

ANALYTICAL SERVICES

Leeder Consulting offer an extensive range of analytical services to meet your ambient air or emission testing requirements. With access to leading technology, our experienced chemists will help you develop the most appropriate sampling and analysis program.

STACK ANALYTICAL SERVICES

We provide a wide range of USEPA and ASTM analytical methods for the analysis of samples collected from stack emissions. Our methods cover a wide range of compounds from volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), reduced sulphur compounds, trace metals to inorganic species.

AMBIENT AIR SERVICES

Analysis of ambient air is typically very difficult as the compounds of interest tend to be present at very low levels ($\mu\text{g}/\text{m}^3$ -ppb). Leeder has a dedicated trace level laboratory which is set-up for ambient air analysis.

OHS TESTING SERVICES

Leeder offer a wide range of NIOSH, OSHA and ASTM methods for the analysis of OH&S derived samples and media. We take part in the UK WASP proficiency study program each year for a wide range of parameters.

SUPPLY OF SAMPLING MEDIA

Sampling media forms an integral part of obtaining reliable results. We work with you to ensure the proposed sampling and analysis techniques will satisfy your data quality objectives.

All sampling media we supply is "certified clean" prior to being shipped to you for sampling. Some specific methods require that the sampling media be spiked so that a sampling recovery can be determined.

Leeder can do this and meet your sampling media needs.

Some of the sampling media supplied include;

- VOST (Volatile Organic Sampling Train) tubes
- Tenax TA tubes
- TO-17 Multi-bed carbotrap 300
- TO-11A aldehyde and ketone tubes
- XAD-2 SVOC Resin Traps
- Poly urethane foam (PUF) sampling cartridges
- XAD2-PUF Cartridge
- DNPH Impinger Solutions
- Gas Bags
- Diffusion Samplers
- Ultra pure acids



Method	NATA Accredited	Method Number
Acid gases	P	MA-1127
Alcohols	Yes	MA-1418
Aldehydes & Ketones	Yes	USEPA TO-5 (impinger)
Aldehydes & Ketones	Yes	USEPA TO-11A (cartridge)
Aliphatic amines	Yes	MA-1570
Anion Impinger solutions (HCl,Br-F-,Cl-)	P	USEPA 0050/9056/9057
Aromatic solvents	Yes	MA-5
Aromatic amines	Yes	MA-1175
Benzene	Yes	MA-5, TO-17, USAEPA 8260
Bromine speciation	Yes	MA-1135
Carbon disulfide	Yes	USEPA 8260
Chromium VI/Chromium III	Yes	USEPA 7199
Carboxylic acids	Yes	MA-1425
Chlorinated solvents	Yes	USEPA 8260
Iodine speciation	No	MA-1127
Isocyanates	Yes	MA-1457
Dicarboxylic acids	Yes	MA-1426
Dioxin/Furans	No	USEPA Method 29
Organosulfides	Yes	MA-1429
Formaldehyde	Yes	MA-1159
Fumigants	Yes	MA-5
Gluteraldehyde	Yes	MA-1159
Metals	Yes	USEPA 6020
Metals	Yes	USEPA Method 29
Metals	Yes	USEPA 0060
Multi-metals trains	Yes	USEPA 29/6010B/7471A
Mercury speciation	P	ASTM D6784
Methyl bromide	Yes	MA-5
Mercaptans	Yes	MA-1113
Nitrous Oxide	No	MA-20
Odour identification by GC-MS-O	No	GC/MS/O
Organolead (TEL, TML)	No	MA-1121
PAHs	Yes	USEPA 8270, TO-13
PAHs	Yes	USEPA 0010/3542
PCBs	Yes	USEPA 8270
Pesticides	Yes	USEPA 8270
Phenolics	Yes	USEPA 8270
Phthalates	Yes	USEPA 8270
Reduced sulphur compounds	Yes	MA-1113, ASTM D5504
Semi-volatile organics on XAD resin	Yes	USEPA 0010/8270, TO-13
Semi-volatile organics on PUF cartridge	Yes	USEPA 8270
Siloxanes	Yes	USEPA 8270
VOST Volatile Organic Compounds	Yes	USEPA 0041
Volatile Organic Compounds on carbon tubes	Yes	MA-5, MA-8
Volatile Organic Compounds	Yes	USEPA TO-17
Volatile Organic Compounds	Yes	NIOSH 1500
Welding fume	Yes	ICP-MS

P= Pending