

# The Syntech Spectras GC955 Background Toxic hydrocarbons analysers

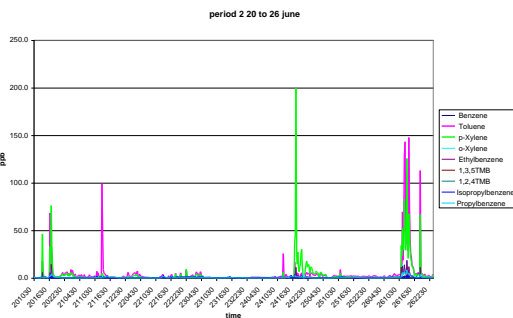
Syntech Spectras has developed several monitors for measuring hydrocarbons suitable for application in indoor measurement.

The units can be set-up and run within a short time, enabling monitoring an area for specific toxic pollutants, giving the results within a few hours. In a 19" case, the units can even be transported into houses, playing fields as well as to waste dumps and industrial area perimeters. We sold several application-packages that can be reconfigured within a few hours and then recalibrated for different groups of chemicals.

The sensitivity is good, for most hydrocarbons detection limits in the low ppb to ppt range can be reached.

The most useful applications in the indoor area are:

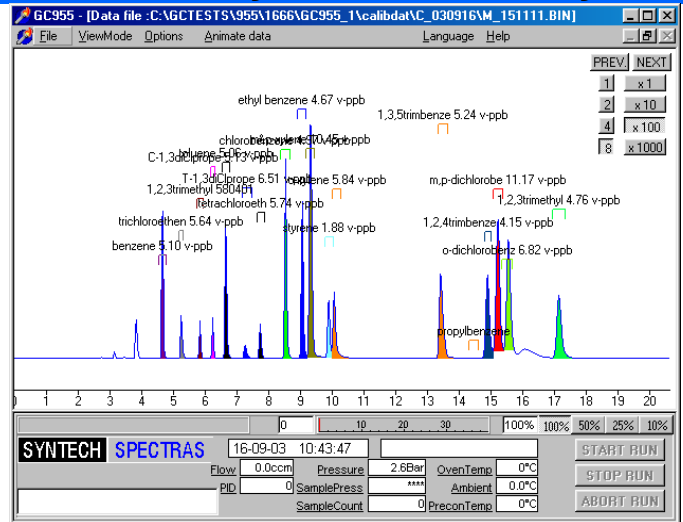
- Aromates: benzene, xylenes, styrene, trimethylbenzenes etc.
- Chlorinated hydrocarbons, from the small vinyl chloride up to tetrachloroethylene and chlorobenzenes
- Sulfur components: from methyl-mercaptan up to dimethyldisulfide
- Monomers of polymers, like acrylonitrile, vinyl chloride, butadiene, styrene



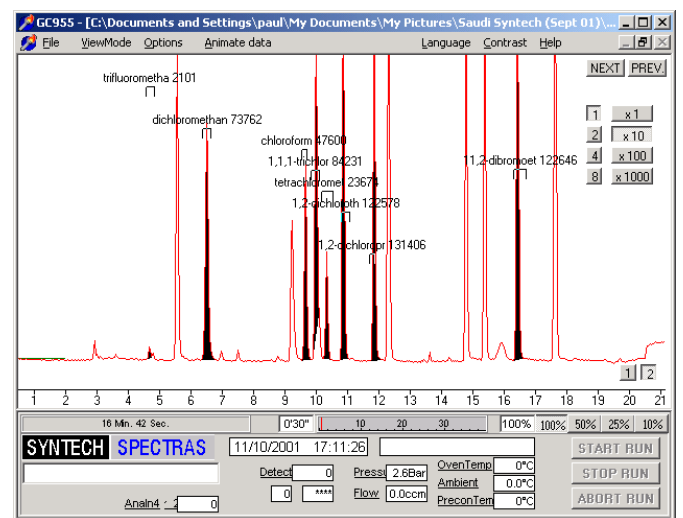
Measurement in a residential area with an illegal car-spraying "neighbour" causing frequent extreme peaks of aromates



Mobile unit, can be run for several days on a 2 –l bottle of nitrogen, can be battery powered



Aromates



Chlorinated hydrocarbons

<b>615 Ozone precursors fraction C6-C10</b>	PID and /or FID detector. Lowest detection level for benzene 0.4 $\mu\text{g}/\text{m}^3$ (0.15 vppb). Range: up to 300 ppb. <i>Included items: SERIES 600, column AT624 or ATwax, 30m, 0.32 mm ID, 1.8 <math>\mu\text{m}</math> film, cycle time 30 min, temp program 20 - 90 °C</i>
consumption of gas	instrument air: dry and clean, 3 bar, 250 ml/min nitrogen, quality 5.0, 4 bar, 25 ml/min hydrogen, quality 5.0 at 20 ml/min
dimensions	19" rack, 5 standard Height Units, depth 37.2 cm net
power demand	220 V AC, 200 VA (110 V AC available)
included hardware	computer Pentium class, hard disk >3Gb, 2.5", zip drive, display LCD 10" colour, I/O 4 x RS232, 1 parallel-port
included software	Windows 98, control of instrument: direct control via keyboard or mouse, or via remote host (RS232 / modem), data exchange protocols available on demand
Option	One PC can control 2 gaschromatographs