

MAJOR ANALYTICAL INSTRUMENTS / EQUIPMENT

Instruments	Make	Analyte Group
Gas Chromatograph (GC)-ECD/ECD/ FPD	Perkin Elmer	Organochlorine Pesticides (OCPs)
		Organophosphorus Pesticides (OPPs), Hexachloro-benzene
Gas Chromatograph (GC)-ECD/NPD/ NPD	Perkin Elmer	Organophosphorus Pesticides (OPPs)
		Organochlorine Pesticides (OCPs)
Gas Chromatograph (GC) -ECD/FPD	Shimadzu-I	Organo-chlorine Pesticides (OCPs)
		Organo-phosphorous Pesticides (OPPs)
		Trihalomethanes
Gas Chromatograph (GC)-ECD/FPD	Shimadzu-II	Organo-chlorine Pesticides (OCPs)
		Organo-phosphorous Pesticides (OPPs)
		Hexachloro-benzene, Trihalomethane
		Herbicides
Gas Chromatograph Low Resolution Mass Spectrophotometer (GCLRMS) / ECD-FPD Purge & Trap System	Agilent Teledyne Tekmar	Volatile Organic Compounds
Gas Chromatograph Low Resolution Mass Spectrophotometer (GCLRMS) / ECD-FPD System	Perkin Elmer-I	Organo-chlorine Pesticides (OCPs)
		Organo-phosphorous Pesticides (OPPs)
		Persistent Organic Pollutants
Gas Chromatograph Low Resolution Mass Spectrophotometer (GCLRMS) / ECD-FPD System.	Perkin Elmer-II	Organo-chlorine Pesticides (OCPs)
		Organo-phosphorous Pesticides (OPPs)
		Persistent Organic Pollutants
High Resolution Gas Chromatograph – High Resolution Mass Spectrophotometer (HRGC-HRMS)	JEOL JMS 800D	Polychlorinated Dibenzo-Dioxin
		Polychlorinated Dibenzo-Furan
		Dioxin like PCBs
High Pressure Liquid Chromatograph (HPLC) with RID, FLD, DAD & IC Detectors	Agilent	Poly Aromatic Hydrocarbons (PAHs),
		Phenolic Compounds
High Pressure Liquid Chromatograph (HPLC) with DAD detector	Shimadzu	Poly Aromatic Hydrocarbons (PAHs)
		Phenolic Compounds
Liquid Chromatograph –Mass Spectrometer-Mass Spectrometer (LC-MS-MS Tandem Mass spectrometer)	Waters	Pharmaceuticals & personal care products
		Poly Aromatic Hydrocarbons (PAHs)
		Phenolic Compounds
Accelerated Solvent Extraction System (ASE)	Dionex	Soil sample extraction for organic analysis
Rotary Evaporators	Buchi	Concentration of organic sample extract
	Eyela	Concentration of organic sample extract
Turbo Vap-II, Turbo Vap LV & Mini Vap	Caliper / Sigma Aldrich	Concentration of organic sample extract
Isokinetic Stack Monitoring Kit with VOST	Westech	Source emission dioxin / furan sampling
PUF Samplers	Tisch / Westech	Ambient Dioxin / Furan monitoring
PM _{2.5} and PM ₁₀ PUF Samplers	Westech	Ambient Dioxin / Furan monitoring
Precision Ultra Micro Balance	Mettler AT201	Ultra micro weighing
Separatory Funnel Shaker	Yamato	Organic sample extraction