

**Table 1:** Average pressurized liquid extraction semivolatile organic compound recoveries (%relative standard deviation) from quartz fiber filter (QFF), polyurethane foam (PUF), and polystyrene divinyl benzene (XAD-2) ( $n=3$ ) using the parameters and solvents listed in Table 2.

	QFF	PUF	XAD-2		QFF	PUF	XAD-2
Amide Pesticides				Triazine Herbicides and Metabolites			
Alachlor	78.7 (5.8)	81.7 (8.5)	97.0 (2.1)	Atrazine desisopropyl	81.5 (15.6)	94.5 (7.8)	107.7 (3.4)
Acetochlor	68.3 (5.6)	42.7 (12.6)	87.9 (3.1)	Atrazine desethyl	78.9 (14.4)	93.3 (11.9)	102.7 (1.4)
Metolachlor	84.9 (7.4)	96.1 (3.8)	102.6 (1.9)	Atrazine	75.1 (6.6)	89.7 (5.2)	90.2 (1.0)
Organochlorines Pesticides and Metabolites				Simazine	78.9 (8.4)	86.5 (6.4)	102.7 (1.3)
HCH, gamma	76.3 (1.2)	64.7 (1.3)	94.5 (1.1)	Miscellaneous Pesticides			
HCH, alpha	74.9 (2.3)	60.2 (2.2)	92.2 (0.4)	Metribuzin	97.3 (4.6)	111.6 (4.8)	90.8 (7.0)
HCH, beta	83.1 (1.0)	82.0 (1.9)	89.9 (1.0)	Etridiazole	79.7 (3.6)	117.5 (7.6)	116.5 (0.7)
Heptachlor	77.8 (3.8)	77.6 (3.6)	111.6 (2.6)	Dacthal	93.7 (1.7)	105.5 (2.5)	95.4 (3.7)
Heptachlor epox	72.7 (4.6)	67.2 (1.2)	122.4 (1.3)	Trifluralin	79.5 (0.8)	80.0 (16.2)	82.6 (4.5)
Endrin	58.9 (6.7)	107.8 (4.3)	107.3 (2.2)	Hexachlorobenzene	78.7 (2.4)	81.5 (2.4)	93.3 (1.0)
Endrin aldehyde	59.7 (15.4)	44.1 (14.7)	92.9 (1.4)	Polycyclic Aromatic Hydrocarbons			
Chlordane, trans	70.6 (6.2)	49.9 (0.8)	104.1 (1.1)	Acenaphthene	77.1 (4.2)	77.3 (2.2)	81.2 (4.4)
Chlordane, cis	69.7 (8.4)	43.9 (1.0)	82.6 (3.7)	Fluorene	82.9 (2.4)	78.7 (2.2)	92.1 (2.2)
Nonachlor, trans	69.3 (6.6)	48.3 (1.2)	99.3 (1.6)	Phenanthrene	81.9 (2.5)	83.0 (3.6)	99.4 (2.2)
Nonachlor, cis	57.1 (5.7)	58.5 (1.8)	93.9 (2.5)	Pyrene	77.7 (3.2)	83.3 (3.9)	89.4 (2.7)
Chlordane, oxy	70.6 (3.3)	61.1 (1.3)	118.2 (1.4)	Fluoranthene	79.3 (3.9)	82.5 (3.7)	92.2 (3.0)
Aldrin	66.5 (2.9)	65.5 (3.3)	99.2 (1.3)	Chrysene + Triphenylene	75.3 (7.1)	86.0 (3.7)	87.5 (1.9)
o,p'-DDT	77.8 (6.8)	80.6 (3.3)	94.4 (1.5)	Retene	80.5 (4.4)	93.7 (3.2)	114.2 (3.0)
o,p'-DDD	84.3 (6.1)	87.9 (4.2)	94.9 (1.7)	Benzo(k)fluoranthene	81.9 (9.8)	84.3 (4.2)	79.6 (2.4)
o,p'-DDE	73.2 (5.8)	83.9 (3.6)	104.2 (7.7)	Benzo(b)fluoranthene	83.4 (9.7)	83.3 (4.5)	99.2 (0.7)
p,p'-DDT	92.5 (10.7)	87.4 (2.1)	89.8 (0.4)	Benzo(e)pyrene	84.0 (10.1)	84.7 (4.8)	101.8 (3.6)
p,p'-DDD	84.3 (6.2)	95.7 (5.3)	106.3 (3.2)	Indeno(1,2,3-cd)pyrene	69.9 (8.9)	76.9 (4.0)	93.7 (1.4)
p,p'-DDE	79.0 (3.7)	87.5 (3.2)	91.0 (1.8)	Dibenz(a,h)anthracene	73.3 (9.2)	81.9 (3.4)	89.9 (2.4)
Mirex	60.4 (2.6)	76.4 (0.4)	86.5 (2.5)	Benzo(ghi)perylene	77.4 (8.9)	82.0 (4.3)	88.9 (2.5)
Organochlorine Sulfide Pesticides				Polychlorinated Biphenyls			
Endosulfan I	73.3 (9.2)	60.4 (0.5)	102.0 (1.1)	PCB 74	79.5 (1.4)	96.9 (8.1)	93.5 (0.6)
Endosulfan II	73.9 (7.9)	80.1 (3.0)	97.8 (2.3)	PCB 101	82.1 (2.2)	90.4 (7.8)	88.7 (3.1)
Phosphorothioate Pesticides				PCB 118	95.9 (5.0)	90.7 (8.4)	70.9 (4.6)
Methyl parathion	73.6 (8.1)	75.8 (2.3)	80.7 (1.4)	PCB 153	73.3 (2.4)	97.8 (8.7)	103.9 (1.6)
Malathion	69.2 (12.7)	92.3 (5.4)	74.0 (5.8)	PCB 138	78.8 (3.2)	103.4 (8.7)	95.2 (6.2)
Diazinon	79.6 (7.1)	81.0 (1.5)	81.2 (2.2)	PCB 187	76.8 (1.7)	88.6 (8.9)	91.0 (1.5)
Parathion	77.1 (8.4)	75.9 (8.4)	77.1 (3.4)	PCB 183	78.0 (1.5)	82.0 (9.2)	91.9 (1.6)
Ethion	97.6 (12.4)	113.9 (9.1)	100.4 (8.5)	Avg 76.7 (6.2) 79.3 (8.1) 93.4 (2.9)			
Chlorpyrifos	73.6 (8.9)	90.9 (2.8)	81.8 (2.6)				
Thiocarbamate Pesticides							
EPTC	79.9 (3.8)	81.4 (1.7)	83.8 (1.4)				
Pebulate	91.2 (2.5)	116.9 (3.5)	88.8 (1.3)				
Triallate	82.7 (5.5)	123.1 (4.2)	91.9 (2.2)				

**Table 2:** Accelerated solvent extractor (ASE®) 300 (Dionex, Sunnyvale, CA, USA) parameters and solvents used to clean polystyrene divinyl benzene (XAD-2) and polyurethane foam (PUF). Quartz fiber filters (QFFs) were cleaned by baking at 350°C for 12 h. ASE® parameters and solvents used for the extraction of semivolatile organic compounds from XAD-2, PUF, and QFF are also given. Solvents included hexane (Hex) and acetone (Ace). The multiple solvents used for the extraction of the QFF, in addition to the cleaning of the XAD-2 and PUF, were sequential extractions. The ASE® parameters: Temp (extraction cell temperature), static hold time for extraction (Static), solvent flush percent of cell volume (Flush%), static cycle (Cycles), and a N<sub>2</sub> purge time (Purge). Not applicable (NA).

Media	Solvent	Number of Extractions	Cycles	Temp., °C	Static, min.	Flush%	Purge, sec.
<b>Cleaning</b>							
XAD-2	100% Ace	1	5	75	5	100	240
	25:75 Hex:Ace	1	5	75	5	100	240
	50:50 Hex:Ace	3	3	75	5	100	240
PUF	100% Ace	1	1	100	5	100	240
	75:25 Hex:Ace	1	1	100	5	100	240
	90:10 Hex:Ace	1	1	100	5	100	240
QFF	NA	NA	NA	NA	NA	NA	NA
<b>Extraction</b>							
XAD-2	50:50 Hex:Ace	1	3	75	5	100	240
PUF	75:25 Hex:Ace	1	2	100	5	100	240
QFF	50:50 Hex:Ace	1	3	100	5	100	240
	100% Hex	1	3	100	5	100	240