

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: WALS01

Lab Code: CHEM Case No.: P4722 SAS No.: P4722 SDG No.: P4722

Instrument ID: BNA_F Calibration Date/Time: 11/15/2024 09:42

Lab File ID: BF140391.D Init. Calib. Date(s): 11/13/2024 11/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 12:48

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.171	1.174		0.3	
Benzaldehyde	0.951	0.866		-8.9	
Phenol-d6	1.587	1.530		-3.6	
Phenol	1.674	1.610		-3.8	20.0
bis(2-Chloroethyl)ether	1.268	1.224		-3.5	
2-Chlorophenol	1.258	1.239		-1.5	
2-Methylphenol	1.035	0.992		-4.2	
2,2-oxybis(1-Chloropropane)	1.752	1.582		-9.7	
Acetophenone	0.465	0.462		-0.6	
3+4-Methylphenols	1.295	1.266		-2.2	
n-Nitroso-di-n-propylamine	0.959	0.883	0.050	-7.9	
Nitrobenzene-d5	0.384	0.381		-0.8	
Hexachloroethane	0.520	0.507		-2.5	
Nitrobenzene	0.400	0.397		-0.8	
Isophorone	0.680	0.646		-5.0	
2-Nitrophenol	0.177	0.180		1.7	20.0
2,4-Dimethylphenol	0.227	0.221		-2.6	
bis(2-Chloroethoxy)methane	0.417	0.394		-5.5	
2,4-Dichlorophenol	0.281	0.280		-0.4	20.0
Naphthalene	1.015	1.007		-0.8	
4-Chloroaniline	0.353	0.334		-5.4	
Hexachlorobutadiene	0.199	0.197		-1.0	20.0
Caprolactam	0.093	0.094		1.1	
4-Chloro-3-methylphenol	0.311	0.310		-0.3	20.0
2-Methylnaphthalene	0.651	0.633		-2.8	
Hexachlorocyclopentadiene	0.142	0.122	0.050	-14.1	
2,4,6-Trichlorophenol	0.363	0.368		1.4	20.0
2-Fluorobiphenyl	1.244	1.225		-1.5	
2,4,5-Trichlorophenol	0.397	0.403		1.5	
1,1-Biphenyl	1.455	1.438		-1.2	
2-Chloronaphthalene	1.108	1.095		-1.2	
2-Nitroaniline	0.368	0.371		0.8	
Dimethylphthalate	1.304	1.272		-2.5	
Acenaphthylene	1.677	1.677		0.0	
2,6-Dinitrotoluene	0.297	0.302		1.7	
3-Nitroaniline	0.312	0.312		0.0	
Acenaphthene	1.133	1.124		-0.8	20.0
2,4-Dinitrophenol	0.153	0.148	0.050	-3.3	
4-Nitrophenol	0.228	0.236	0.050	3.5	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.603	1.595		-0.5	
2,4-Dinitrotoluene	0.391	0.402		2.8	
Diethylphthalate	1.333	1.292		-3.1	
4-Chlorophenyl-phenylether	0.625	0.612		-2.1	
Fluorene	1.267	1.257		-0.8	
4-Nitroaniline	0.319	0.335		5.0	
4,6-Dinitro-2-methylphenol	0.108	0.116		7.4	
n-Nitrosodiphenylamine	0.578	0.566		-2.1	20.0
2,4,6-Tribromophenol	0.199	0.198		-0.5	
4-Bromophenyl-phenylether	0.200	0.193		-3.5	
Hexachlorobenzene	0.225	0.225		0.0	
Atrazine	0.175	0.155		-11.4	
Pentachlorophenol	0.121	0.117		-3.3	20.0
Phenanthrene	0.940	0.915		-2.7	
Anthracene	0.921	0.914		-0.8	
Carbazole	0.909	0.920		1.2	
Di-n-butylphthalate	1.091	1.028		-5.8	
Fluoranthene	1.054	1.039		-1.4	20.0
Pyrene	1.711	1.790		4.6	
Terphenyl-d14	1.152	1.158		0.5	
Butylbenzylphthalate	0.657	0.675		2.7	
3,3-Dichlorobenzidine	0.418	0.425		1.7	
Benzo (a) anthracene	1.314	1.279		-2.7	
Chrysene	1.199	1.195		-0.3	
Bis(2-ethylhexyl)phthalate	0.877	0.861		-1.8	
Di-n-octyl phthalate	1.235	1.164		-5.7	20.0
Benzo (b) fluoranthene	1.308	1.193		-8.8	
Benzo (k) fluoranthene	1.069	1.073		0.4	
Benzo (a) pyrene	1.016	1.005		-1.1	20.0
Indeno (1,2,3-cd) pyrene	1.235	1.249		1.1	
Dibenzo (a,h) anthracene	1.021	1.024		0.3	
Benzo (g,h,i) perylene	1.044	1.073		2.8	
1,2,4,5-Tetrachlorobenzene	0.553	0.546		-1.3	
1,4-Dioxane	0.522	0.518		-0.8	20.0
2,3,4,6-Tetrachlorophenol	0.313	0.312		-0.3	

All other compounds must meet a minimum RRF of 0.010.