

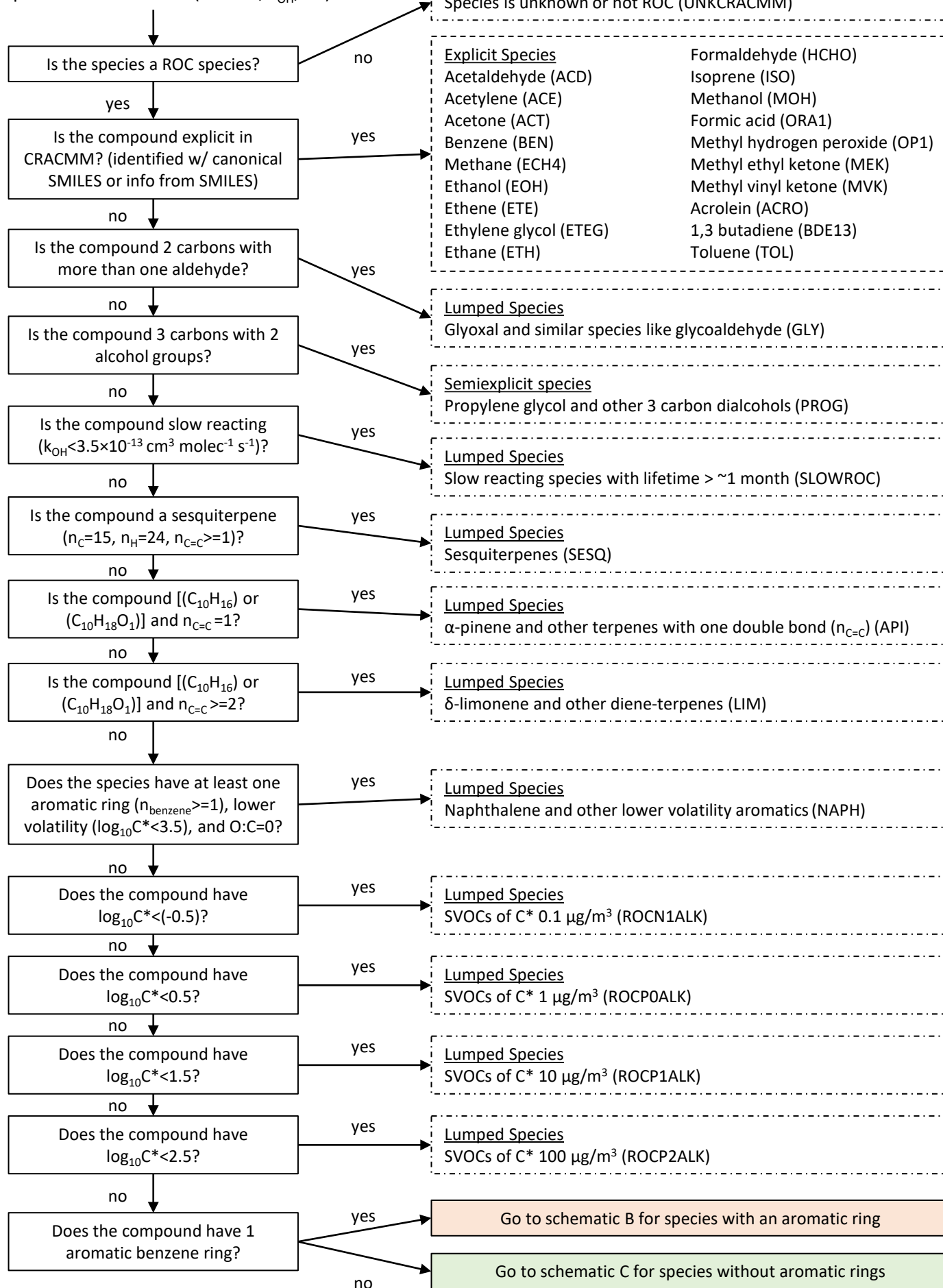
CRACMMv1.0 Emissions Mapping, Updated 9/19/2022

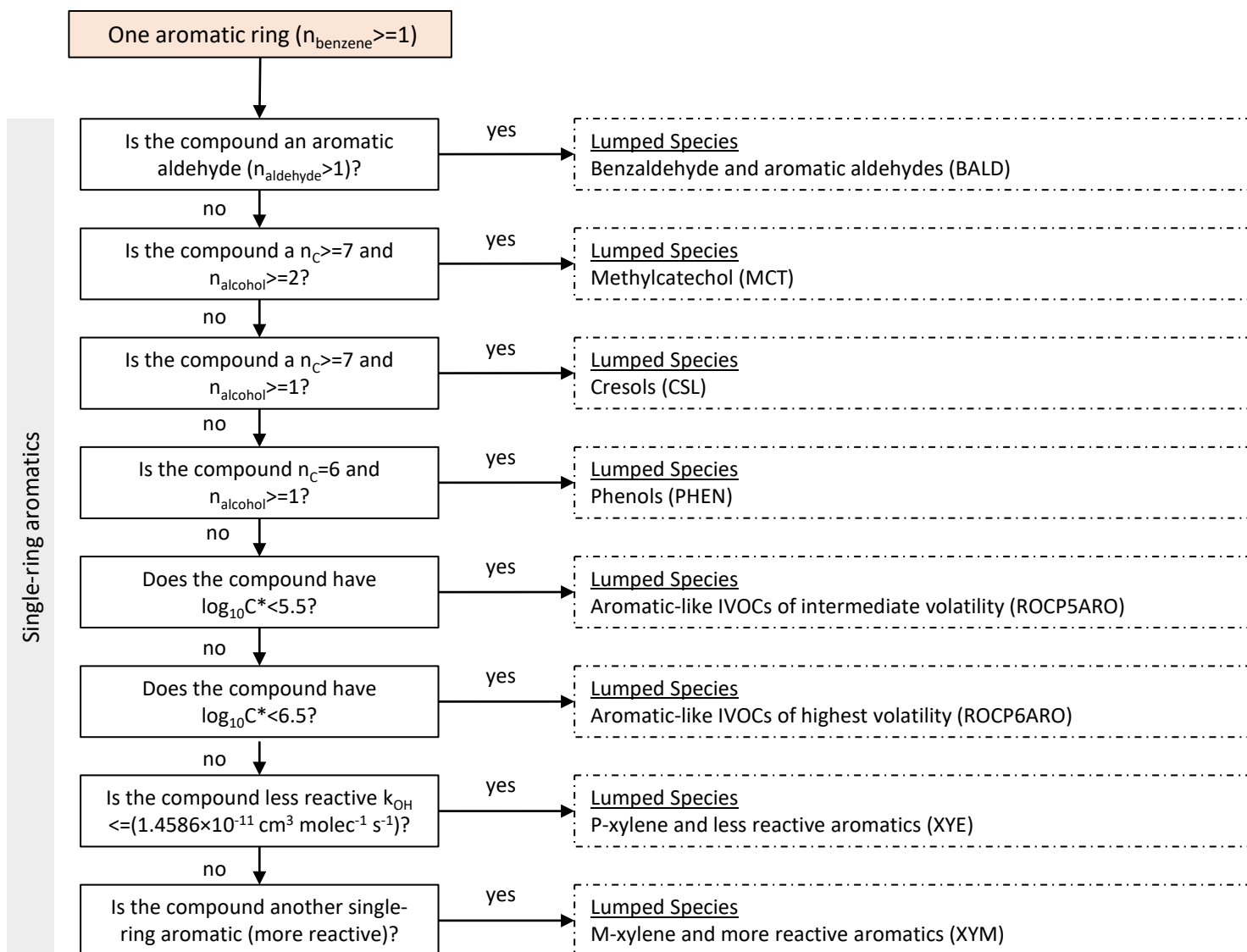
Compound with metadata (SMILES, k_{OH} , C^*)

Explicit and Semiexplicit

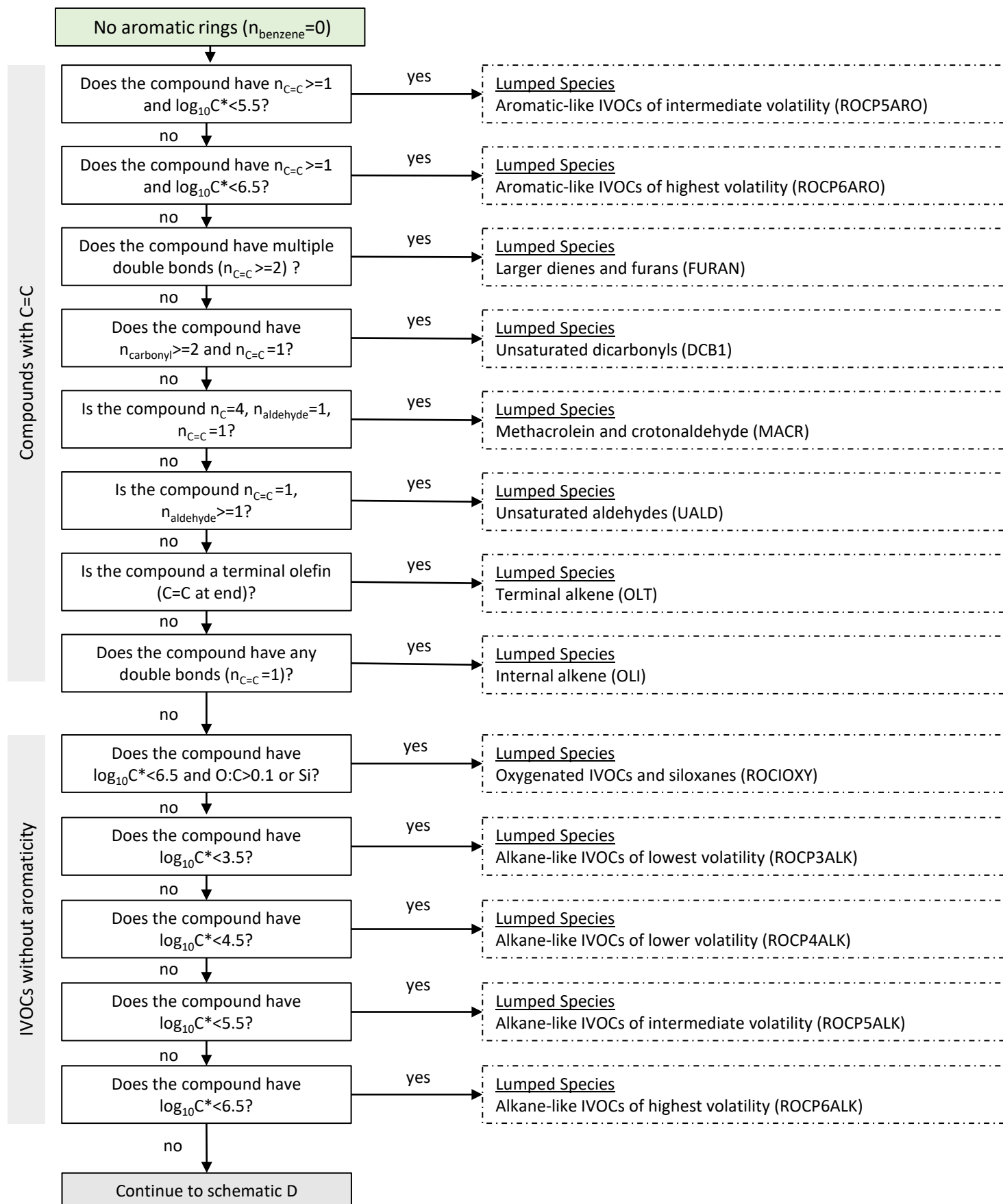
Terpenes

SVOC and lower volatility aromatic species

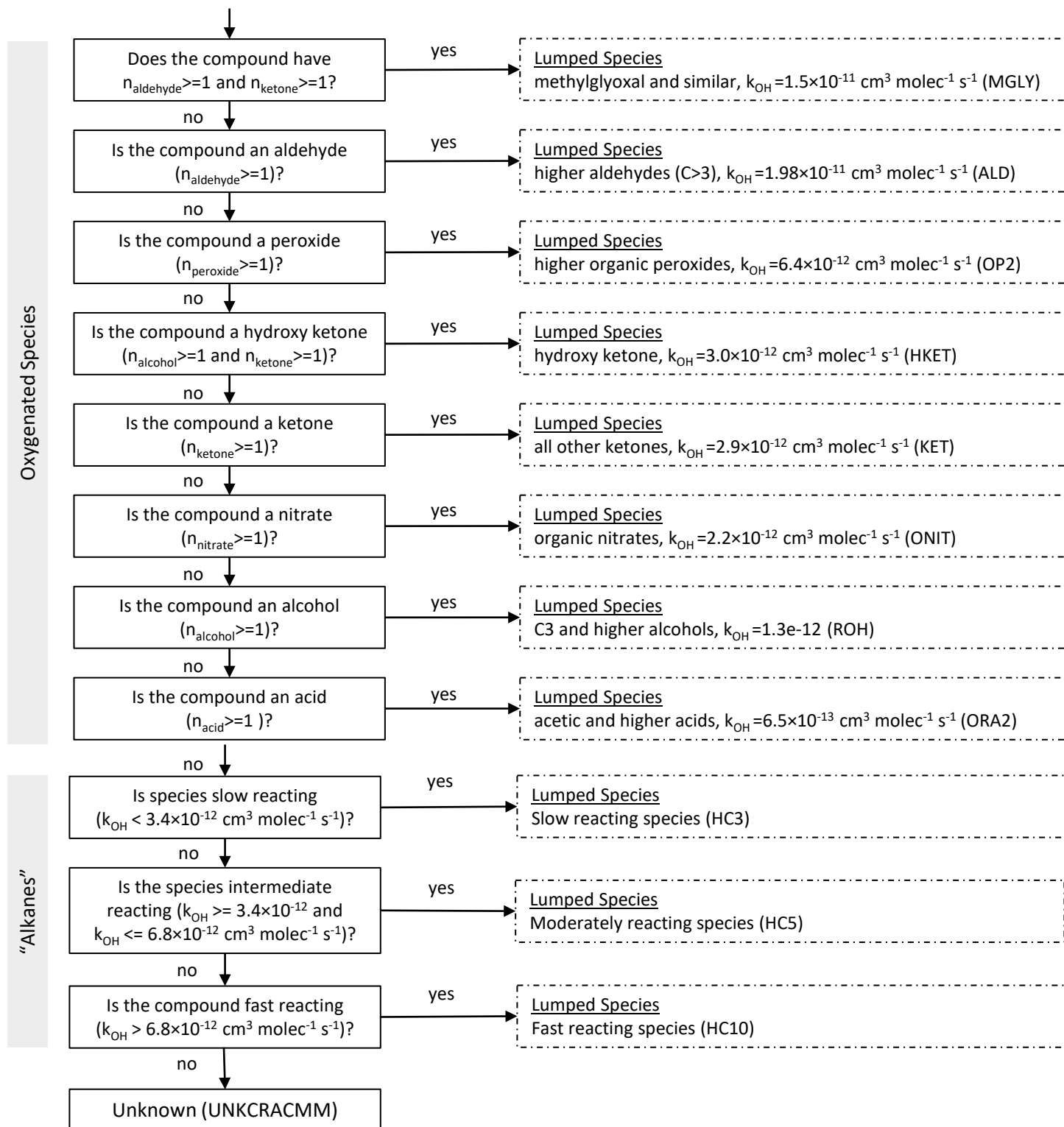




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C* are always in $\mu\text{g m}^{-3}$

Unknowns may be of 3 types:

- UNKKOH: unknown k_{OH} (correct by specifying better surrogate).
- UNKSMILES: unknown SMILES (correct by specifying better surrogate).
- UNKCRACMM: unknown in mapping. All ROC species eventually get classified by k_{OH} , but species that do not have any carbon atoms or are elemental carbon do not get mapped.

RACM2 SI: <https://ars.els-cdn.com/content/image/1-s2.0-S1352231012011065-mm1.pdf>

CMAQ Implementation of RACM2:

https://github.com/USEPA/CMAQ/blob/master/CCTM/src/MECHS/mechanism_information/racm2_ae6_aq/mech_racm2_ae6_aq.md