

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2826</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>08/18/2025 10:39</u>
Lab File ID:	<u>BP025455.D</u>	Init. Calib. Date(s):	<u>08/14/2025 08/14/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>12:33 17:24</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.235		2.6	
Benzaldehyde	1.082	1.303		20.4	
Phenol-d6	1.544	1.590		3.0	
Phenol	1.620	1.656		2.2	20.0
bis(2-Chloroethyl)ether	1.263	1.286		1.8	
2-Chlorophenol	1.359	1.381		1.6	
2-Methylphenol	1.125	1.153		2.5	
2,2-oxybis(1-Chloropropane)	1.692	1.765		4.3	
Acetophenone	0.502	0.501		-0.2	
3+4-Methylphenols	1.560	1.576		1.0	
n-Nitroso-di-n-propylamine	1.023	1.040	0.050	1.7	
Nitrobenzene-d5	0.395	0.398		0.8	
Hexachloroethane	0.563	0.576		2.3	
Nitrobenzene	0.353	0.357		1.1	
Isophorone	0.700	0.685		-2.1	
2-Nitrophenol	0.181	0.183		1.1	20.0
2,4-Dimethylphenol	0.312	0.308		-1.3	
bis(2-Chloroethoxy)methane	0.423	0.425		0.5	
2,4-Dichlorophenol	0.310	0.317		2.3	20.0
Naphthalene	1.040	1.026		-1.3	
4-Chloroaniline	0.459	0.458		-0.2	
Hexachlorobutadiene	0.211	0.207		-1.9	20.0
Caprolactam	0.114	0.113		-0.9	
4-Chloro-3-methylphenol	0.355	0.363		2.3	20.0
2-Methylnaphthalene	0.676	0.668		-1.2	
Hexachlorocyclopentadiene	0.349	0.479	0.050	37.2	
2,4,6-Trichlorophenol	0.390	0.407		4.4	20.0
2-Fluorobiphenyl	1.463	1.437		-1.8	
2,4,5-Trichlorophenol	0.427	0.443		3.7	
1,1-Biphenyl	1.453	1.458		0.3	
2-Chloronaphthalene	1.131	1.121		-0.9	
2-Nitroaniline	0.329	0.352		7.0	
Dimethylphthalate	1.465	1.456		-0.6	
Acenaphthylene	1.871	1.865		-0.3	
2,6-Dinitrotoluene	0.309	0.319		3.2	
3-Nitroaniline	0.347	0.358		3.2	
Acenaphthene	1.098	1.088		-0.9	20.0
2,4-Dinitrophenol	0.165	0.167	0.050	1.2	
4-Nitrophenol	0.285	0.290	0.050	1.8	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.717		-1.1	
2,4-Dinitrotoluene	0.440	0.450		2.3	
Diethylphthalate	1.488	1.500		0.8	
4-Chlorophenyl-phenylether	0.681	0.663		-2.6	
Fluorene	1.370	1.347		-1.7	
4-Nitroaniline	0.356	0.365		2.5	
4,6-Dinitro-2-methylphenol	0.125	0.116		-7.2	
n-Nitrosodiphenylamine	0.610	0.623		2.1	20.0
2,4,6-Tribromophenol	0.269	0.270		0.4	
4-Bromophenyl-phenylether	0.220	0.224		1.8	
Hexachlorobenzene	0.255	0.253		-0.8	
Atrazine	0.228	0.233		2.2	
Pentachlorophenol	0.161	0.154		-4.3	20.0
Phenanthrene	1.099	1.124		2.3	
Anthracene	1.122	1.138		1.4	
Carbazole	1.057	1.069		1.1	
Di-n-butylphthalate	1.300	1.334		2.6	
Fluoranthene	1.311	1.325		1.1	20.0
Pyrene	1.300	1.310		0.8	
Terphenyl-d14	1.093	1.084		-0.8	
Butylbenzylphthalate	0.589	0.592		0.5	
3,3-Dichlorobenzidine	0.497	0.490		-1.4	
Benzo (a) anthracene	1.319	1.322		0.2	
Chrysene	1.235	1.263		2.3	
Bis(2-ethylhexyl)phthalate	0.867	0.880		1.5	
Di-n-octyl phthalate	1.492	1.489		-0.2	20.0
Benzo (b) fluoranthene	1.179	1.212		2.8	
Benzo (k) fluoranthene	1.180	1.195		1.3	
Benzo (a) pyrene	1.148	1.152		0.3	20.0
Indeno (1,2,3-cd) pyrene	1.467	1.451		-1.1	
Dibenzo (a,h) anthracene	1.199	1.196		-0.3	
Benzo (g,h,i) perylene	1.178	1.171		-0.6	
1,2,4,5-Tetrachlorobenzene	0.578	0.569		-1.6	
1,4-Dioxane	0.472	0.474		0.4	20.0
2,3,4,6-Tetrachlorophenol	0.377	0.395		4.8	

All other compounds must meet a minimum RRF of 0.010.