

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2073 SAS No.: Q2073 SDG No.: Q2073

Instrument ID: BNA_P Calibration Date/Time: 05/23/2025 11:40

Lab File ID: BP024788.D Init. Calib. Date(s): 05/13/2025 05/13/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:41 15:26

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.169	1.153		-1.4	
Benzaldehyde	0.966	0.824		-14.7	
Phenol-d6	1.492	1.391		-6.8	
Phenol	1.540	1.406		-8.7	20.0
bis(2-Chloroethyl)ether	1.266	1.041		-17.8	
2-Chlorophenol	1.327	1.285		-3.2	
2-Methylphenol	1.105	1.020		-7.7	
2,2-oxybis(1-Chloropropane)	1.516	1.205		-20.5	
Acetophenone	0.500	0.471		-5.8	
3+4-Methylphenols	1.503	1.386		-7.8	
n-Nitroso-di-n-propylamine	1.032	0.869	0.050	-15.8	
Nitrobenzene-d5	0.396	0.363		-8.3	
Hexachloroethane	0.589	0.524		-11.0	
Nitrobenzene	0.348	0.310		-10.9	
Isophorone	0.687	0.597		-13.1	
2-Nitrophenol	0.171	0.181		5.8	20.0
2,4-Dimethylphenol	0.301	0.294		-2.3	
bis(2-Chloroethoxy)methane	0.410	0.346		-15.6	
2,4-Dichlorophenol	0.292	0.295		1.0	20.0
Naphthalene	1.036	1.000		-3.5	
4-Chloroaniline	0.418	0.412		-1.4	
Hexachlorobutadiene	0.213	0.212		-0.5	20.0
Caprolactam	0.106	0.104		-1.9	
4-Chloro-3-methylphenol	0.356	0.335		-5.9	20.0
2-Methylnaphthalene	0.671	0.635		-5.4	
Hexachlorocyclopentadiene	0.352	0.461	0.050	31.0	
2,4,6-Trichlorophenol	0.376	0.389		3.5	20.0
2-Fluorobiphenyl	1.527	1.497		-2.0	
2,4,5-Trichlorophenol	0.419	0.410		-2.1	
1,1-Biphenyl	1.478	1.419		-4.0	
2-Chloronaphthalene	1.127	1.115		-1.1	
2-Nitroaniline	0.334	0.309		-7.5	
Dimethylphthalate	1.524	1.471		-3.5	
Acenaphthylene	1.886	1.849		-2.0	
2,6-Dinitrotoluene	0.322	0.319		-0.9	
3-Nitroaniline	0.329	0.324		-1.5	
Acenaphthene	1.084	1.026		-5.4	20.0
2,4-Dinitrophenol	0.169	0.167	0.050	-1.2	
4-Nitrophenol	0.250	0.319	0.050	27.6	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.730	1.667		-3.6	
2,4-Dinitrotoluene	0.454	0.463		2.0	
Diethylphthalate	1.541	1.463		-5.1	
4-Chlorophenyl-phenylether	0.703	0.684		-2.7	
Fluorene	1.410	1.371		-2.8	
4-Nitroaniline	0.317	0.348		9.8	
4,6-Dinitro-2-methylphenol	0.129	0.130		0.8	
n-Nitrosodiphenylamine	0.614	0.580		-5.5	20.0
2,4,6-Tribromophenol	0.339	0.384		13.3	
4-Bromophenyl-phenylether	0.236	0.232		-1.7	
Hexachlorobenzene	0.299	0.309		3.3	
Atrazine	0.225	0.229		1.8	
Pentachlorophenol	0.168	0.188		11.9	20.0
Phenanthrene	1.112	1.068		-4.0	
Anthracene	1.119	1.082		-3.3	
Carbazole	1.012	1.026		1.4	
Di-n-butylphthalate	1.302	1.292		-0.8	
Fluoranthene	1.300	1.314		1.1	20.0
Pyrene	1.198	1.053		-12.1	
Terphenyl-d14	1.166	1.077		-7.6	
Butylbenzylphthalate	0.533	0.498		-6.6	
3,3-Dichlorobenzidine	0.466	0.498		6.9	
Benzo (a) anthracene	1.256	1.206		-4.0	
Chrysene	1.190	1.135		-4.6	
Bis(2-ethylhexyl)phthalate	0.783	0.773		-1.3	
Di-n-octyl phthalate	1.281	1.352		5.5	20.0
Benzo (b) fluoranthene	1.145	1.078		-5.9	
Benzo (k) fluoranthene	1.180	1.106		-6.3	
Benzo (a) pyrene	1.099	1.062		-3.4	20.0
Indeno (1,2,3-cd) pyrene	1.460	1.481		1.4	
Dibenzo (a,h) anthracene	1.188	1.213		2.1	
Benzo (g,h,i) perylene	1.181	1.186		0.4	
1,2,4,5-Tetrachlorobenzene	0.581	0.582		0.2	
1,4-Dioxane	0.549	0.475		-13.5	20.0
2,3,4,6-Tetrachlorophenol	0.388	0.396		2.1	

All other compounds must meet a minimum RRF of 0.010.