

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG No.: Q2032

Instrument ID: BNA_F Calibration Date/Time: 05/19/2025 10:09

Lab File ID: BF142441.D Init. Calib. Date(s): 05/05/2025 05/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:54 17:15

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.172	1.227		4.7	
Benzaldehyde	0.843	0.843		0.0	
Phenol-d6	1.441	1.481		2.8	
Phenol	1.531	1.710		11.7	20.0
bis(2-Chloroethyl)ether	1.506	1.207		-19.9	
2-Chlorophenol	1.252	1.349		7.7	
2-Methylphenol	1.014	1.039		2.5	
2,2-oxybis(1-Chloropropane)	2.249	2.042		-9.2	
Acetophenone	0.445	0.447		0.4	
3+4-Methylphenols	1.265	1.317		4.1	
n-Nitroso-di-n-propylamine	0.891	0.862	0.050	-3.3	
Nitrobenzene-d5	0.328	0.377		14.9	
Hexachloroethane	0.478	0.514		7.5	
Nitrobenzene	0.309	0.344		11.3	
Isophorone	0.621	0.614		-1.1	
2-Nitrophenol	0.129	0.186		44.2	20.0
2,4-Dimethylphenol	0.312	0.324		3.8	
bis(2-Chloroethoxy)methane	0.399	0.383		-4.0	
2,4-Dichlorophenol	0.265	0.292		10.2	20.0
Naphthalene	0.969	0.992		2.4	
4-Chloroaniline	0.395	0.405		2.5	
Hexachlorobutadiene	0.177	0.193		9.0	20.0
Caprolactam	0.077	0.088		14.3	
4-Chloro-3-methylphenol	0.276	0.291		5.4	20.0
2-Methylnaphthalene	0.602	0.611		1.5	
Hexachlorocyclopentadiene	0.345	0.409	0.050	18.6	
2,4,6-Trichlorophenol	0.352	0.404		14.8	20.0
2-Fluorobiphenyl	1.403	1.407		0.3	
2,4,5-Trichlorophenol	0.375	0.421		12.3	
1,1-Biphenyl	1.533	1.550		1.1	
2-Chloronaphthalene	1.140	1.160		1.8	
2-Nitroaniline	0.292	0.353		20.9	
Dimethylphthalate	1.284	1.329		3.5	
Acenaphthylene	1.908	1.943		1.8	
2,6-Dinitrotoluene	0.240	0.295		22.9	
3-Nitroaniline	0.282	0.335		18.8	
Acenaphthene	1.147	1.187		3.5	20.0
2,4-Dinitrophenol	0.102	0.157	0.050	53.9	
4-Nitrophenol	0.212	0.259	0.050	22.2	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.693	1.703		0.6	
2,4-Dinitrotoluene	0.308	0.400		29.9	
Diethylphthalate	1.283	1.281		-0.2	
4-Chlorophenyl-phenylether	0.623	0.625		0.3	
Fluorene	1.292	1.288		-0.3	
4-Nitroaniline	0.223	0.304		36.3	
4,6-Dinitro-2-methylphenol	0.082	0.120		46.3	
n-Nitrosodiphenylamine	0.666	0.666		0.0	20.0
2,4,6-Tribromophenol	0.193	0.230		19.2	
4-Bromophenyl-phenylether	0.227	0.233		2.6	
Hexachlorobenzene	0.249	0.263		5.6	
Atrazine	0.175	0.191		9.1	
Pentachlorophenol	0.131	0.159		21.4	20.0
Phenanthrene	1.048	1.053		0.5	
Anthracene	1.077	1.093		1.5	
Carbazole	0.966	0.972		0.6	
Di-n-butylphthalate	1.016	1.024		0.8	
Fluoranthene	1.048	1.029		-1.8	20.0
Pyrene	1.780	1.909		7.2	
Terphenyl-d14	1.351	1.382		2.3	
Butylbenzylphthalate	0.449	0.538		19.8	
3,3-Dichlorobenzidine	0.301	0.430		42.9	
Benzo (a) anthracene	1.295	1.341		3.6	
Chrysene	1.206	1.241		2.9	
Bis(2-ethylhexyl)phthalate	0.573	0.721		25.8	
Di-n-octyl phthalate	1.057	1.382		30.7	20.0
Benzo (b) fluoranthene	1.211	1.220		0.7	
Benzo (k) fluoranthene	1.109	1.121		1.1	
Benzo (a) pyrene	1.085	1.160		6.9	20.0
Indeno (1,2,3-cd) pyrene	1.391	1.527		9.8	
Dibenzo (a,h) anthracene	1.149	1.236		7.6	
Benzo (g,h,i) perylene	1.141	1.212		6.2	
1,2,4,5-Tetrachlorobenzene	0.559	0.585		4.7	
1,4-Dioxane	0.528	0.512		-3.0	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.355		14.9	

All other compounds must meet a minimum RRF of 0.010.