

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: YANN01

Lab Code: CHEM Case No.: P4474 SAS No.: P4474 SDG No.: P4474

Instrument ID: BNA_F Calibration Date/Time: 10/24/2024 09:55

Lab File ID: BF139990.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.278	1.208		-5.5	
Benzaldehyde	0.931	0.831		-10.7	
Phenol-d6	1.655	1.504		-9.1	
Phenol	1.706	1.572		-7.9	20.0
bis(2-Chloroethyl)ether	1.319	1.218		-7.7	
2-Chlorophenol	1.306	1.240		-5.1	
2-Methylphenol	1.114	1.030		-7.5	
2,2-oxybis(1-Chloropropane)	2.248	1.937		-13.8	
Acetophenone	0.490	0.464		-5.3	
3+4-Methylphenols	1.424	1.299		-8.8	
n-Nitroso-di-n-propylamine	1.004	0.880	0.050	-12.4	
Nitrobenzene-d5	0.361	0.374		3.6	
Hexachloroethane	0.534	0.521		-2.4	
Nitrobenzene	0.396	0.392		-1.0	
Isophorone	0.685	0.644		-6.0	
2-Nitrophenol	0.149	0.177		18.8	20.0
2,4-Dimethylphenol	0.249	0.234		-6.0	
bis(2-Chloroethoxy)methane	0.415	0.394		-5.1	
2,4-Dichlorophenol	0.283	0.280		-1.1	20.0
Naphthalene	1.031	1.003		-2.7	
4-Chloroaniline	0.352	0.334		-5.1	
Hexachlorobutadiene	0.197	0.202		2.5	20.0
Caprolactam	0.090	0.088		-2.2	
4-Chloro-3-methylphenol	0.314	0.299		-4.8	20.0
2-Methylnaphthalene	0.632	0.616		-2.5	
Hexachlorocyclopentadiene	0.188	0.207	0.050	10.1	
2,4,6-Trichlorophenol	0.382	0.403		5.5	20.0
2-Fluorobiphenyl	1.210	1.183		-2.2	
2,4,5-Trichlorophenol	0.394	0.395		0.3	
1,1-Biphenyl	1.392	1.371		-1.5	
2-Chloronaphthalene	1.121	1.110		-1.0	
2-Nitroaniline	0.343	0.362		5.5	
Dimethylphthalate	1.246	1.208		-3.0	
Acenaphthylene	1.621	1.581		-2.5	
2,6-Dinitrotoluene	0.270	0.286		5.9	
3-Nitroaniline	0.278	0.284		2.2	
Acenaphthene	1.049	1.051		0.2	20.0
2,4-Dinitrophenol	0.093	0.148	0.050	59.1	
4-Nitrophenol	0.214	0.229	0.050	7.0	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.505	1.448		-3.8	
2,4-Dinitrotoluene	0.332	0.371		11.7	
Diethylphthalate	1.223	1.175		-3.9	
4-Chlorophenyl-phenylether	0.579	0.580		0.2	
Fluorene	1.146	1.110		-3.1	
4-Nitroaniline	0.263	0.259		-1.5	
4,6-Dinitro-2-methylphenol	0.082	0.117		42.7	
n-Nitrosodiphenylamine	0.599	0.588		-1.8	20.0
2,4,6-Tribromophenol	0.187	0.205		9.6	
4-Bromophenyl-phenylether	0.206	0.216		4.9	
Hexachlorobenzene	0.232	0.240		3.4	
Atrazine	0.162	0.161		-0.6	
Pentachlorophenol	0.141	0.164		16.3	20.0
Phenanthrene	0.945	0.917		-3.0	
Anthracene	0.922	0.908		-1.5	
Carbazole	0.857	0.802		-6.4	
Di-n-butylphthalate	0.990	0.948		-4.2	
Fluoranthene	0.955	0.903		-5.4	20.0
Pyrene	1.751	1.844		5.3	
Terphenyl-d14	1.227	1.286		4.8	
Butylbenzylphthalate	0.525	0.536		2.1	
3,3-Dichlorobenzidine	0.380	0.412		8.4	
Benzo (a) anthracene	1.302	1.275		-2.1	
Chrysene	1.194	1.140		-4.5	
Bis(2-ethylhexyl)phthalate	0.589	0.640		8.7	
Di-n-octyl phthalate	1.071	1.138		6.3	20.0
Benzo (b) fluoranthene	1.218	1.075		-11.7	
Benzo (k) fluoranthene	1.051	1.055		0.4	
Benzo (a) pyrene	1.002	0.994		-0.8	20.0
Indeno (1,2,3-cd) pyrene	1.287	1.421		10.4	
Dibenzo (a,h) anthracene	1.073	1.182		10.2	
Benzo (g,h,i) perylene	1.072	1.222		14.0	
1,2,4,5-Tetrachlorobenzene	0.540	0.551		2.0	
1,4-Dioxane	0.596	0.552		-7.4	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.322		4.2	

All other compounds must meet a minimum RRF of 0.010.