

SUPPLEMENTARY MATERIALS

Table S1. Chemical profiles of PM_{2.5} sources used the CMB receptor model.

NO.	Source codes	Source composition
SCT004	PBPRI1	Petroleum cracking plant
SCT005	PBPRI2	petrochemical industry (Fuel heater)
SCT006	PBPRI3	petrochemical industry (Burner)
SCT007	PP004	Industrial boilers (Oil)
SCT008	PP005	Industrial boilers (Coal)
SCT009	PETRO1	Petroleum industry
SCT010	STEEL1	Steel industry
SCT011	STEEL2	Coke plants
SCT012	STEEL3	Sinter plants
SCT013	STEEL4	Electric arc furnaces
SCT020	CEMENT	Cement industry
SCT022	VEHICLE1	Vehicle emissions
SCT023	VEHICLE2	Vehicular exhausts
SCT024	VEHICLE3	Diesel exhausts
SCT025	DUST1	Paved road dust in South Taiwan
SCT026	DUST2	Paved road dust in Central Taiwan
SCT027	DUST3	Paved road dust in South Taiwan
SCT028	DUST4	Paved road dust in Central Taiwan
SCT029	DUST5	Unpaved road dust in Central Taiwan
SCT030	SOIL1	Soil dust
SCT033	MARIN1	Marin in Central Taiwan
SCT034	MARIN2	Marin in South Taiwan
SCT035	VB001	Biomass burning
SCT036	SO4	Secondary sulfate
SCT037	NO2	Secondary nitrate