

California State Polytechnic University, Pomona
CHM 424L, Organic Analysis
Tentative Laboratory Schedule, Fall 2017

Week 1	Monday 9/25 Check-in, safety, notebook, demos: IR, NMR, TLC, make spotters	Wednesday 9/27 Diol oxidation
2	10/2 Quantitative NMR analysis of mixtures	10/4 Spearmint oil analysis (column chromatography)
3	10/9 “Whisky” distillation	10/11 “Whisky” continued Benzoic acid isolation from Listerine
4	10/16 Listerine, continued	10/18 Listerine, continued Caffeine extraction
5	10/23 Caffeine isolation/analysis	10/25 Ibuprofen isolation
6	10/30 Ibuprofen analysis Eugenol isolation from cloves	11/1 Eugenol continued
7	11/6 Isolation of essential oils from catnip (steam distillation)	11/8 Analysis of catnip cont'd
8	11/13 Separation of mixture by column chromatography, identification of unknowns	11/15 unknown analysis, continued
9	11/20 Alzheimer’s drug isolation from flower bulbs	11/22 NO LAB (Alzheimer’s drug NMR spectra analysis)
10	11/27 unknown analysis, continued	11/29 CHECK-OUT & WRITTEN LAB FINAL/PROJECT
F	12/4	12/6 <i>CHM 424 Lecture Final</i> <i>11:30 am – 1:30 pm</i>