

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3273</u>
Instrument ID:	<u>BNA_G</u>	Calibration Date/Time:	<u>10/03/2025 13:33</u>
Lab File ID:	<u>BG064485.D</u>	Init. Calib. Date(s):	<u>10/02/2025 10/02/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:01 15:49</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.081	1.209		11.8	
Benzaldehyde	1.290	1.512		17.2	
Phenol-d6	1.452	1.602		10.3	
Phenol	1.532	1.694		10.6	20.0
bis(2-Chloroethyl)ether	1.038	1.112		7.1	
2-Chlorophenol	1.327	1.425		7.4	
2-Methylphenol	1.109	1.211		9.2	
2,2-oxybis(1-Chloropropane)	1.672	1.832		9.6	
Acetophenone	0.484	0.523		8.1	
3+4-Methylphenols	1.548	1.704		10.1	
n-Nitroso-di-n-propylamine	0.971	1.074	0.050	10.6	
Nitrobenzene-d5	0.372	0.400		7.5	
Hexachloroethane	0.575	0.621		8.0	
Nitrobenzene	0.371	0.391		5.4	
Isophorone	0.674	0.706		4.7	
2-Nitrophenol	0.185	0.195		5.4	20.0
2,4-Dimethylphenol	0.282	0.301		6.7	
bis(2-Chloroethoxy)methane	0.343	0.360		5.0	
2,4-Dichlorophenol	0.326	0.348		6.7	20.0
Naphthalene	1.030	1.093		6.1	
4-Chloroaniline	0.395	0.420		6.3	
Hexachlorobutadiene	0.304	0.315		3.6	20.0
Caprolactam	0.112	0.122		8.9	
4-Chloro-3-methylphenol	0.397	0.428		7.8	20.0
2-Methylnaphthalene	0.791	0.823		4.0	
Hexachlorocyclopentadiene	0.338	0.368	0.050	8.9	
2,4,6-Trichlorophenol	0.413	0.437		5.8	20.0
2-Fluorobiphenyl	1.357	1.436		5.8	
2,4,5-Trichlorophenol	0.461	0.511		10.8	
1,1-Biphenyl	1.438	1.499		4.2	
2-Chloronaphthalene	1.074	1.152		7.3	
2-Nitroaniline	0.367	0.393		7.1	
Dimethylphthalate	1.566	1.632		4.2	
Acenaphthylene	1.594	1.697		6.5	
2,6-Dinitrotoluene	0.326	0.352		8.0	
3-Nitroaniline	0.301	0.332		10.3	
Acenaphthene	1.108	1.174		6.0	20.0
2,4-Dinitrophenol	0.237	0.222	0.050	-6.3	
4-Nitrophenol	0.237	0.271	0.050	14.3	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.829	1.939		6.0	
2,4-Dinitrotoluene	0.499	0.537		7.6	
Diethylphthalate	1.680	1.758		4.6	
4-Chlorophenyl-phenylether	0.830	0.863		4.0	
Fluorene	1.520	1.622		6.7	
4-Nitroaniline	0.314	0.357		13.7	
4,6-Dinitro-2-methylphenol	0.139	0.147		5.8	
n-Nitrosodiphenylamine	0.534	0.559		4.7	20.0
2,4,6-Tribromophenol	0.363	0.380		4.7	
4-Bromophenyl-phenylether	0.235	0.250		6.4	
Hexachlorobenzene	0.269	0.281		4.5	
Atrazine	0.238	0.251		5.5	
Pentachlorophenol	0.157	0.168		7.0	20.0
Phenanthrene	1.046	1.113		6.4	
Anthracene	1.049	1.103		5.1	
Carbazole	0.907	0.978		7.8	
Di-n-butylphthalate	1.107	1.201		8.5	
Fluoranthene	1.250	1.372		9.8	20.0
Pyrene	1.298	1.371		5.6	
Terphenyl-d14	1.057	1.121		6.1	
Butylbenzylphthalate	0.460	0.487		5.9	
3,3-Dichlorobenzidine	0.432	0.460		6.5	
Benzo (a) anthracene	1.277	1.353		6.0	
Chrysene	1.211	1.274		5.2	
Bis(2-ethylhexyl)phthalate	0.649	0.681		4.9	
Di-n-octyl phthalate	1.091	1.132		3.8	20.0
Benzo (b) fluoranthene	1.138	1.230		8.1	
Benzo (k) fluoranthene	1.146	1.207		5.3	
Benzo (a) pyrene	1.049	1.132		7.9	20.0
Indeno (1,2,3-cd) pyrene	1.392	1.487		6.8	
Dibenzo (a,h) anthracene	1.113	1.209		8.6	
Benzo (g,h,i) perylene	1.082	1.155		6.7	
1,2,4,5-Tetrachlorobenzene	0.646	0.677		4.8	
1,4-Dioxane	0.427	0.434		1.6	20.0
2,3,4,6-Tetrachlorophenol	0.470	0.497		5.7	

All other compounds must meet a minimum RRF of 0.010.