

Monitoring VOC's from Carbon Beds

Application Note #23

Carbon beds have been used to remove VOC's from gaseous effluents for many years. In the 1970's and 80's, the application was reducing solvent emissions required by the EPA. The solvent was usually recovered on site from the carbon bed using steam. Today, 55 gallon drums are used to trap the VOC's which are then returned to the manufacturer for recycling. **Continuous monitoring is essential for process or emission control.**

Soil vapor extraction (SVE) is one of the few innovative technologies that has gained wide use for site cleanup. The process (Pump & Treat) involves inducing airflow in the subsurface with an applied vacuum, and thus enhancing the volatilization of contaminants in the soil. Extraction of air laden with contaminant vapors are trapped on carbon beds.

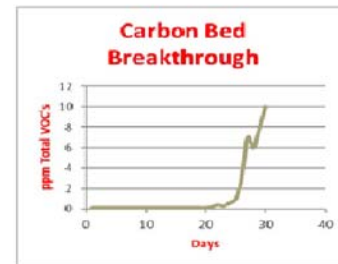
The 201C can be left unattended with calibration gas for long periods of time. The analyzer will automatically recalibrate itself every 24 hours. It will report any problems with the analyzer such as: lamp off, HV off, low calibration, high range alarm, etc. An optional data storage module which will store > 1 years of data. The 201C can be connected to the internet and a program is available that will operate on a PC sitting on your desk (remote view).

Specifications-

- Analysis time-Continuous**
- Detection Limit: <0.1 ppm**
- Programmable**
- Outputs:** RS232, RS485, 0-1 VDC, optional 4-20 mA
- Detectors:** **PID or FID**
- Enclosures:** NEMA 4 wall or 19" rack mount



Model 201C Wall Mount



Carbon Bed Breakthrough



55 Gallon canisters of Carbon

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