



## Endocrine Disruptor Chemicals (EDC)/Pharmaceutical & Personal Care Products (PPCP)

	Chemical Compound	Use	Instrumental Method	Analytical Method	Reporting Limit	Units	Sample Requirements
<b>Group 1 - EDC/PPCP</b>	17-alpha-estradiol	Estrogen	LC/MS/MS	EPA Method 1694M	1	ng/L	<b>Container:</b> 1L Amber Glass  <b>Preservation:</b> pH<2 w/H <sub>2</sub> SO <sub>4</sub> ; cool to 4°C±2°C; Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> if residual chlorine present  <b>Holding Time:</b> 7 days to extraction
	17-alpha-ethynylestradiol	Synthetic Ovulation Inhibitor	LC/MS/MS	EPA Method 1694M	2	ng/L	
	17-beta-estradiol	Estrogen	LC/MS/MS	EPA Method 1694M	2	ng/L	
	Bisphenol A	Industrial Chemical	LC/MS/MS	EPA Method 1694M	10	ng/L	
	Diethylstilbestrol	Synthetic Estrogen	LC/MS/MS	EPA Method 1694M	1	ng/L	
	Estriol	Estrogen	LC/MS/MS	EPA Method 1694M	1	ng/L	
	Estrone	Estrogen	LC/MS/MS	EPA Method 1694M	1	ng/L	
	Fluoxetine	Antidepressant	LC/MS/MS	EPA Method 1694M	1	ng/L	
	Acetaminophen	Analgesic	LC/MS/MS	EPA Method 1694M	10	ng/L	
	Androstenedione	Androgen	LC/MS/MS	EPA Method 1694M	10	ng/L	
	Atrazine	Herbicide	LC/MS/MS	EPA Method 1694M	1	ng/L	
	Caffeine	Stimulant	LC/MS/MS	EPA Method 1694M	5	ng/L	
	Carbamazepine	Anti-seizure	LC/MS/MS	EPA Method 1694M	1	ng/L	
	DEET	Insect Repellent	LC/MS/MS	EPA Method 1694M	5	ng/L	
	Diazepam	Muscle Relaxer	LC/MS/MS	EPA Method 1694M	1	ng/L	
	Hydrocodone	Analgesic	LC/MS/MS	EPA Method 1694M	1	ng/L	
	Meprobamate	Anti-anxiety	LC/MS/MS	EPA Method 1694M	5	ng/L	
	Oxybenzone	Sun Screen	LC/MS/MS	EPA Method 1694M	2	ng/L	
	Pentoxifyline	Improve Blood Flow	LC/MS/MS	EPA Method 1694M	1	ng/L	
	Progesterone	Ovulation Inhibitor/Estrogen	LC/MS/MS	EPA Method 1694M	10	ng/L	
Sulfamethoxazole	Antibiotic	LC/MS/MS	EPA Method 1694M	1	ng/L		
Testosterone	Androgen	LC/MS/MS	EPA Method 1694M	10	ng/L		
Trimethoprim	Antibiotic	LC/MS/MS	EPA Method 1694M	1	ng/L		
Methadone	Opiate	LC/MS/MS	EPA Method 1694M	5	ng/L		

<b>Group 2 - EDC/PPCP</b>	Diclofenac	Anti-arthritis	LC/MS/MS	EPA Method 1694M	2	ng/L	<b>Container:</b> 1L Amber Glass  <b>Preservation:</b> pH<2 w/H <sub>2</sub> SO <sub>4</sub> ; cool to 4°C±2°C; Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> if residual chlorine present  <b>Holding Time:</b> 7 days to extraction
	Dilantin	Anticonvulsant	LC/MS/MS	EPA Method 1694M	1	ng/L	
	Gemfibrozil	Lipid Regulator	LC/MS/MS	EPA Method 1694M	1	ng/L	
	Ibuprofen	Anti-inflammatory	LC/MS/MS	EPA Method 1694M	10	ng/L	
	Naproxen	Anti-inflammatory	LC/MS/MS	EPA Method 1694M	1	ng/L	
	Iopromide	Contrast Enhancer	LC/MS/MS	EPA Method 1694M	1	ng/L	
	Triclosan	Antimicrobial	LC/MS/MS	EPA Method 1694M	10	ng/L	
	Salicylic Acid	Skin Care	LC/MS/MS	EPA Method 1694M	10	ng/L	

Group 3 - Perfluorinated Compounds	Perfluoropentanoic Acid (PFHeA)	Fluoropolymer Precursor	LC/MS/MS	SOC-PFC	1	ng/L	<b>Container:</b> 1L Polycarbonate <b>Preservation:</b> Cool to 4°C±2°C <b>Volume:</b> 1L <b>Holding Time:</b> 7 days to extraction
	Perfluorohexanoic Acid (PFHxA)	Fluoropolymer Precursor	LC/MS/MS	SOC-PFC	0.5	ng/L	
	Perfluoroheptanoic Acid (PFHpA)	Fluoropolymer Precursor	LC/MS/MS	SOC-PFC	1	ng/L	
	Perfluorooctanoic Acid (PFOA)	Fluoropolymer Precursor	LC/MS/MS	SOC-PFC	0.5	ng/L	
	Perfluorononanoic Acid (PFNA)	Fluoropolymer Precursor	LC/MS/MS	SOC-PFC	1	ng/L	
	Perfluorodecanoic Acid (PFDA)	Fluoropolymer Precursor	LC/MS/MS	SOC-PFC	1	ng/L	
	Perfluoroundecanoic Acid (PFUnA)	Fluoropolymer Precursor	LC/MS/MS	SOC-PFC	1	ng/L	
	Perfluorododecanoic Acid (PFDoA)	Fluoropolymer Precursor	LC/MS/MS	SOC-PFC	1	ng/L	
	Perfluorobutane Sulfonate (PFBS)	Fluoropolymer Precursor	LC/MS/MS	SOC-PFC	0.5	ng/L	
	Perfluorohexane Sulfonate (PFHxS)	Fluoropolymer Precursor	LC/MS/MS	SOC-PFC	1	ng/L	
Perfluorooctane Sulfonate (PFOS)	Fluoropolymer Precursor	LC/MS/MS	SOC-PFC	1	ng/L		

Group 4 - Polybrominated Diphenyl Ethers (PBDE)	PBDE-17	Flame Retardant	GC/MS/SIM	EPA Method 8270C	1.0	ng/L	<b>Container:</b> 1L Amber Glass <b>Preservation:</b> Cool to 4°C±2°C <b>Volume:</b> 1L <b>Holding Time:</b> 7 days to extraction
	PBDE-28	Flame Retardant	GC/MS/SIM	EPA Method 8270C	1.0	ng/L	
	PBDE-47	Flame Retardant	GC/MS/SIM	EPA Method 8270C	2.0	ng/L	
	PBDE-66	Flame Retardant	GC/MS/SIM	EPA Method 8270C	1.0	ng/L	
	PBDE-71	Flame Retardant	GC/MS/SIM	EPA Method 8270C	1.0	ng/L	
	PBDE-85	Flame Retardant	GC/MS/SIM	EPA Method 8270C	1.0	ng/L	
	PBDE-99	Flame Retardant	GC/MS/SIM	EPA Method 8270C	2.0	ng/L	
	PBDE-100	Flame Retardant	GC/MS/SIM	EPA Method 8270C	1.0	ng/L	
	PBDE-128	Flame Retardant	GC/MS/SIM	EPA Method 8270C	1.0	ng/L	
	PBDE-138	Flame Retardant	GC/MS/SIM	EPA Method 8270C	1.0	ng/L	
	PBDE-153	Flame Retardant	GC/MS/SIM	EPA Method 8270C	1.0	ng/L	
	PBDE-154	Flame Retardant	GC/MS/SIM	EPA Method 8270C	1.0	ng/L	
	PBDE-183	Flame Retardant	GC/MS/SIM	EPA Method 8270C	1.0	ng/L	
	PBDE-190	Flame Retardant	GC/MS/SIM	EPA Method 8270C	1.0	ng/L	
	PBDE-203	Flame Retardant	GC/MS/SIM	EPA Method 8270C	1.0	ng/L	
	PBDE-206	Flame Retardant	GC/MS/SIM	EPA Method 8270C	100	ng/L	
PBDE-209	Flame Retardant	GC/MS/SIM	EPA Method 8270C	100	ng/L		

Group 5 - Alkylphenols	Total Nonylphenols	Alkylphenols	GC/MS/SIM	ASTM-D7065-06M	2	ug/L	<b>Container:</b> 1L Amber Glass <b>Preservation:</b> H <sub>2</sub> SO <sub>4</sub> , cool to 4°C±2°C <b>Volume:</b> 1L <b>Holding Time:</b> 28 days to extraction
	Total Nonylphenol Monoethoxylates	Alkylphenols	GC/MS/SIM	ASTM-D7065-06M	4	ug/L	
	Total Nonylphenol Diethoxylates	Alkylphenols	GC/MS/SIM	ASTM-D7065-06M	8	ug/L	
	4-tert-Octylphenol	Alkylphenols	GC/MS/SIM	ASTM-D7065-06M	2	ug/L	
	Bisphenol A	Alkylphenols	GC/MS/SIM	ASTM-D7065-06M	2	ug/L	