

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>EARTH03</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2818</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>08/12/2025 10:07</u>
Lab File ID:	<u>BP025360.D</u>	Init. Calib. Date(s):	<u>08/05/2025 08/05/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>12:03 16:51</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.244	1.253		0.7	
Benzaldehyde	1.162	1.287		10.8	
Phenol-d6	1.637	1.559		-4.8	
Phenol	1.751	1.628		-7.0	20.0
bis(2-Chloroethyl)ether	1.372	1.295		-5.6	
2-Chlorophenol	1.361	1.382		1.5	
2-Methylphenol	1.172	1.125		-4.0	
2,2-oxybis(1-Chloropropane)	2.167	1.825		-15.8	
Acetophenone	0.502	0.507		1.0	
3+4-Methylphenols	1.613	1.517		-6.0	
n-Nitroso-di-n-propylamine	1.075	1.014	0.050	-5.7	
Nitrobenzene-d5	0.361	0.396		9.7	
Hexachloroethane	0.553	0.575		4.0	
Nitrobenzene	0.342	0.354		3.5	
Isophorone	0.719	0.703		-2.2	
2-Nitrophenol	0.126	0.183		45.2	20.0
2,4-Dimethylphenol	0.331	0.314		-5.1	
bis(2-Chloroethoxy)methane	0.437	0.430		-1.6	
2,4-Dichlorophenol	0.290	0.302		4.1	20.0
Naphthalene	1.038	1.049		1.1	
4-Chloroaniline	0.462	0.446		-3.5	
Hexachlorobutadiene	0.184	0.200		8.7	20.0
Caprolactam	0.113	0.112		-0.9	
4-Chloro-3-methylphenol	0.336	0.336		0.0	20.0
2-Methylnaphthalene	0.672	0.673		0.1	
Hexachlorocyclopentadiene	0.337	0.372	0.050	10.4	
2,4,6-Trichlorophenol	0.353	0.390		10.5	20.0
2-Fluorobiphenyl	1.448	1.461		0.9	
2,4,5-Trichlorophenol	0.396	0.424		7.1	
1,1-Biphenyl	1.474	1.484		0.7	
2-Chloronaphthalene	1.124	1.145		1.9	
2-Nitroaniline	0.288	0.333		15.6	
Dimethylphthalate	1.458	1.456		-0.1	
Acenaphthylene	1.876	1.888		0.6	
2,6-Dinitrotoluene	0.269	0.319		18.6	
3-Nitroaniline	0.315	0.360		14.3	
Acenaphthene	1.144	1.186		3.7	20.0
2,4-Dinitrophenol	0.105	0.148	0.050	41.0	
4-Nitrophenol	0.278	0.270	0.050	-2.9	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.710	1.714		0.2	
2,4-Dinitrotoluene	0.359	0.449		25.1	
Diethylphthalate	1.470	1.467		-0.2	
4-Chlorophenyl-phenylether	0.637	0.652		2.4	
Fluorene	1.343	1.351		0.6	
4-Nitroaniline	0.312	0.355		13.8	
4,6-Dinitro-2-methylphenol	0.080	0.122		52.5	
n-Nitrosodiphenylamine	0.609	0.638		4.8	20.0
2,4,6-Tribromophenol	0.200	0.248		24.0	
4-Bromophenyl-phenylether	0.201	0.218		8.5	
Hexachlorobenzene	0.226	0.244		8.0	
Atrazine	0.214	0.229		7.0	
Pentachlorophenol	0.144	0.156		8.3	20.0
Phenanthrene	1.095	1.119		2.2	
Anthracene	1.105	1.153		4.3	
Carbazole	1.060	1.083		2.2	
Di-n-butylphthalate	1.283	1.348		5.1	
Fluoranthene	1.268	1.294		2.0	20.0
Pyrene	1.330	1.316		-1.1	
Terphenyl-d14	1.059	1.074		1.4	
Butylbenzylphthalate	0.539	0.632		17.3	
3,3-Dichlorobenzidine	0.469	0.514		9.6	
Benzo (a) anthracene	1.329	1.325		-0.3	
Chrysene	1.233	1.250		1.4	
Bis(2-ethylhexyl)phthalate	0.861	0.952		10.6	
Di-n-octyl phthalate	1.442	1.664		15.4	20.0
Benzo (b) fluoranthene	1.197	1.187		-0.8	
Benzo (k) fluoranthene	1.187	1.194		0.6	
Benzo (a) pyrene	1.153	1.171		1.6	20.0
Indeno (1,2,3-cd) pyrene	1.434	1.490		3.9	
Dibenzo (a,h) anthracene	1.174	1.223		4.2	
Benzo (g,h,i) perylene	1.152	1.185		2.9	
1,2,4,5-Tetrachlorobenzene	0.546	0.572		4.8	
1,4-Dioxane	0.491	0.502		2.2	20.0
2,3,4,6-Tetrachlorophenol	0.331	0.366		10.6	

All other compounds must meet a minimum RRF of 0.010.