

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: UNIO02

Lab Code: CHEM Case No.: P4663 SAS No.: P4663 SDG No.: P4663

Instrument ID: BNA_F Calibration Date/Time: 11/01/2024 09:22

Lab File ID: BF140200.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	1.245		-2.7	
Benzaldehyde	0.931	0.962		3.3	
Phenol-d6	1.655	1.646		-0.5	
Phenol	1.706	1.707		0.1	20.0
bis(2-Chloroethyl)ether	1.319	1.336		1.3	
2-Chlorophenol	1.306	1.308		0.2	
2-Methylphenol	1.114	1.140		2.3	
2,2-oxybis(1-Chloropropane)	2.248	2.316		3.0	
Acetophenone	0.490	0.483		-1.4	
3+4-Methylphenols	1.424	1.392		-2.2	
n-Nitroso-di-n-propylamine	1.004	0.996	0.050	-0.8	
Nitrobenzene-d5	0.361	0.401		11.1	
Hexachloroethane	0.534	0.561		5.1	
Nitrobenzene	0.396	0.419		5.8	
Isophorone	0.685	0.699		2.0	
2-Nitrophenol	0.149	0.184		23.5	20.0
2,4-Dimethylphenol	0.249	0.239		-4.0	
bis(2-Chloroethoxy)methane	0.415	0.418		0.7	
2,4-Dichlorophenol	0.283	0.288		1.8	20.0
Naphthalene	1.031	1.035		0.4	
4-Chloroaniline	0.352	0.334		-5.1	
Hexachlorobutadiene	0.197	0.205		4.1	20.0
Caprolactam	0.090	0.100		11.1	
4-Chloro-3-methylphenol	0.314	0.326		3.8	20.0
2-Methylnaphthalene	0.632	0.643		1.7	
Hexachlorocyclopentadiene	0.188	0.186	0.050	-1.1	
2,4,6-Trichlorophenol	0.382	0.399		4.4	20.0
2-Fluorobiphenyl	1.210	1.197		-1.1	
2,4,5-Trichlorophenol	0.394	0.403		2.3	
1,1-Biphenyl	1.392	1.370		-1.6	
2-Chloronaphthalene	1.121	1.119		-0.2	
2-Nitroaniline	0.343	0.409		19.2	
Dimethylphthalate	1.246	1.300		4.3	
Acenaphthylene	1.621	1.616		-0.3	
2,6-Dinitrotoluene	0.270	0.305		13.0	
3-Nitroaniline	0.278	0.318		14.4	
Acenaphthene	1.049	1.094		4.3	20.0
2,4-Dinitrophenol	0.093	0.177	0.050	90.3	
4-Nitrophenol	0.214	0.257	0.050	20.1	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.505	1.497		-0.5	
2,4-Dinitrotoluene	0.332	0.409		23.2	
Diethylphthalate	1.223	1.283		4.9	
4-Chlorophenyl-phenylether	0.579	0.592		2.2	
Fluorene	1.146	1.175		2.5	
4-Nitroaniline	0.263	0.334		27.0	
4,6-Dinitro-2-methylphenol	0.082	0.129		57.3	
n-Nitrosodiphenylamine	0.599	0.588		-1.8	20.0
2,4,6-Tribromophenol	0.187	0.211		12.8	
4-Bromophenyl-phenylether	0.206	0.207		0.5	
Hexachlorobenzene	0.232	0.231		-0.4	
Atrazine	0.162	0.166		2.5	
Pentachlorophenol	0.141	0.159		12.8	20.0
Phenanthrene	0.945	0.934		-1.2	
Anthracene	0.922	0.926		0.4	
Carbazole	0.857	0.877		2.3	
Di-n-butylphthalate	0.990	1.074		8.5	
Fluoranthene	0.955	1.027		7.5	20.0
Pyrene	1.751	1.637		-6.5	
Terphenyl-d14	1.227	1.172		-4.5	
Butylbenzylphthalate	0.525	0.656		25.0	
3,3-Dichlorobenzidine	0.380	0.424		11.6	
Benzo (a) anthracene	1.302	1.323		1.6	
Chrysene	1.194	1.237		3.6	
Bis(2-ethylhexyl)phthalate	0.589	0.869		47.5	
Di-n-octyl phthalate	1.071	1.344		25.5	20.0
Benzo (b) fluoranthene	1.218	1.286		5.6	
Benzo (k) fluoranthene	1.051	1.245		18.5	
Benzo (a) pyrene	1.002	1.068		6.6	20.0
Indeno (1,2,3-cd) pyrene	1.287	1.255		-2.5	
Dibenzo (a,h) anthracene	1.073	1.035		-3.5	
Benzo (g,h,i) perylene	1.072	1.055		-1.6	
1,2,4,5-Tetrachlorobenzene	0.540	0.549		1.7	
1,4-Dioxane	0.596	0.508		-14.8	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.324		4.9	

All other compounds must meet a minimum RRF of 0.010.