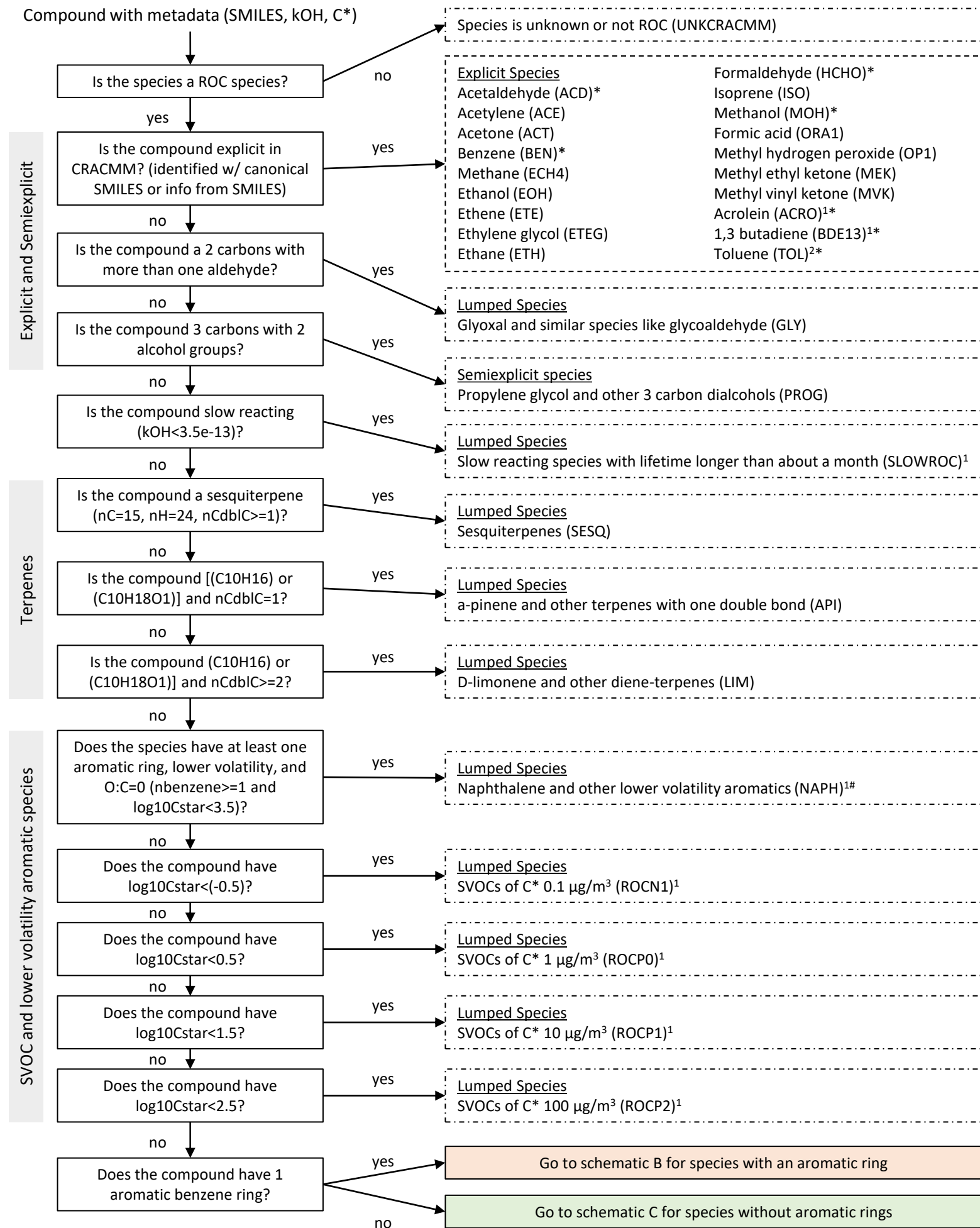
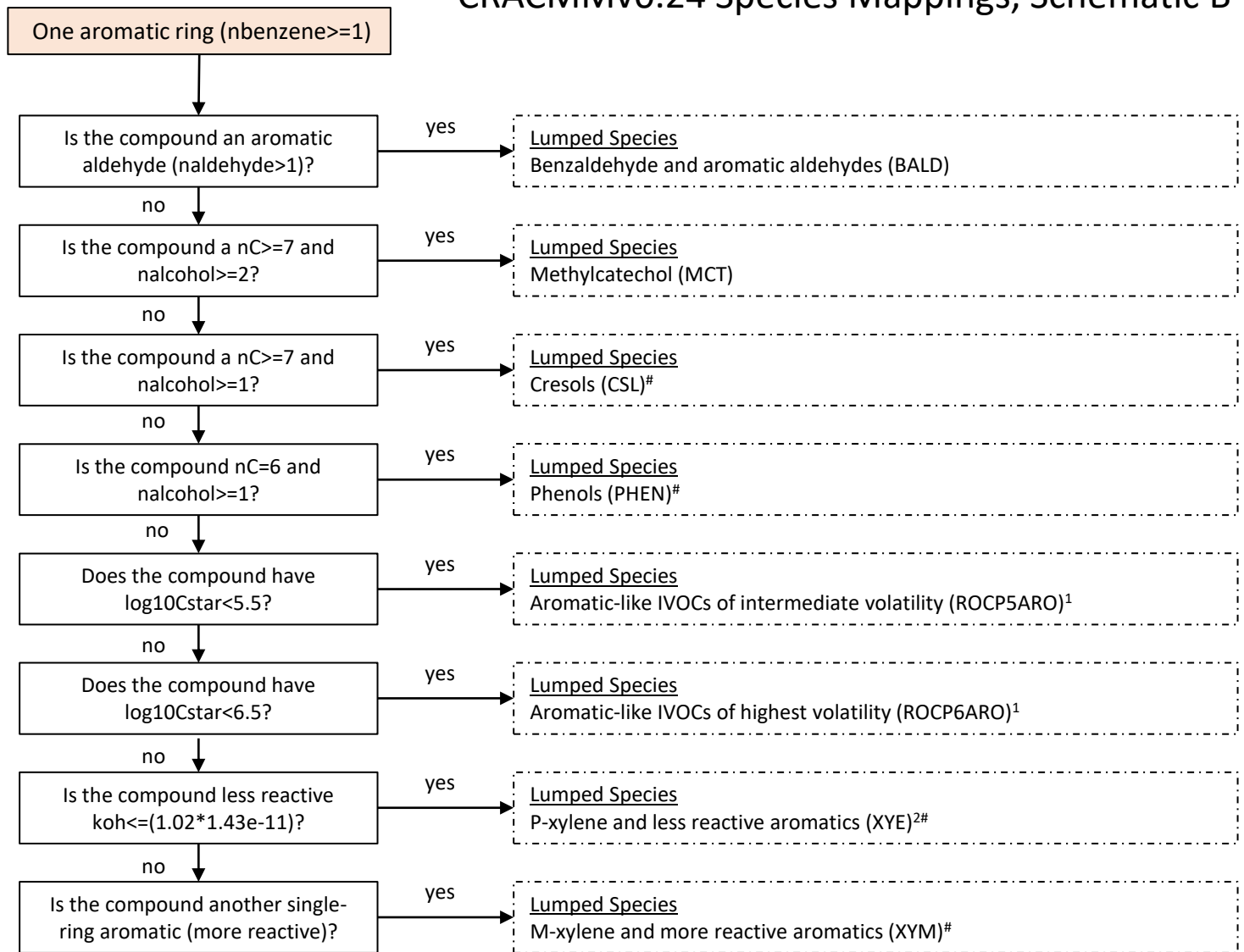


CRACMMv0.24 Species Mappings, Schematic A

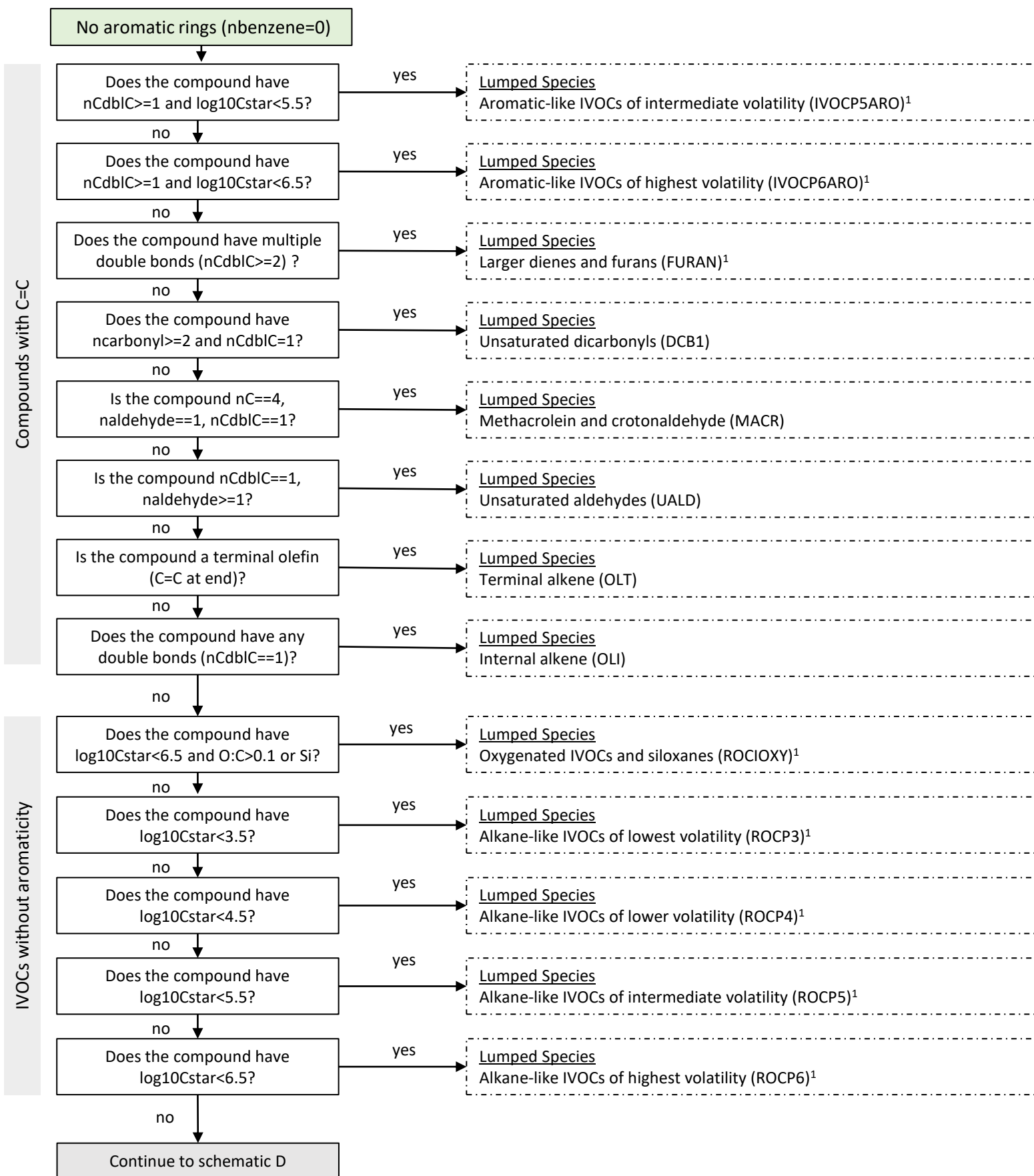
Compound with metadata (SMILES, KOH , C^*)

CRACMMv0.24 Species Mappings, Schematic B

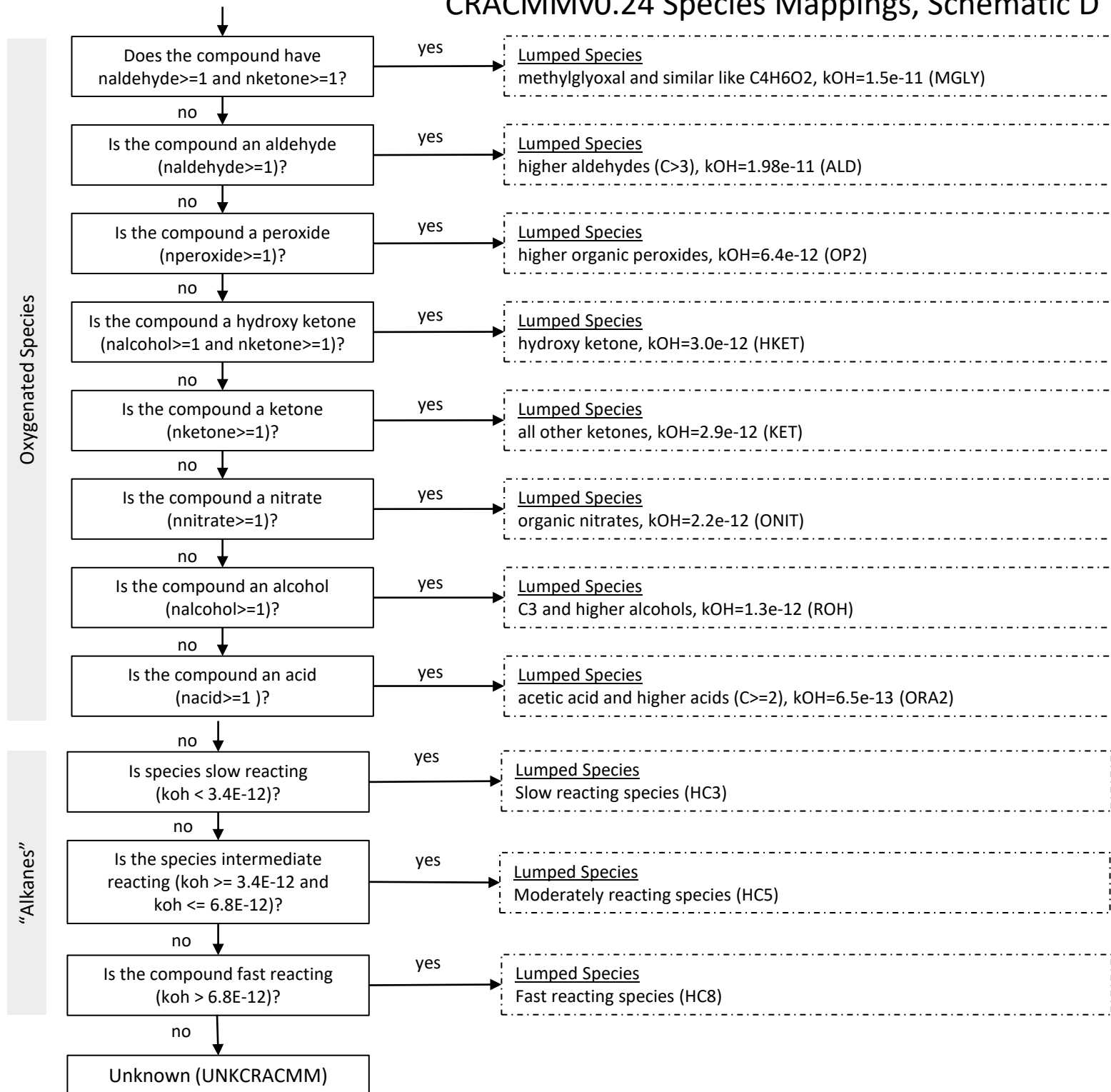
Single-ring aromatics



CRACMMv0.24 Species Mappings, Schematic C



CRACMMv0.24 Species Mappings, Schematic D



Unknowns may be of 3 types:

- UNKKOH: unknown kOH (correct by specifying better surrogate).
- UNKSMILES: unknown SMILES (correct by specifying better surrogate).
- UNKCRACMM: unknown in mapping. All ROC species eventually get classified by kOH, 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-mmc1.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

Notes:

*HAP or potentially hazardous.

#Lumped species largely consisting of one or more HAPs.

¹New in CRACMM compared to base RACM2

²Modified species definition compared to base RACM2