

Additional Information About the Equipment

Agilent GC7890B coupled with 5977B Inert Plus MSD

Turbo molecular pump with EI Extractor ion source and CI source with PCI & NCI acquisition Gas Chromatograph/Mass Selective Detector (GC/MSD). Mass range 1.6–1,050 amu. GC-MSD is controlled by Mass Hunter software to set instrument, develop methods, data analysis and building reports.



HP Gas Chromatograph/Mass selective Detector

GC/MSD 6890/5973, capillary GC equipped with 7673 auto sampler, Low resolution, Electron ionization (EI), full-scan mode and selected ion monitoring mode (SIM) with quadrupole analyser, mass range 1.6 - 800 amu, operates PC (Windows) based data system (HP CHEMSTATION software).



Agilent Gas Chromatograph with micro ECD/FID

Detectors, model Agilent 7890A - Capillary GC with auto sampler model 7683B, High sensitivity and low detection limits due to 10 times smaller detector zone volume. Highly efficient for electronegative compounds. The instrument operates by Agilent CHEMSTATION data analysis software.



GC/uECD /FID: model 6890 plus with 7683 auto

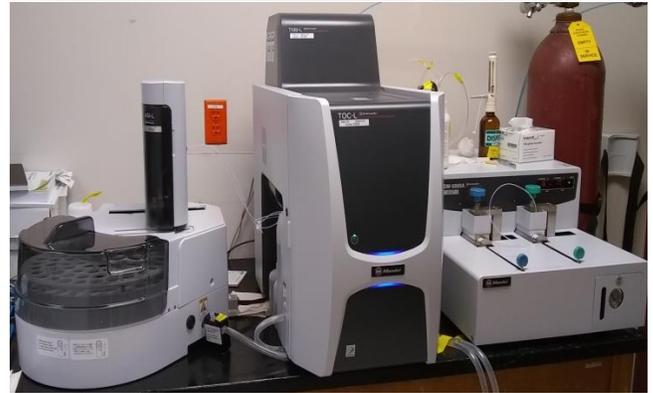
sampler is equipped with micro Electron Capture & Flame Ionization Detectors from Agilent. The operating software is PC (Windows) based Agilent CHEMSTATION data analysis software.



SMARTCHEM 170 Discrete Analyzer is an automated wet chemistry analyzer capable of performing analytical tests on up to 170 samples per hour. The analyzer determines nutrient concentrations in water and soil extracts using EPA approved methods. The Discrete analyzer is equipped with a cadmium module for nitrate analysis, fully automated and controlled by SMARTSTART software.



SHIMADZU Total Organic Carbon Analyzer High-Sensitivity Model (TOC-L) with ASI-L Autosampler effectively oxidize all types of organic molecules in an aqueous sample by combustion and catalytic oxidation followed by Non-Dispersive Infrared Detector (NDIR) detection.



SHIMADZU Total Nitrogen (TN) Module with TOC is capable of analyzing TOC and TN in a sample simultaneously.

SHIMADZU SSM-5000A is a Solid Sample capable of measuring TOC in solid samples.

HORIBA AQUALOG is a fully automated spectrofluorometer controlled by AQUALOG spectroscopy software. It provides simultaneous acquisition and measurements of fluorescence and absorbance from a sample such as Coloured Dissolved Organic Matter (CDOM), Chlorophyll and other tests.

