

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2814</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>08/15/2025 10:36</u>
Lab File ID:	<u>BP025422.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	1.169		-2.9	
Benzaldehyde	1.082	1.423		31.5	
Phenol-d6	1.544	1.519		-1.6	
Phenol	1.620	1.590		-1.9	20.0
bis(2-Chloroethyl)ether	1.263	1.245		-1.4	
2-Chlorophenol	1.359	1.343		-1.2	
2-Methylphenol	1.125	1.118		-0.6	
2,2-oxybis(1-Chloropropane)	1.692	1.704		0.7	
Acetophenone	0.502	0.486		-3.2	
3+4-Methylphenols	1.560	1.543		-1.1	
n-Nitroso-di-n-propylamine	1.023	1.005	0.050	-1.8	
Nitrobenzene-d5	0.395	0.392		-0.8	
Hexachloroethane	0.563	0.557		-1.1	
Nitrobenzene	0.353	0.352		-0.3	
Isophorone	0.700	0.671		-4.1	
2-Nitrophenol	0.181	0.179		-1.1	20.0
2,4-Dimethylphenol	0.312	0.304		-2.6	
bis(2-Chloroethoxy)methane	0.423	0.405		-4.3	
2,4-Dichlorophenol	0.310	0.300		-3.2	20.0
Naphthalene	1.040	0.996		-4.2	
4-Chloroaniline	0.459	0.450		-2.0	
Hexachlorobutadiene	0.211	0.204		-3.3	20.0
Caprolactam	0.114	0.108		-5.3	
4-Chloro-3-methylphenol	0.355	0.345		-2.8	20.0
2-Methylnaphthalene	0.676	0.646		-4.4	
Hexachlorocyclopentadiene	0.349	0.352	0.050	0.9	
2,4,6-Trichlorophenol	0.390	0.383		-1.8	20.0
2-Fluorobiphenyl	1.463	1.380		-5.7	
2,4,5-Trichlorophenol	0.427	0.424		-0.7	
1,1-Biphenyl	1.453	1.404		-3.4	
2-Chloronaphthalene	1.131	1.096		-3.1	
2-Nitroaniline	0.329	0.337		2.4	
Dimethylphthalate	1.465	1.393		-4.9	
Acenaphthylene	1.871	1.799		-3.8	
2,6-Dinitrotoluene	0.309	0.314		1.6	
3-Nitroaniline	0.347	0.348		0.3	
Acenaphthene	1.098	1.035		-5.7	20.0
2,4-Dinitrophenol	0.165	0.164	0.050	-0.6	
4-Nitrophenol	0.285	0.284	0.050	-0.4	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.628		-6.2	
2,4-Dinitrotoluene	0.440	0.446		1.4	
Diethylphthalate	1.488	1.416		-4.8	
4-Chlorophenyl-phenylether	0.681	0.628		-7.8	
Fluorene	1.370	1.272		-7.2	
4-Nitroaniline	0.356	0.351		-1.4	
4,6-Dinitro-2-methylphenol	0.125	0.122		-2.4	
n-Nitrosodiphenylamine	0.610	0.587		-3.8	20.0
2,4,6-Tribromophenol	0.269	0.264		-1.9	
4-Bromophenyl-phenylether	0.220	0.210		-4.5	
Hexachlorobenzene	0.255	0.242		-5.1	
Atrazine	0.228	0.216		-5.3	
Pentachlorophenol	0.161	0.164		1.9	20.0
Phenanthrene	1.099	1.040		-5.4	
Anthracene	1.122	1.069		-4.7	
Carbazole	1.057	0.992		-6.1	
Di-n-butylphthalate	1.300	1.246		-4.2	
Fluoranthene	1.311	1.236		-5.7	20.0
Pyrene	1.300	1.231		-5.3	
Terphenyl-d14	1.093	1.026		-6.1	
Butylbenzylphthalate	0.589	0.555		-5.8	
3,3-Dichlorobenzidine	0.497	0.473		-4.8	
Benzo (a) anthracene	1.319	1.247		-5.5	
Chrysene	1.235	1.170		-5.3	
Bis(2-ethylhexyl)phthalate	0.867	0.803		-7.4	
Di-n-octyl phthalate	1.492	1.381		-7.4	20.0
Benzo (b) fluoranthene	1.179	1.145		-2.9	
Benzo (k) fluoranthene	1.180	1.134		-3.9	
Benzo (a) pyrene	1.148	1.114		-3.0	20.0
Indeno (1,2,3-cd) pyrene	1.467	1.433		-2.3	
Dibenzo (a,h) anthracene	1.199	1.183		-1.3	
Benzo (g,h,i) perylene	1.178	1.156		-1.9	
1,2,4,5-Tetrachlorobenzene	0.578	0.559		-3.3	
1,4-Dioxane	0.472	0.440		-6.8	20.0
2,3,4,6-Tetrachlorophenol	0.377	0.377		0.0	

All other compounds must meet a minimum RRF of 0.010.