

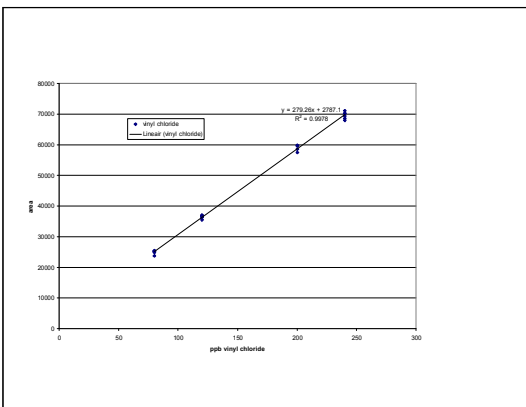
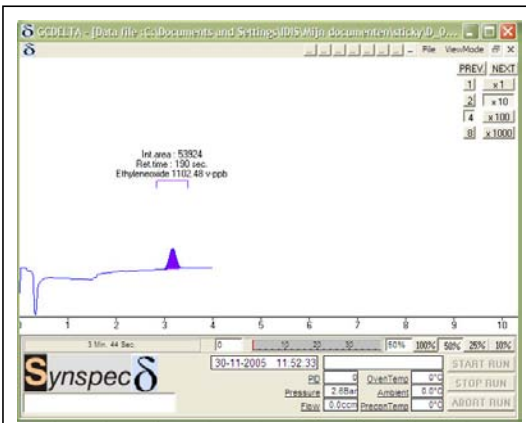


# Synspec

# DELTA 300

## TOXIC HYDROCARBON ANALYZER

THE DELTA IS THE NEW SINGLE COMPONENT ANALYZER LINE OF SYN-SPEC FOR THE MEASUREMENT OF TOXIC HYDROCARBONS. IN THE DELTA WE HAVE COMBINED THE KNOWLEDGE OF 10 YEARS OF MAKING GAS CHROMATOGRAPHS FOR AMBIENT AIR MONITORING. SYN-SPEC DESIGNED THIS NEW MONITOR FOR ENVIRONMENTAL AND SAFETY MONITORING IN INDUSTRIAL AREAS



For many years Synspec has been developing monitors for hydrocarbons measurement for industrial safety.

Environmental and industrial safety authorities require increasingly very strict monitoring of the carcinogenic and highly toxic hydrocarbons: this means that low ppm to ppb measurements for indoor industrial applications down to low ppb for outdoor use are obligatory.

We offer for this a multipoint sampler, automatic measurements, simple software, automatic TWA calculations, flexible data-communication

### EXAMPLES OF MODIFICATIONS:

- Benzene, Epichlorhydrine
- Ethylene oxide, Propylene oxide
- Acrylonitrile, 1.3-Butadiene, Styrene
- Vinyl chloride, Dichloroethane
- THT (tetra hydro thiophene) in natural gas

And many other toxic hydrocarbons on demand

**MEASURING PRINCIPLE:** The analyzer is a compact GC. It contains all the essential elements: sampling unit, backflush valve, separation column in special small oven unit and detector. The detector is an FID or a PID, depending on the application.

The gas sample is pumped in a **LOOP**. The sample is then injected over the valve into a column and the single hydrocarbons pass on to the detector. The loop size is adapted to the concentration range specified by the customer.

All higher boiling hydrocarbons will be **BACKFLUSHED**.-This means that the system will auto clean and that a short cycle time is possible. The system is adapted to the specific hydrocarbon that must be monitored with regards to the essential parameters column, flow, temperature and backflush setting.

The instrument works with a **TRUE GAS CHROMATOGRAPHIC SEPARATION**: we use this to avoid problems with misidentification.

