

Within NIOSH methodology you have the possibility to use high resolution capillary columns to do your analysis: Below you will find a list of recommended capillary columns for each NIOSH method. The recommended column is the best possible recommendation for the particular NIOSH method

Recommended Columns for NIOSH regulatory methods

Niosh method	Application	Recommended capillary columns	df	Part No.
1000	Allyl chloride	30 m x 0.25 mm CP-Sil 5 CB	df = 1.0 µm	CP8770
1001	Methyl chloride	30 m x 0.25 mm CP-Sil 5 CB	df = 1.0 µm	CP8770
1002	Chloroprene	30 m x 0.25 mm CP-Sil 5 CB	df = 1.0 µm	CP8770
1003	Halogenated hydrocarbons	30 m x 0.25 mm CP-Sil 5 CB	df = 1.0 µm	CP8770
1004	sym dichloro ethylether	30 m x 0.25 mm CP-Sil 5 CB	df = 1.0 µm	CP8770
1005	Methylene chloride	30 m x 0.25 mm CP-Sil 5 CB	df = 1.0 µm	CP8770
1006	Trichlorofluoromethane	30 m x 0.25 mm CP-Sil 5 CB	df = 1.0 µm	CP8770
1007	Vinylchloride	30 m x 0.25 mm CP-Sil 5 CB	df = 1.0 µm	CP8770
1008	Ethylenedibromide	30 m x 0.25 mm CP-Sil 5 CB	df = 1.0 µm	CP8770
1009	Vinyl bromide	30 m x 0.25 mm CP-Sil 5 CB	df = 1.0 µm	CP8770
1010	Epichlorohydrin	15 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8553
1011	Ethylbromide	30 m x 0.25 mm CP-Sil 5 CB	df = 1.0 µm	CP8770
1012	Dibromodifluoromethane	30 m x 0.25 mm CP-Sil 5 CB	df = 1.0 µm	CP8770
1013	1,2-dichloropropane	30 m x 0.25 mm CP-Sil 5 CB	df = 1.0 µm	CP8770
1014	Methyl iodide	30 m x 0.25 mm CP-Sil 5 CB	df = 1.0 µm	CP8770
1015	Vinilidene chloride	30 m x 0.25 mm CP-Sil 5 CB	df = 1.0 µm	CP8770
1016	1,1,1,2-tetrachloro-2,2-difluoroethane and 1,1,2,2-tetrachloro-1,2-difluoroethane	30 m x 0.25 mm CP-Sil 5 CB	df = 1.0 µm	CP8770
1017	Bromotrifluoromethane	30 m x 0.25 mm CP-Sil 5 CB	df = 1.0 µm	CP8770
1018	Dichlorodifluoromethane and 1,2-Dichlorotetrafluoroethane	30 m x 0.25 mm CP-Sil 5 CB	df = 1.0 µm	CP8770
1019	1,1,2,2-tetrachloroethane	30 m x 0.25 mm CP-Sil 5 CB	df = 1.0 µm	CP8770
1020	1,1,2-trichloro-1,2,2-trifluoroethane	30 m x 0.25 mm CP-Sil 5 CB	df = 1.0 µm	CP8770
1022	trichloroethylene	30 m x 0.25 mm CP-Sil 5 CB	df = 1.0 µm	CP8770
1024	Butadiene 1,3	50 m x 0.53 mm CP-Al ₂ O ₃ /KCl	df = 10 µm	CP7518
1300	Ketones 1	30 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8763
1301	Ketones 2	30 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8763
1400	Alcohols 1	30 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8763
1401	Alcohols 2	30 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8763
1402	Alcohols 3	30 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8763
1403	Alcohols 4	15 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8553
1450	Esters	30 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8763

1500	Hydrocarbons	30 m x 0.25 mm VF-1ms	df = 0.25 µm	CP8912
1501	Hydrocarbons Aromatic	30 m x 0.25 mm VF-5ms	df = 0.25 µm	CP8944
1550	Naphthas	60 m x 0.25 mm VF-1ms	df = 0.25 µm	CP8916
1551	Terpentine	60 m x 0.25 mm VF-1ms	df = 0.25 µm	CP8916
1600	Carbondisulfide	25 m x 0.53 mm CP-PoraBOND Q	df = 10 µm	CP7354
1602	Dioxane	15 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8553
1603	Acetic acid	25 m x 0.25 mm CP-Wax (FFAP)CB	df = 0.2 µm	CP7717
1604	Acrylonitrile	15 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8553
1606	Acetonitrile	15 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8553
1608	Glycidol	15 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8553
1609	Tetrahydrofuran	15 m x 0.25 mm CP-Sil 5 CB	df = 0.25 µm	CP8510
1610	Ethylether	15 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8553
1611	Methylal	15 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8553
1612	propylene oxide	15 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8553
1613	Pyridine	15 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8553
1614	Ethylene oxide	15 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8553
1615	methyl tert-butyl ether	15 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8553
2000	methanol	15 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8553
2001	Cresols	50 m x 0.25 mm CP-Cresol	df = 0.2 µm	CP7526
2002	Amines aromatic	30 m x 0.25 mm CP-Sil 8 CB for amines	df = 0.5 µm	CP7595
2003	1,1,2,2-tetrabromomethane	30 m x 0.25 mm CP-Sil 5 CB	df = 1.0 µm	CP8770
2004	Dimethylacetamide and dimethylformamide	15 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8553
2005	Nitrobenzenes	15 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8553
2007	aminoethanol components	30 m x 0.25 mm CP-Sil 5 CB	df = 1.0 µm	CP8770
2010	amines, aliphatic	30 m x 0.25 mm CP-Sil 8 CB for amines	df = 0.5 µm	CP7595
2500	2-Butanone	15 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8553
2501	Acrolein	15 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8553
2503	Mevinphos	15 m x 0.25 mm VF-5ms	df = 0.25 µm	CP8939
2504	Tetraethyl pyrophosphate	15 m x 0.25 mm VF-1ms	df = 0.25 µm	CP8907
2505	Furfuryl alcohol	15 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8553
2506	Acetone cyanohydrin	15 m x 0.25 mm VF-1ms	df = 1.0 µm	CP8909
2507	Nitroglycerin and ethyleneglycol dinitrate	15 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8553

2508	Isophorone	15 m x 0.25 mm VF-1ms	df = 0.25 µm	CP8907
2510	1-Octanethiol	15 m x 0.25 mm VF-5ms	df = 0.25 µm	CP8939
2513	Ethylene chlorohydrin	15 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8553
2515	Diazomethane	15 m x 0.25 mm VF-1ms	df = 0.25 µm	CP8907
2516	Dichlorofluoromethane	30 m x 0.25 mm CP-Sil 5 CB	df = 1.0 µm	CP8770
2517	Pentachloroethane	30 m x 0.25 mm VF-5ms	df = 0.5 µm	CP8945
2518	Hexachloro-1,3-pentadiene	30 m x 0.25 mm CP-Sil 5 CB	df = 1.0 µm	CP8770
2519	Ethylchloride	30 m x 0.32 mm CP-Sil 5 CB	df = 3.0 µm	CP8687
2520	Methylbromide	30 m x 0.32 mm CP-Sil 5 CB	df = 3.0 µm	CP8687
2521	Methylcyclohexanone	30 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8763
2522	Nitrosamines	30 m x 0.25 mm VF-5ms	df = 0.5 µm	CP8945
2523	1,3-Cyclopentadiene	15 m x 0.32 mm VF-1ms	df = 1.0 µm	CP8920
2524	Dimethylsulfate	15 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8553
2525	1-Butanethiol	15 m x 0.32 mm VF-1ms	df = 1.0 µm	CP8920
2526	Nitroethane	15 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8553
2527	Nitromethane	30 m x 0.25 mm VF-5ms	df = 0.5 µm	CP8945
2528	2-Nitropropane	30 m x 0.25 mm VF-5ms	df = 0.5 µm	CP8945
2529	Furfural	30 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8763
2530	Biphenyl	15 m x 0.25 mm VF-5ms	df = 0.25 µm	CP8939
2531	Gluteraldehyde	30 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8763
2533	Tetraethyl lead	15 m x 0.25 mm CP-Sil 8 CB	df = 1.0 µm	CP8521
2534	Tetramethyl lead	15 m x 0.25 mm CP-Sil 8 CB	df = 1.0 µm	CP8521
2536	Valeraldehyde	15 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8553
2537	Methylmethacrylate	15 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8553
2538	Acetaldehyde	15 m x 0.32 mm CP-1301	df = 1.0 µm	CP8609
2539	Aldehydes, screening	30 m x 0.32 mm CP-Sil 5 CB	df = 0.25 µm	CP8742
2541	Formaldehyde	30 m x 0.32 mm CP-Sil 5 CB	df = 5.0 µm	CP8688
3502	Phenol	15 m x 0.25 mm VF-5ms	df = 0.25 µm	CP8939
3700	Benzene	15 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8553
3702	Ethylene oxide	30 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8763
4000	Toluene	30 m x 0.25 mm CP-Sil 8 CB	df = 0.25 µm	CP8751
5012	EPN, Malathion and Parathion	15 m x 0.25 mm VF-5ms	df = 0.25 µm	CP8939
5014	Chlorinated Terpenyl (60%chloride)	15 m x 0.25 mm VF-5ms	df = 0.25 µm	CP8939
5017	Dibutyl phosphate	15 m x 0.25 mm VF-5ms	df = 0.25 µm	CP8939
5019	Azelaic acid	15 m x 0.32 mm VF-1ms	df = 1.0 µm	CP8920

5020	Dibutyl phthalate Di-2-ethyl-hexyl-phthalate	15 m x 0.25 mm VF-5ms	df = 0.25 µm	CP8939
5021	o-Terpenyl	30 m x 0.25 mm VF-1ms	df = 0.25 µm	CP8912
5025	Chlorinated diphenylether	15 m x 0.25 mm VF-5ms	df = 0.25 µm	CP8939
5029	4,4-Diphenylenedianiline	30 m x 0.25 mm CP-Sil 8 CB for amines	df = 0.5 µm	CP7595
5500	Ethylene glycol	25 m x 0.25 mm CP-Wax 57 CB for Glycols	df = 0.2 µm	CP7615
5502	Aldrin and Lindane	50 m x 0.25 mm CP-Sil 8 CB for pesticides	df = 0.12 µm	CP7481.
5503	Polychlorobiphenyls	50 m x 0.25 mm CP-Sil 8 CB for PCB's	df = 0.25 µm	CP7482
5506	Polynuclear Aromatic Hydrocarbons	25 m x 0.25 mm CP-Sil PAH CB	df = 0.2 µm	CP7440
5509	Benzidine and 3,3-dichlorobenzidine	15 m x 0.53 mm CP-Sil 8 CB	df = 1.5 µm	CP8678
5510	Chlordane	50 m x 0.25 mm CP-Sil 8 CB for pesticides	df = 0.12 µm	CP7481
5514	Demeton	50 m x 0.25 mm CP-Sil 8 CB for pesticides	df = 0.12 µm	CP7481
5515	Polynuclear Aromatic Hydrocarbons	25 m x 0.25 mm CP-Sil PAH CB	df = 0.2 µm	CP7440
5516	2,4- and 2,6-toluene diamine	30 m x 0.25 mm CP-Sil 8 CB for amines	df = 0.5 µm	CP7595
5517	Polychlorobenzenes	15 m x 0.25 mm CP-Sil 8 CB Low-Bleed/MS	df = 0.25 µm	CP5868
5518	Naphthylamines	30 m x 0.25 mm CP-Sil 8 CB for amines	df = 0.5 µm	CP7595
5519	Endrin	50 m x 0.25 mm CP-Sil 8 CB for pesticides	df = 0.12 µm	CP7481
8001	Pentachlorophenol	15 m x 0.25 mm VF-5ms	df = 0.25 µm	CP8939
8004	2-Butanone, ethanol and toluene in blood	30 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8763
8302	MBOC	15 m x 0.25 mm VF-5ms	df = 0.25 µm	CP8939
8305	Pentachlorophenol	15 m x 0.25 mm VF-5ms	df = 0.25 µm	CP8939
8306	Benzidine	30 m x 0.25 mm VF-5ms	df = 0.25 µm	CP8944
P&CAM 278	Vinylacetate	15 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8553
P&CAM 307	Hexachlorobutadiene	30 m x 0.25 mm CP-Sil 5 CB	df = 1.0 µm	CP8770
P&CAM 337	p-Chlorophenol	15 m x 0.25 mm VF-5ms	df = 0.25 µm	CP8939
S-11	Chloroacetaldehyde	15 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8553
S-36	Ethyl formate	15 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8553
S-38	Methylacrylate	30 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8763
S-39	Methyl cellosolve	30 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8763
S-42	Methyl acetate	30 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8763
S-49	Ethyl acetate	30 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8763
S-50	Isopropyl acetate	15 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8553
S-67	Toxaphene	50 m x 0.25 mm CP-Sil 8 CB for pesticides	df = 0.12 µm	CP7481
S-72	Phenyl ether	15 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8553
S-74	Phenyl ether-biphenyl mixture	15 m x 0.25 mm VF-5ms	df = 0.25 µm	CP8939

S-77	Isopropyl Glycidylether	30 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8763
S-81	n-Butyl glycidyl ether	30 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8763
S-138	n-Butylamine	30 m x 0.25 mm CP-Sil 8 CB for amines	df = 0.5 µm	CP7595
S-153	Monomethylamine	60 m x 0.32 mm CP-Volamine	CP7448
S-158	2-Aminopyridine	30 m x 0.25 mm CP-Sil 8 CB for amines	df = 0.5 µm	CP7595
S-208	Tributylphosphate	15 m x 0.25 mm VF-5ms	df = 0.25 µm	CP8939
S-249	Carbon dioxide	25 m x 0.53 mm CP-PoraPLOT Q	df = 20 mm	CP7554
S-299	Ronnel	50 m x 0.25 mm CP-Sil 8 CB for pesticides	df = 0.12 µm	CP7481
S-346	Allyl glycidyl ether	15 m x 0.32 mm CP-Sil 5 CB	df = 1.0 µm	CP8540
S-368	Isopropyl ether	15 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8553
S-374	Methylcyclohexanol	30 m x 0.32 mm CP-Wax 52 CB	df = 0.5 µm	CP8763