



Environmental Organochlorine Pesticides



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Organochlorine pesticides, such as DDT, have a long history of widespread use around the world. These compounds have been used as insecticides since the 1940's and are typically very persistent in the environment, and are known for accumulating in sediments, plants and animals. Organochlorine pesticides have a wide range of both acute and chronic health effects, including cancer, neurological damage, and birth defects. The DPS Pesticides GC Analyzers are configured using the nonradioactive BCD detector to identify these pesticides in food and other products in the part per billion (ppb) range. The BCD requires only helium to operate. The fast heating and rapid cooling column oven in every DPS GC vastly increases your sample throughput and adding a second column and detector allows you to perform primary and conformational analyses with one injection. The fully integrated Pesticides GC Analyzer systems are small and lightweight and all DPS systems are modular for expandability, upgrades, and easy service.



Series 600 GC

Available Configurations Include:

- 600-C-130 - Series 600 Organochlorine Pesticide GC Analyzer (BCD, 30m)
- 600-C-131 - Series 600 Dual Column Organochlorine Pesticide GC Analyzer (BCD, BCD, 2 x 30m)
- 500-C2-130 - Companion 2 Portable Organochlorine Pesticide GC Analyzer (BCD, 30m)

Chlorinated Pesticides with BCD - 200 ng



Companion 2 Portable GC

Peak	Component	Area
1	α-BHC	523.5
2	γ-BHC	366.9
3	β-BHC	506.2
4	δ-BHC	174.4
5	Heptachlor	690.6
6	Aldrin	331.4
7	Heptachlor Epoxide	831.1
8	Chlordane	578.3
9	Endosulfan I	512.4
10	4,4-DDE	475.9
11	Dieldrin	433.7
12	Endrin	327.9
13	4,4-DDD	241.3
14	4,4-DDT	209.7
15	Endosulfan Sulfate	165.7
16	Methoxychlor	103.2
17	Endrin Ketone	1219.4

