Supplementary Material

An Initial Survey of Targeted Anticancer Drug Residues in Municipal Wastewater of Bangkok, Thailand

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Table S1. The physicochemical properties of the targeted compounds.

	Cyclophosphamide	Doxorubicin	Vincristine
Formula	$C_7H_{15}Cl_2N_2O_2P$	$C_{27}H_{29}NO_{11}$	$C_{46}H_{56}N_4O_{10}$
Molecular weight	261.09	543.52	825.0
Solubility	0.1-0.5 g/L	10 g/L	100-1000 g/L
Partition coefficient (Log K_{ow})	0.63	1.27	2.82
Acid dissociation constant (pKa)	5.7	8.2	5
Vapor pressure (25°C)	4.44 x 10^{-5} mm Hg	2.5x10^{-23} mm Hg	-

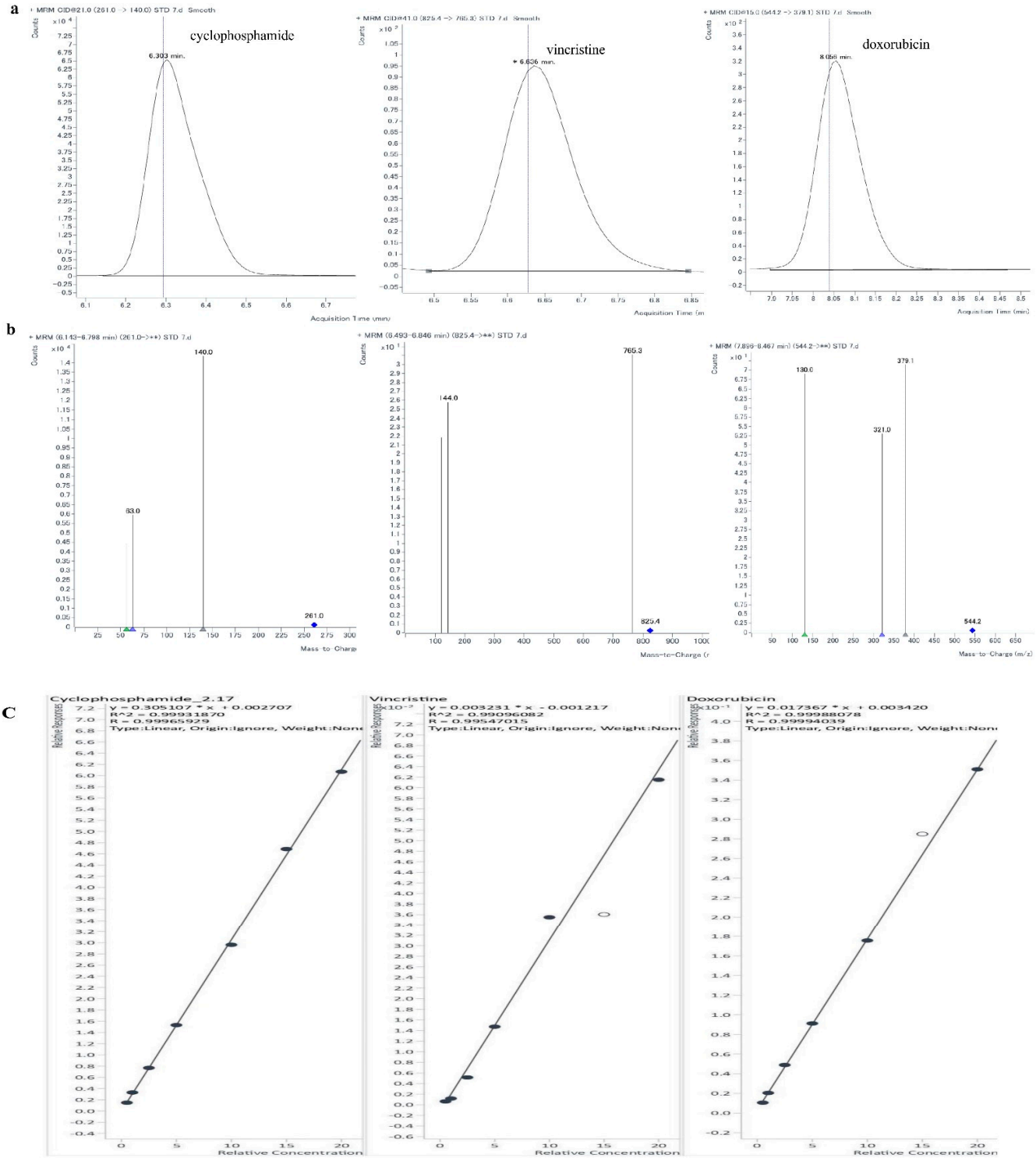


Figure S1. Chromatograms (a), MS peak spectra (b) and calibration curves (c) for cyclophosphamide, vincristine, and doxorubicin