

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG No.: P4578

Instrument ID: BNA_F Calibration Date/Time: 10/29/2024 09:37

Lab File ID: BF140100.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	1.231		-3.7	
Benzaldehyde	0.931	0.890		-4.4	
Phenol-d6	1.655	1.553		-6.2	
Phenol	1.706	1.612		-5.5	20.0
bis(2-Chloroethyl)ether	1.319	1.262		-4.3	
2-Chlorophenol	1.306	1.256		-3.8	
2-Methylphenol	1.114	1.060		-4.8	
2,2-oxybis(1-Chloropropane)	2.248	2.041		-9.2	
Acetophenone	0.490	0.474		-3.3	
3+4-Methylphenols	1.424	1.345		-5.5	
n-Nitroso-di-n-propylamine	1.004	0.914	0.050	-9.0	
Nitrobenzene-d5	0.361	0.382		5.8	
Hexachloroethane	0.534	0.535		0.2	
Nitrobenzene	0.396	0.400		1.0	
Isophorone	0.685	0.661		-3.5	
2-Nitrophenol	0.149	0.175		17.5	20.0
2,4-Dimethylphenol	0.249	0.232		-6.8	
bis(2-Chloroethoxy)methane	0.415	0.398		-4.1	
2,4-Dichlorophenol	0.283	0.280		-1.1	20.0
Naphthalene	1.031	1.010		-2.0	
4-Chloroaniline	0.352	0.331		-6.0	
Hexachlorobutadiene	0.197	0.203		3.0	20.0
Caprolactam	0.090	0.090		0.0	
4-Chloro-3-methylphenol	0.314	0.310		-1.3	20.0
2-Methylnaphthalene	0.632	0.616		-2.5	
Hexachlorocyclopentadiene	0.188	0.193	0.050	2.7	
2,4,6-Trichlorophenol	0.382	0.376		-1.6	20.0
2-Fluorobiphenyl	1.210	1.180		-2.5	
2,4,5-Trichlorophenol	0.394	0.411		4.3	
1,1-Biphenyl	1.392	1.364		-2.0	
2-Chloronaphthalene	1.121	1.108		-1.2	
2-Nitroaniline	0.343	0.385		12.2	
Dimethylphthalate	1.246	1.227		-1.5	
Acenaphthylene	1.621	1.605		-1.0	
2,6-Dinitrotoluene	0.270	0.295		9.3	
3-Nitroaniline	0.278	0.297		6.8	
Acenaphthene	1.049	1.061		1.1	20.0
2,4-Dinitrophenol	0.093	0.155	0.050	66.7	
4-Nitrophenol	0.214	0.236	0.050	10.3	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.505	1.476		-1.9	
2,4-Dinitrotoluene	0.332	0.388		16.9	
Diethylphthalate	1.223	1.207		-1.3	
4-Chlorophenyl-phenylether	0.579	0.583		0.7	
Fluorene	1.146	1.132		-1.2	
4-Nitroaniline	0.263	0.293		11.4	
4,6-Dinitro-2-methylphenol	0.082	0.119		45.1	
n-Nitrosodiphenylamine	0.599	0.566		-5.5	20.0
2,4,6-Tribromophenol	0.187	0.203		8.6	
4-Bromophenyl-phenylether	0.206	0.207		0.5	
Hexachlorobenzene	0.232	0.232		0.0	
Atrazine	0.162	0.160		-1.2	
Pentachlorophenol	0.141	0.154		9.2	20.0
Phenanthrene	0.945	0.913		-3.4	
Anthracene	0.922	0.902		-2.2	
Carbazole	0.857	0.840		-2.0	
Di-n-butylphthalate	0.990	1.010		2.0	
Fluoranthene	0.955	0.943		-1.3	20.0
Pyrene	1.751	1.837		4.9	
Terphenyl-d14	1.227	1.284		4.6	
Butylbenzylphthalate	0.525	0.589		12.2	
3,3-Dichlorobenzidine	0.380	0.407		7.1	
Benzo (a) anthracene	1.302	1.341		3.0	
Chrysene	1.194	1.129		-5.4	
Bis(2-ethylhexyl)phthalate	0.589	0.667		13.2	
Di-n-octyl phthalate	1.071	1.049		-2.1	20.0
Benzo (b) fluoranthene	1.218	1.185		-2.7	
Benzo (k) fluoranthene	1.051	1.034		-1.6	
Benzo (a) pyrene	1.002	0.999		-0.3	20.0
Indeno (1,2,3-cd) pyrene	1.287	1.323		2.8	
Dibenzo (a,h) anthracene	1.073	1.086		1.2	
Benzo (g,h,i) perylene	1.072	1.142		6.5	
1,2,4,5-Tetrachlorobenzene	0.540	0.549		1.7	
1,4-Dioxane	0.596	0.537		-9.9	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.316		2.3	

All other compounds must meet a minimum RRF of 0.010.