

EPA Drinking Water Test Methods

EPA Method	Application	Recommended Teknokroma Capillary Column		Part Number
501.3	Trihalomethanes by GC/MS and SIM	TRB-624	30m x 0.53mm x 3.0 µm	TR-603035
		TRB-624	75m x 0.53mm x 3.0 µm	TR-603075
		TRB-624	105m x 0.53mm x 3.0 µm	TR-6030K5
		TRB-624	30m x 0.25mm x 1.0 µm	TR-601032
502.2	Volatile halogenated Organics in Water by Purge & Trap GC/PID/ELCD	TRB-624	30m x 0.25mm x 3.0 µm	TR-603035
503.1	Volatile Aromatics & Unsaturated Organics by Purge & Trap GC	TRB-624	30m x 0.53mm x 3.0 µm	TR-603035
		TRB-624	30m x 0.25mm x 1.4 µm	TR-601432
504.1	1,2-Dibromoethane (EDB), 1,2-Dibromo-3-chloropropane (DBCP), and 1,2,3-Trichloropropane (123TCP) by GC/MS	TRB-1	30m x 0.32mm x 0.25 µm	TR-110233
		TRB-624	30m x 0.32mm x 3.0 µm	TR-603035
		TRB-624	30m x 0.25mm x 1.4 µm	TR-601432
505	Organohalide Pesticides & Aroclors by GC/ECD	TRB-1	30m x 0.32mm x 1.0 µm	TR-111033
		TRB-50	30m x 0.32mm x 0.5 µm	TR-500533
		TRB-50	30m x 0.25mm x 0.25 µm	TR-500232
507	Nitrogen & Phosphorous containing Pesticides in Water by GC/NPD	TRB-5	30m x 0.25mm x 0.25 µm	TR-120232
		TRB-5ms	30m x 0.25mm x 0.25 µm	TR-520232
		TRB-1701	30m x 0.25mm x 0.25 µm	TR-130232
508	Chlorinated Pesticides in Water by GC/MS	TRB-5	30m x 0.25mm x 0.25 µm	TR-120232
		TRB-5ms	30m x 0.25mm x 0.25 µm	TR-520232
		TRB-1701	30m x 0.25mm x 0.25 µm	TR-130232
513	2,3,7,8-Tetrachlorodibenzo-p-dioxin by GC/MS	TRB-5ms	60m x 0.25mm x 0.10 µm	TR-520162
515.2	Determination of chlorinated acids in water using liquid-solid extraction & GC/ECD	TRB-1	30m x 0.32mm x 0.25 µm	TR-110233
		TRB-5	30m x 0.32mm x 0.25 µm	TR-120233
		TRB-1701	30m x 0.32mm x 0.25 µm	TR-130233
		TRB-5ms	30m x 0.32mm x 0.25 µm	TR-520233
524.2	Measurement of purgeable organic compounds in water by Purge & Trap capillary column GC/MS	TRB-624	30m x 0.25mm x 1.4 µm	TR-601432
		TRB-624	30m x 0.53mm x 3.0 µm	TR-603035
		TRB-624	75m x 0.53mm x 3.0 µm	TR-603075
		TRB-624	60m x 0.32mm x 1.8 µm	TR-601863
525	Organic compounds in drinking water by liquid-solid extraction and capillary column GC/MS	TRB-5	30m x 0.32mm x 0.25 µm	TR-120233
		TRB-5ms	30m x 0.25mm x 0.25 µm	TR-520232

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8010	Halogenated volatile organics	TRB-624	75m x 0.53mm x 3.0 µm	TR-603075
		TRB-624	30m x 0.25mm x 1.4 µm	TR-601432
8015	Non- Halogenated volatile organics	TRB-624	30m x 0.53mm x 3.0 µm	TR-603035
		TRB-624	30m x 0.25mm x 1.4 µm	TR-601432
8020/8021	Aromatic volatile organic	TRB-624	30m x 0.53mm x 3.0 µm	TR-603035
		TRB-624	30m x 0.25mm x 1.4 µm	TR-601432
8030/8031	Acrolein, acrylonitrile, acetonitrile	TRB-624	30m x 0.53mm x 3.0 µm	TR-603035
		TRB-624	30m x 0.25mm x 1.4 µm	TR-601432
8040/8041	Phenols	TRB-5	30m x 0.53mm x 1.5 µm	TR-121535
		TRB-5ms	30m x 0.25mm x 0.25 µm	TR-520232
8060/8061	Phthalate esters	TRB-1	15m x 0.53mm x 1.5 µm	TR-111515
		TRB-1ms	30m x 0.25mm x 0.4 µm	TR-510432
8080	Organochlorine pesticides and PCBs	TRB-5	30m x 0.53mm x 1.5 µm	TR-121535
		TRB-5ms	30m x 0.25mm x 0.5 µm	TR-520532
8081/8082	Organochlorine pesticides and PCBs as Arochlor	TRB-5	30m x 0.53mm x 1.5 µm	TR-121535
		TRB-1701	30m x 0.53mm x 1.0 µm	TR-131035
8090/8091	Nitroaromatics and cyclic ketones	TRB-5	30m x 0.53mm x 1.5 µm	TR-121535
		TRB-5ms	30m x 0.25mm x 0.5 µm	TR-520532
8100	Polynuclear aromatic hydrocarbons	TRB-5	30m x 0.32mm x 0.25 µm	TR-120233
		TRB-5ms	30m x 0.32mm x 0.25 µm	TR-520233
8120/8121	Chlorinated hydrocarbons	TRB-1	30m x 0.32mm x 1.0 µm	TR-111033
		TRB-1ms	30m x 0.32mm x 1.0 µm	TR-511033
8140	Organophosphorus pesticides	TRB-1	30m x 0.32mm x 1.5 µm	TR-111535
		TRB-1701	30m x 0.53mm x 1.0 µm	TR-131035
		TRB-1	30m x 0.25mm x 0.25 µm	TR-110232
8141	Organophosphorus pesticides	TRB-5	15m x 0.53mm x 1.5 µm	TR-121515
		TRB-5ms	15m x 0.25mm x 0.25 µm	TR-520212
8150/8151	Chlorinated herbicides	TRB-5	25m x 0.53mm x 1.0 µm	TR-121025
		TRB-1701	30m x 0.53mm x 1.0 µm	TR-131035
		TRB-5ms	15m x 0.25mm x 0.25 µm	TR-520232
8240	GC/MS for volatile organics	TRB-624	30m x 0.53mm x 3.0 µm	TR-603035
		TRB-624	75m x 0.53mm x 3.0 µm	TR-603075
		TRB-624	105m x 0.53mm x 3.0 µm	TR-6030K5
		TRB-624	30m x 0.25mm x 1.0 µm	TR-601032
8250	GC/MS for semi-volatile organics	TRB-5ms	30m x 0.25mm x 0.50mm	TR-520532

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8260	GC/MS method for volatile organics capillary techniques	TRB-624	30m x 0.53mm x 3.0 µm	TR-603035
		TRB-624	75m x 0.53mm x 3.0 µm	TR-603075
		TRB-624	105m x 0.53mm x 3.0 µm	TR-6030K5
		TRB-624	30m x 0.25mm x 1.0 µm	TR-601032
8270	GC/MS method for semi-volatile organics capillary techniques	TRB-5	30m x 0.25mm x 1.0 µm	TR-121032
		TRB-5ms	30m x 0.25mm x 1.0 µm	TR-521032
8280	Analysis of polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans	TRB-5	30m x 0.25mm x 0.25 µm	TR-120232
		TRB-5ms	60m x 0.25mm x 0.25 µm	TR-520162

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601	Purgeable halocarbons	TRB-624	30m x 0.53mm x 3.0 µm	TR-603035
		TRB-624	75m x 0.53mm x 3.0 µm	TR-603075
		TRB-624	105m x 0.53mm x 3.0 µm	TR-6030K5
		TRB-624	30m x 0.25mm x 1.0 µm	TR-601032
602	Purgeable aromatics	TRB-624	30m x 0.53mm x 3.0 µm	TR-603035
		TRB-624	105m x 0.53mm x 3.0 µm	TR-6030K5
		TRB-624	30m x 0.25mm x 1.0 µm	TR-601032
603	Acrolein and acrylonitrile	TRB-624	30m x 0.53mm x 3.0 µm	TR-603035
		TRB-624	30m x 0.25mm x 1.0 µm	TR-601032
604/605	Phenols and benzidines	TRB-5ms	30m x 0.53mm x 1.4 µm	TR-521435
		TRB-5ms	30m x 0.25mm x 0.25 µm	TR-520232
606	Phthalate esters	TRB-5	15m x 0.53mm x 1.5 µm	TR-121515
		TRB-5ms	30m x 0.25mm x 0.25 µm	TR-520232
		TRB-5	15m x 0.53mm x 1.5 µm	TR-121515
		TRB-5ms	30m x 0.25mm x 0.25 µm	TR-520232
607	Nitrosamines	TRB-5	30m x 0.53mm x 1.5 µm	TR-121535
		TRB-5ms	30m x 0.25mm x 0.50 µm	TR-520532
608	Organochlorine pesticides and PCBs	TRB-5	50m x 0.53mm x 1.0 µm	TR-121055
		TRB-5ms	50m x 0.25mm x 0.12 µm	TR-520752
609	Nitroaromatics and isophorone	TRB-5	30m x 0.53mm x 1.5 µm	TR-121535
		TRB-5ms	30m x 0.25mm x 0.5 µm	TR-520532

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610	Polycyclic Aromatic Hydrocarbons	TRB-5	30m x 0.32mm x 0.25 µm	TR-120233
		TRB-5ms	30m x 0.32mm x 0.10 µm	TR-520133
611	Haloethers	TRB-5	15m x 0.53mm x 1.5 mm	TR-121515
		TRB-5ms	30m x 0.25mm x 0.50 mm	TR-520532
612	Chlorinated hydrocarbons	TRB-5	30m x 0.32mm x 1.0 mm	TR-121033
		TRB-5ms	30m x 0.25mm x 1.0 mm	TR-521032
613	2,3,7,8-tetrachlorodibenzo-p-dioxin	TRB-5ms	60m x 0.25mm x 0.10 mm	TR-520162
615	Chlorinated herbicides	TRB-1701	30m x 0.53mm x 1.0 mm	TR-131035
		TRB-1701	30m x 0.25mm x 0.25 mm	TR-130232
619	Triazine herbicides	TRB-50	30m x 0.53mm x 1.0 mm	TR-501035
		TRB-50	30m x 0.25mm x 0.50 mm	TR-500532
624	Purgeables	TRB-624	30m x 0.53mm x 3.0 mm	TR-603035
		TRB-624	75m x 0.53mm x 3.0 mm	TR-603075
		TRB-624	105m x 0.53mm x 3.0 mm	TR-6030K5
		TRB-624	30m x 0.25mm x 1.4 mm	TR-601432
625	Base/neutrals and acids	TRB-5ms	30m x 0.32mm x 0.25 mm	TR-520233
		TRB-1ms	30m x 0.25mm x 0.25 mm	TR-510232
680	Pesticides and PCBs in water and soil/sediment	TRB-5	30m x 0.32mm x 0.25 mm	TR-120233
		TRB-5ms	30m x 0.32mm x 0.25 mm	TR-520233
1624	Volatile organic compounds by isotope dilution GC/MS	TRB-624	30m x 0.53mm x 3.0 mm	TR-603035
		TRB-624	30m x 0.25mm x 1.4 mm	TR-601432
1625	Semivolatile organic compounds by isotope dilution	TRB-5	30m x 0.25mm x 0.25 mm	TR-120232
		TRB-5ms	30m x 0.25mm x 0.25 mm	TR-520232
1653	Chlorinated phenols in waste water by in-situ MS acylation and GC low bleed/MS	TRB-5	30m x 0.32mm x 0.25 mm	TR-120233
		TRB-5ms	30m x 0.32mm x 0.25 mm	TR-520233