

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG No.: Q1447

Instrument ID: BNA_F Calibration Date/Time: 03/03/2025 14:16

Lab File ID: BF141811.D Init. Calib. Date(s): 02/27/2025 02/27/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 15:17 18:45

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.252	1.206		-3.7	
Benzaldehyde	0.948	0.816		-13.9	
Phenol-d6	1.630	1.561		-4.2	
Phenol	1.742	1.675		-3.8	20.0
bis(2-Chloroethyl)ether	1.328	1.295		-2.5	
2-Chlorophenol	1.355	1.309		-3.4	
2-Methylphenol	1.118	1.084		-3.0	
2,2-oxybis(1-Chloropropane)	2.016	1.972		-2.2	
Acetophenone	0.487	0.481		-1.2	
3+4-Methylphenols	1.392	1.327		-4.7	
n-Nitroso-di-n-propylamine	1.072	1.002	0.050	-6.5	
Nitrobenzene-d5	0.313	0.341		8.9	
Hexachloroethane	0.547	0.527		-3.7	
Nitrobenzene	0.335	0.356		6.3	
Isophorone	0.672	0.654		-2.7	
2-Nitrophenol	0.127	0.137		7.9	20.0
2,4-Dimethylphenol	0.247	0.244		-1.2	
bis(2-Chloroethoxy)methane	0.429	0.420		-2.1	
2,4-Dichlorophenol	0.285	0.286		0.4	20.0
Naphthalene	1.028	1.010		-1.8	
4-Chloroaniline	0.377	0.368		-2.4	
Hexachlorobutadiene	0.194	0.194		0.0	20.0
Caprolactam	0.088	0.088		0.0	
4-Chloro-3-methylphenol	0.317	0.311		-1.9	20.0
2-Methylnaphthalene	0.674	0.657		-2.5	
Hexachlorocyclopentadiene	0.241	0.235	0.050	-2.5	
2,4,6-Trichlorophenol	0.373	0.367		-1.6	20.0
2-Fluorobiphenyl	1.247	1.214		-2.6	
2,4,5-Trichlorophenol	0.369	0.391		6.0	
1,1-Biphenyl	1.522	1.522		0.0	
2-Chloronaphthalene	1.124	1.134		0.9	
2-Nitroaniline	0.260	0.310		19.2	
Dimethylphthalate	1.339	1.335		-0.3	
Acenaphthylene	1.685	1.682		-0.2	
2,6-Dinitrotoluene	0.226	0.259		14.6	
3-Nitroaniline	0.241	0.276		14.5	
Acenaphthene	1.137	1.136		-0.1	20.0
2,4-Dinitrophenol	0.089	0.096	0.050	7.9	
4-Nitrophenol	0.198	0.219	0.050	10.6	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.654	1.635		-1.1	
2,4-Dinitrotoluene	0.269	0.324		20.4	
Diethylphthalate	1.343	1.344		0.1	
4-Chlorophenyl-phenylether	0.621	0.606		-2.4	
Fluorene	1.239	1.208		-2.5	
4-Nitroaniline	0.229	0.271		18.3	
4,6-Dinitro-2-methylphenol	0.081	0.087		7.4	
n-Nitrosodiphenylamine	0.657	0.650		-1.1	20.0
2,4,6-Tribromophenol	0.188	0.187		-0.5	
4-Bromophenyl-phenylether	0.234	0.236		0.9	
Hexachlorobenzene	0.247	0.249		0.8	
Atrazine	0.181	0.169		-6.6	
Pentachlorophenol	0.156	0.160		2.6	20.0
Phenanthrene	1.070	1.067		-0.3	
Anthracene	1.072	1.051		-2.0	
Carbazole	0.947	0.935		-1.3	
Di-n-butylphthalate	1.200	1.195		-0.4	
Fluoranthene	1.096	1.069		-2.5	20.0
Pyrene	1.732	1.812		4.6	
Terphenyl-d14	1.236	1.265		2.3	
Butylbenzylphthalate	0.629	0.673		7.0	
3,3-Dichlorobenzidine	0.379	0.383		1.1	
Benzo (a) anthracene	1.321	1.300		-1.6	
Chrysene	1.218	1.182		-3.0	
Bis(2-ethylhexyl)phthalate	0.783	0.875		11.8	
Di-n-octyl phthalate	1.173	1.201		2.4	20.0
Benzo (b) fluoranthene	1.362	1.429		4.9	
Benzo (k) fluoranthene	1.158	1.071		-7.5	
Benzo (a) pyrene	1.093	1.088		-0.5	20.0
Indeno (1,2,3-cd) pyrene	1.274	1.319		3.5	
Dibenzo (a,h) anthracene	1.040	1.095		5.3	
Benzo (g,h,i) perylene	1.065	1.113		4.5	
1,2,4,5-Tetrachlorobenzene	0.578	0.577		-0.2	
1,4-Dioxane	0.568	0.571		0.5	20.0
2,3,4,6-Tetrachlorophenol	0.321	0.333		3.7	

All other compounds must meet a minimum RRF of 0.010.