

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1901 SAS No.: Q1901 SDG No.: Q1901

Instrument ID: BNA_F Calibration Date/Time: 05/01/2025 10:17

Lab File ID: BF142250.D Init. Calib. Date(s): 04/30/2025 04/30/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:24 14:43

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.252	1.250		-0.2	
Benzaldehyde	1.057	1.122		6.1	
Phenol-d6	1.512	1.575		4.2	
Phenol	1.628	1.656		1.7	20.0
bis(2-Chloroethyl)ether	1.262	1.326		5.1	
2-Chlorophenol	1.294	1.275		-1.5	
2-Methylphenol	1.060	1.103		4.1	
2,2-oxybis(1-Chloropropane)	2.278	2.385		4.7	
Acetophenone	0.463	0.480		3.7	
3+4-Methylphenols	1.326	1.404		5.9	
n-Nitroso-di-n-propylamine	0.934	0.954	0.050	2.1	
Nitrobenzene-d5	0.304	0.333		9.5	
Hexachloroethane	0.483	0.505		4.6	
Nitrobenzene	0.299	0.320		7.0	
Isophorone	0.639	0.672		5.2	
2-Nitrophenol	0.102	0.098		-3.9	20.0
2,4-Dimethylphenol	0.322	0.337		4.7	
bis(2-Chloroethoxy)methane	0.403	0.421		4.5	
2,4-Dichlorophenol	0.269	0.285		5.9	20.0
Naphthalene	0.997	1.030		3.3	
4-Chloroaniline	0.415	0.433		4.3	
Hexachlorobutadiene	0.175	0.186		6.3	20.0
Caprolactam	0.081	0.090		11.1	
4-Chloro-3-methylphenol	0.277	0.300		8.3	20.0
2-Methylnaphthalene	0.613	0.635		3.6	
Hexachlorocyclopentadiene	0.319	0.316	0.050	-0.9	
2,4,6-Trichlorophenol	0.349	0.354		1.4	20.0
2-Fluorobiphenyl	1.418	1.409		-0.6	
2,4,5-Trichlorophenol	0.367	0.386		5.2	
1,1-Biphenyl	1.555	1.591		2.3	
2-Chloronaphthalene	1.157	1.176		1.6	
2-Nitroaniline	0.249	0.277		11.2	
Dimethylphthalate	1.280	1.346		5.2	
Acenaphthylene	1.952	1.996		2.3	
2,6-Dinitrotoluene	0.204	0.231		13.2	
3-Nitroaniline	0.257	0.296		15.2	
Acenaphthene	1.140	1.185		3.9	20.0
2,4-Dinitrophenol	0.058	0.056	0.050	-3.4	
4-Nitrophenol	0.201	0.210	0.050	4.5	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.709	1.772		3.7	
2,4-Dinitrotoluene	0.239	0.289		20.9	
Diethylphthalate	1.264	1.352		7.0	
4-Chlorophenyl-phenylether	0.617	0.638		3.4	
Fluorene	1.299	1.322		1.8	
4-Nitroaniline	0.238	0.283		18.9	
4,6-Dinitro-2-methylphenol	0.054	0.053		-1.9	
n-Nitrosodiphenylamine	0.683	0.706		3.4	20.0
2,4,6-Tribromophenol	0.182	0.196		7.7	
4-Bromophenyl-phenylether	0.223	0.235		5.4	
Hexachlorobenzene	0.249	0.257		3.2	
Atrazine	0.180	0.204		13.3	
Pentachlorophenol	0.132	0.137		3.8	20.0
Phenanthrene	1.080	1.116		3.3	
Anthracene	1.105	1.142		3.3	
Carbazole	1.008	1.044		3.6	
Di-n-butylphthalate	1.013	1.137		12.2	
Fluoranthene	1.068	1.147		7.4	20.0
Pyrene	1.845	1.938		5.0	
Terphenyl-d14	1.375	1.422		3.4	
Butylbenzylphthalate	0.426	0.502		17.8	
3,3-Dichlorobenzidine	0.394	0.420		6.6	
Benzo (a) anthracene	1.343	1.378		2.6	
Chrysene	1.222	1.297		6.1	
Bis(2-ethylhexyl)phthalate	0.604	0.621		2.8	
Di-n-octyl phthalate	1.133	1.018		-10.1	20.0
Benzo (b) fluoranthene	1.242	1.242		0.0	
Benzo (k) fluoranthene	1.136	1.240		9.2	
Benzo (a) pyrene	1.137	1.193		4.9	20.0
Indeno (1,2,3-cd) pyrene	1.465	1.533		4.6	
Dibenzo (a,h) anthracene	1.189	1.258		5.8	
Benzo (g,h,i) perylene	1.195	1.250		4.6	
1,2,4,5-Tetrachlorobenzene	0.563	0.572		1.6	
1,4-Dioxane	0.559	0.579		3.6	20.0
2,3,4,6-Tetrachlorophenol	0.304	0.323		6.3	

All other compounds must meet a minimum RRF of 0.010.