

Tekmar Traps - Quick Reference

Trap No.	Description	What it Traps	Common Problems	Dry Purge Time	Desorb Preheat Temp. (°C)	Desorb Temp. (°C)	Bake Time and Temp. (°C)	Condition parameters
1	Tenax	Everything from methylene chloride and heavier	Low Response on Borominated Compounds High back pressure Outgassing of benzene, toluene and ethyl benzene	0.5-2 min.	220	225	230	225 °C for 180 min.
1A	Tenax (Larger Mesh)	Everything from methylene chloride and heavier	Low Response on Borominated Compounds High back pressure Outgassing of benzene, toluene and ethyl benzene	0.5-2 min.	220	225	230	225 °C for 180 min.
2	Tenax; Silica Gel	Everything except freons	Low Response on Borominated Compounds High back pressure Outgassing of benzene, toluene and ethyl benzene	Not advised	220	225	230	225 °C for 180 min.
3	Tenax; Silica Gel; Charcoal	Everything including freons	Low Response on Borominated Compounds High back pressure Outgassing of benzene, toluene and ethyl benzene	Not advised	220	225	230	225 °C for 180 min.
4	Tenax; Charcoal		Low Response on Borominated Compounds High back pressure Outgassing of benzene, toluene and ethyl benzene	0.5-2 min.	220	225	230	225 °C for 180 min.
5	OV-1; Tenax; Silica Gel; Charcoal	Everything including freons	Low Response on Borominated Compounds High back pressure Outgassing of benzene, toluene and ethyl benzene	Not advised	220	225	230	225 °C for 180 min.
6	OV-1; Tenax; Silica Gel	Everything including freons	Low Response on Borominated Compounds High back pressure Outgassing of benzene, toluene and ethyl benzene	Not advised	220	225	230	225 °C for 180 min.
7	OV-1; Tenax	Everything from methylene chloride and heavier	Low Response on Borominated Compounds High back pressure Outgassing of benzene, toluene and ethyl benzene	0.5-2 min.	220	225	230	225 °C for 180 min.
8	Carbopak B; Carbosieve S III	Everything including freons	Loss of carbon tetrachloride Trap may need up to 11 min of dry purge to remove water	0.5-2 min.	245	250	260	260 °C for 90 min.
9	Proprietary	Everything including freons	Unknown	0.5-2 min.	245	250	260	270 °C for 120 min.
10	Tenax; Silica Gel; Carbosieve III	Everything including freons	Unknown	Not advised	220	225	230	225 °C for 180 min.
11	VPH Trap (Proprietary)	Volatile petroleum hydrocarbons	Unknown	0.5-2 min.	245	250	260	270 °C for 120 min.
Vocarb 3000 (K)	Carbopak B; Carboxen 1000; Carboxen 1001	Everything including freons	Decomposition of bromoform can occur To prevent, reduce desorb temp to 240 °C	0.5-2 min.	245	250	260	270 °C for 120 min.
Vocarb 4000	Carbopak C; Carbopak B; Carboxen 1000; Carboxen 1001	Everything except 2-chloro-ethyl-vinyl ether	High backpressure Low response of chlorinated compounds	0.5-2 min.	245	250	260	270 °C for 120 min.
BTEX-TRAP	Carbopak B; Carbopack C	Everything down to benzene (Does not trap MeOH)	Unknown	0.5-2 min.	245	250	260	270 °C for 120 min.
BTEX-+MTBE	Carbopak B; Carbopack C	Everything down to benzene + MTBE (Does not trap MeOH)	Unknown	0.5-2 min.	245	250	260	270 °C for 120 min.