Environmental

Environmental Pollutants Analyzers

DPS Instruments, Inc.

www.dps-instruments.com

Some of the millions of gallons of chlorinated solvents used in industry over the years have spilled, polluting our air, soil, rivers, lakes, streams, and ground water. Environmentally conscious legislation has been passed in many parts of the world to limit future spills, clean up existing polluted sites, and lessen the overall risk to ourselves and to our children. DPS has configured a range Environmental GC analyzers to assist in the detection of common pollutants. All of these Environmental GC Systems allow direct injection of sample extracts. However, DPS has also added a built-in Air Concentrator and Purge & Trap for low ppb level analysis of air, water, or soil samples all in one GC. The Series 600 GC is for analyses in the lab, or the Portable Companion 2 GC Systems are for analyses right where the samples are taken. The FID detector is sensitive to hydrocarbons, which can assist in defining the source of the pollutant, the PID is very sensitive to aromatics such as Benzene, and the BCD is ultra-sensitive to chlorinated compounds. A combination of detectors covers most environmental methods. All DPS GC systems are small, lightweight and modular for expandability, upgrades, and easy service.

Series 600 GC

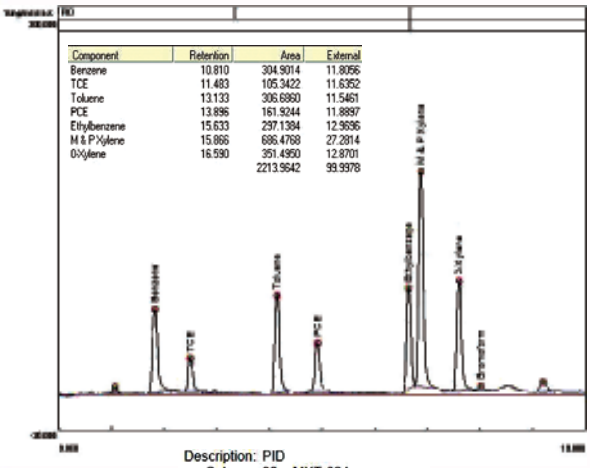
Available Configurations Include:

600-C-014 - Series 600 Environmental GC Analyzer (FID, PID, BCD, 2 x 30m, Air and Purge & Trap Concentrators)

500-C2-014 - Companion 2 Portable Environmental GC Analyzer (PID, BCD, 30m Air and Purge & Trap Concentrators)

Companion 2 Portable GC (With Purge & Trap and Air Concentrators)

BTEX by Purge & Trap - 10ppb in water



Component	Retention	Area	External
Benzene	10.810	304.9014	11.8056
TCE	11.483	105.3422	11.6352
Toluene	13.133	306.6860	11.5461
PCE	13.896	161.9244	11.8897
Ethylbenzene	15.633	297.1384	12.9696
M & P Xylene	15.866	686.4768	27.2814
OXylene	16.590	351.4950	12.8701
		2213.9642	99.9978

Description: PID
Column: 30m MXT-624
Carrier: Helium @ 40 kPa
Data file: BTEX10.chr ()
Sample: 10ng/ml BTEX Standard
Comments: PID Detector
Detector Temp = 150C
High Voltage = 600V
Gain = 3
Collector = -100V
Range 5V
Valve = 100C