

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>YANN01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3238</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>09/30/2025 15:26</u>
Lab File ID:	<u>BP025892.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	1.273		2.7	
Benzaldehyde	0.987	1.240		25.6	
Phenol-d6	1.648	1.652		0.2	
Phenol	1.737	1.715		-1.3	20.0
bis(2-Chloroethyl)ether	1.396	1.333		-4.5	
2-Chlorophenol	1.360	1.380		1.5	
2-Methylphenol	1.171	1.154		-1.5	
2,2-oxybis(1-Chloropropane)	2.283	1.878		-17.7	
Acetophenone	0.534	0.541		1.3	
3+4-Methylphenols	1.640	1.565		-4.6	
n-Nitroso-di-n-propylamine	1.149	1.086	0.050	-5.5	
Nitrobenzene-d5	0.453	0.443		-2.2	
Hexachloroethane	0.602	0.589		-2.2	
Nitrobenzene	0.407	0.397		-2.5	
Isophorone	0.797	0.772		-3.1	
2-Nitrophenol	0.181	0.199		9.9	20.0
2,4-Dimethylphenol	0.317	0.321		1.3	
bis(2-Chloroethoxy)methane	0.461	0.462		0.2	
2,4-Dichlorophenol	0.316	0.336		6.3	20.0
Naphthalene	1.078	1.076		-0.2	
4-Chloroaniline	0.449	0.467		4.0	
Hexachlorobutadiene	0.229	0.244		6.6	20.0
Caprolactam	0.122	0.149		22.1	
4-Chloro-3-methylphenol	0.377	0.385		2.1	20.0
2-Methylnaphthalene	0.693	0.686		-1.0	
Hexachlorocyclopentadiene	0.330	0.332	0.050	0.6	
2,4,6-Trichlorophenol	0.398	0.444		11.6	20.0
2-Fluorobiphenyl	1.502	1.547		3.0	
2,4,5-Trichlorophenol	0.443	0.477		7.7	
1,1-Biphenyl	1.468	1.475		0.5	
2-Chloronaphthalene	1.156	1.171		1.3	
2-Nitroaniline	0.385	0.383		-0.5	
Dimethylphthalate	1.527	1.547		1.3	
Acenaphthylene	1.915	1.922		0.4	
2,6-Dinitrotoluene	0.324	0.339		4.6	
3-Nitroaniline	0.340	0.360		5.9	
Acenaphthene	1.104	1.098		-0.5	20.0
2,4-Dinitrophenol	0.183	0.218	0.050	19.1	
4-Nitrophenol	0.258	0.359	0.050	39.1	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.800	1.797		-0.2	
2,4-Dinitrotoluene	0.460	0.495		7.6	
Diethylphthalate	1.549	1.549		0.0	
4-Chlorophenyl-phenylether	0.721	0.753		4.4	
Fluorene	1.431	1.460		2.0	
4-Nitroaniline	0.349	0.383		9.7	
4,6-Dinitro-2-methylphenol	0.133	0.153		15.0	
n-Nitrosodiphenylamine	0.612	0.613		0.2	20.0
2,4,6-Tribromophenol	0.249	0.295		18.5	
4-Bromophenyl-phenylether	0.220	0.233		5.9	
Hexachlorobenzene	0.245	0.269		9.8	
Atrazine	0.234	0.242		3.4	
Pentachlorophenol	0.162	0.165		1.9	20.0
Phenanthrene	1.135	1.123		-1.1	
Anthracene	1.151	1.160		0.8	
Carbazole	1.070	1.081		1.0	
Di-n-butylphthalate	1.313	1.310		-0.2	
Fluoranthene	1.361	1.365		0.3	20.0
Pyrene	1.335	1.343		0.6	
Terphenyl-d14	1.112	1.160		4.3	
Butylbenzylphthalate	0.585	0.605		3.4	
3,3-Dichlorobenzidine	0.473	0.515		8.9	
Benzo (a) anthracene	1.369	1.371		0.1	
Chrysene	1.305	1.292		-1.0	
Bis(2-ethylhexyl)phthalate	0.856	0.852		-0.5	
Di-n-octyl phthalate	1.523	1.573		3.3	20.0
Benzo (b) fluoranthene	1.223	1.223		0.0	
Benzo (k) fluoranthene	1.248	1.189		-4.7	
Benzo (a) pyrene	1.198	1.193		-0.4	20.0
Indeno (1,2,3-cd) pyrene	1.454	1.499		3.1	
Dibenzo (a,h) anthracene	1.190	1.235		3.8	
Benzo (g,h,i) perylene	1.171	1.209		3.2	
1,2,4,5-Tetrachlorobenzene	0.606	0.654		7.9	
1,4-Dioxane	0.520	0.493		-5.2	20.0
2,3,4,6-Tetrachlorophenol	0.399	0.432		8.3	

All other compounds must meet a minimum RRF of 0.010.