

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3083</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>09/17/2025 12:03</u>
Lab File ID:	<u>BP025769.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	1.323		6.7	
Benzaldehyde	0.987	0.805		-18.4	
Phenol-d6	1.648	1.712		3.9	
bis(2-Chloroethyl)ether	1.396	1.387		-0.6	
2,2-oxybis(1-Chloropropane)	2.283	2.159		-5.4	
Acetophenone	0.534	0.569		6.6	
n-Nitroso-di-n-propylamine	1.149	1.140	0.050	-0.8	
Nitrobenzene-d5	0.453	0.476		5.1	
Hexachloroethane	0.602	0.622		3.3	
Nitrobenzene	0.407	0.429		5.4	
Isophorone	0.797	0.808		1.4	
bis(2-Chloroethoxy)methane	0.461	0.479		3.9	
Naphthalene	1.078	1.121		4.0	
4-Chloroaniline	0.449	0.481		7.1	
Hexachlorobutadiene	0.229	0.248		8.3	20.0
Caprolactam	0.122	0.120		-1.6	
2-Methylnaphthalene	0.693	0.712		2.7	
Hexachlorocyclopentadiene	0.330	0.341	0.050	3.3	
2-Fluorobiphenyl	1.502	1.618		7.7	
1,1-Biphenyl	1.468	1.574		7.2	
2-Chloronaphthalene	1.156	1.235		6.8	
2-Nitroaniline	0.385	0.413		7.3	
Dimethylphthalate	1.527	1.567		2.6	
Acenaphthylene	1.915	2.027		5.8	
2,6-Dinitrotoluene	0.324	0.343		5.9	
3-Nitroaniline	0.340	0.368		8.2	
Acenaphthene	1.104	1.149		4.1	20.0
Dibenzofuran	1.800	1.852		2.9	
2,4-Dinitrotoluene	0.460	0.502		9.1	
Diethylphthalate	1.549	1.581		2.1	
4-Chlorophenyl-phenylether	0.721	0.742		2.9	
Fluorene	1.431	1.476		3.1	
4-Nitroaniline	0.349	0.388		11.2	
n-Nitrosodiphenylamine	0.612	0.647		5.7	20.0
2,4,6-Tribromophenol	0.249	0.276		10.8	
4-Bromophenyl-phenylether	0.220	0.239		8.6	
Hexachlorobenzene	0.245	0.263		7.3	
Atrazine	0.234	0.248		6.0	
Phenanthrene	1.135	1.161		2.3	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Anthracene	1.151	1.199		4.2	
Carbazole	1.070	1.109		3.6	
Di-n-butylphthalate	1.313	1.370		4.3	
Fluoranthene	1.361	1.439		5.7	20.0
Pyrene	1.335	1.370		2.6	
Terphenyl-d14	1.112	1.118		0.5	
Butylbenzylphthalate	0.585	0.610		4.3	
3,3-Dichlorobenzidine	0.473	0.529		11.8	
Benzo (a) anthracene	1.369	1.426		4.2	
Chrysene	1.305	1.368		4.8	
Bis (2-ethylhexyl) phthalate	0.856	0.891		4.1	
Di-n-octyl phthalate	1.523	1.585		4.1	20.0
Benzo (b) fluoranthene	1.223	1.305		6.6	
Benzo (k) fluoranthene	1.248	1.260		1.0	
Benzo (a) pyrene	1.198	1.252		4.5	20.0
Indeno (1,2,3-cd) pyrene	1.454	1.599		10.0	
Dibenzo (a,h) anthracene	1.190	1.306		9.7	
Benzo (g,h,i) perylene	1.171	1.261		7.7	
1,2,4,5-Tetrachlorobenzene	0.606	0.677		11.7	
1,4-Dioxane	0.520	0.547		5.2	20.0

All other compounds must meet a minimum RRF of 0.010.