

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>SCAL01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3150</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>09/24/2025 10:58</u>
Lab File ID:	<u>BP025840.D</u>	Init. Calib. Date(s):	<u>09/11/2025 09/11/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>08:56 15:20</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.240	1.230		-0.8	
Benzaldehyde	0.987	1.273		29.0	
Phenol-d6	1.648	1.565		-5.0	
Phenol	1.737	1.611		-7.3	20.0
bis(2-Chloroethyl)ether	1.396	1.302		-6.7	
2-Chlorophenol	1.360	1.298		-4.6	
2-Methylphenol	1.171	1.082		-7.6	
2,2-oxybis(1-Chloropropane)	2.283	2.061		-9.7	
Acetophenone	0.534	0.516		-3.4	
3+4-Methylphenols	1.640	1.477		-9.9	
n-Nitroso-di-n-propylamine	1.149	1.072	0.050	-6.7	
Nitrobenzene-d5	0.453	0.430		-5.1	
Hexachloroethane	0.602	0.578		-4.0	
Nitrobenzene	0.407	0.383		-5.9	
Isophorone	0.797	0.749		-6.0	
2-Nitrophenol	0.181	0.186		2.8	20.0
2,4-Dimethylphenol	0.317	0.308		-2.8	
bis(2-Chloroethoxy)methane	0.461	0.448		-2.8	
2,4-Dichlorophenol	0.316	0.315		-0.3	20.0
Naphthalene	1.078	1.013		-6.0	
4-Chloroaniline	0.449	0.435		-3.1	
Hexachlorobutadiene	0.229	0.224		-2.2	20.0
Caprolactam	0.122	0.147		20.5	
4-Chloro-3-methylphenol	0.377	0.358		-5.0	20.0
2-Methylnaphthalene	0.693	0.656		-5.3	
Hexachlorocyclopentadiene	0.330	0.308	0.050	-6.7	
2,4,6-Trichlorophenol	0.398	0.383		-3.8	20.0
2-Fluorobiphenyl	1.502	1.417		-5.7	
2,4,5-Trichlorophenol	0.443	0.430		-2.9	
1,1-Biphenyl	1.468	1.375		-6.3	
2-Chloronaphthalene	1.156	1.080		-6.6	
2-Nitroaniline	0.385	0.371		-3.6	
Dimethylphthalate	1.527	1.459		-4.5	
Acenaphthylene	1.915	1.788		-6.6	
2,6-Dinitrotoluene	0.324	0.320		-1.2	
3-Nitroaniline	0.340	0.339		-0.3	
Acenaphthene	1.104	1.030		-6.7	20.0
2,4-Dinitrophenol	0.183	0.207	0.050	13.1	
4-Nitrophenol	0.258	0.307	0.050	19.0	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.800	1.665		-7.5	
2,4-Dinitrotoluene	0.460	0.470		2.2	
Diethylphthalate	1.549	1.512		-2.4	
4-Chlorophenyl-phenylether	0.721	0.698		-3.2	
Fluorene	1.431	1.373		-4.1	
4-Nitroaniline	0.349	0.374		7.2	
4,6-Dinitro-2-methylphenol	0.133	0.141		6.0	
n-Nitrosodiphenylamine	0.612	0.575		-6.0	20.0
2,4,6-Tribromophenol	0.249	0.254		2.0	
4-Bromophenyl-phenylether	0.220	0.211		-4.1	
Hexachlorobenzene	0.245	0.238		-2.9	
Atrazine	0.234	0.232		-0.9	
Pentachlorophenol	0.162	0.150		-7.4	20.0
Phenanthrene	1.135	1.081		-4.8	
Anthracene	1.151	1.099		-4.5	
Carbazole	1.070	1.047		-2.2	
Di-n-butylphthalate	1.313	1.368		4.2	
Fluoranthene	1.361	1.364		0.2	20.0
Pyrene	1.335	1.125		-15.7	
Terphenyl-d14	1.112	0.947		-14.8	
Butylbenzylphthalate	0.585	0.551		-5.8	
3,3-Dichlorobenzidine	0.473	0.440		-7.0	
Benzo (a) anthracene	1.369	1.297		-5.3	
Chrysene	1.305	1.234		-5.4	
Bis(2-ethylhexyl)phthalate	0.856	0.821		-4.1	
Di-n-octyl phthalate	1.523	1.586		4.1	20.0
Benzo (b) fluoranthene	1.223	1.221		-0.2	
Benzo (k) fluoranthene	1.248	1.229		-1.5	
Benzo (a) pyrene	1.198	1.111		-7.3	20.0
Indeno (1,2,3-cd) pyrene	1.454	1.409		-3.1	
Dibenzo (a,h) anthracene	1.190	1.166		-2.0	
Benzo (g,h,i) perylene	1.171	1.119		-4.4	
1,2,4,5-Tetrachlorobenzene	0.606	0.578		-4.6	
1,4-Dioxane	0.520	0.527		1.3	20.0
2,3,4,6-Tetrachlorophenol	0.399	0.392		-1.8	

All other compounds must meet a minimum RRF of 0.010.