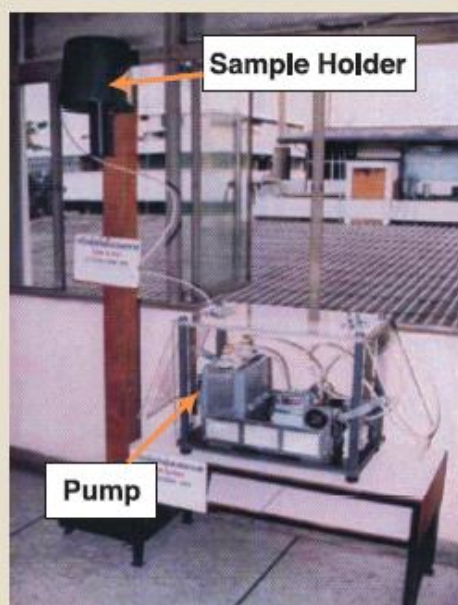


Research Reactor Utilization

Neutron Activation Analysis for Monitoring Airborne Particles

- Development of Efficient Analytical System for Airborne Particulates in Environment
- K_0 Method (computer software) Application for Element Analysis

Sampling at Bangkok



Map of Sampling Sites



Concentrations of Particle Matter and Elements

Country	Site	PM10※ ($\mu\text{g}/\text{m}^3$)	Elements in Particulate (ng/m^3)					
			Na	Al	V	Br	As	Sb
			sea salt	soil	oil		waste burning	
Indonesia	Bandung	37	380	640	2.1	85.0	—	2.3
	Lembang	9	110	120	1.0	69.0	—	0.7
Japan	Hachioji	31	370	450	2.8	5.7	1.1	3.5
	Sakata	28	1300	650	2.3	5.7	1.6	0.9
Korea	Daejeon	46	630	1300	4.1	43.0	5.3	42.0
	KAERI	25	320	690	2.2	46.0	5.3	16.0
Malaysia	Kuala Lumpur	50	1500	5100	28.0	21.0	3.7	2.8
The Philippines	Poveda	35	640	340	14.0	5.4	5.2	2.8
	Univ. of Santo Tomas	30	360	200	9.3	6.0	1.2	4.1
Thailand	Bangkok	65	740	640	3.4	5.9	3.2	4.6

※PM10 : Airborne Particle Matter 10 μm or less in diameter

Criterion for PM10 in Japan is 100 $\mu\text{g}/\text{m}^3$

Highest

2nd

3rd