong doarepwehn lulidahn wasa oh epwel mwahu kan nin duwen kakunlahn wasa lulidahkan. Isaacson KP, Proctor CR, Wang QE, Edwards EY, Noh Y, Shah AD, oh Whelton AJ, Kaskuhl oh kaiahn en kan me pidada momour en aramas akan nan arail wasahn koausoan oh duwen arail apwalih sapwarail oh audepeh kan: Kaskuhl kan ong wasahn nahk pil oh dipwisou en doadoahk kan, 2021, 7 274-284, <https://doi.org/10.1039/d0ew00836b>

### Uwen VOCs me mwahu ong anahn kan

Winih kan	Minimin en sapwen mehn Amerika EPA Laudlahn Winih Kan (me kak pato ni uwen laud dep)*
Styrene	100
Tetrachloroethylene	5
Toluene	1,000
Trans-1,2-Dichloroethylene	100
Xylenes	10,000
1,2-dichloropropane	5
Dichloromethane	5
1,1,2-trichloroethane	5
1,2,4-trichlorobenzene	70

\*Laudlahn Winih Kan (MCL): Uwen laud en wini me kak koghieng nan wasahn nahk pihl

### MIE PEIDEK?

Hawai'i Poison Control Center 1-800-222-1222  
[health.hawaii.gov/mauiwildfires](http://health.hawaii.gov/mauiwildfires)

**MENLAU TEHK MWAHU OH IDAWEN DUWEN KOASOANDIH KAN SANG IRAIL SOUNKAWeid KAN SANG SAHPW WET.**

