

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>08/13/2025 09:51</u>
Lab File ID:	<u>BP025377.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	1.214		-2.4	
Benzaldehyde	1.162	1.250		7.6	
Phenol-d6	1.637	1.529		-6.6	
Phenol	1.751	1.711		-2.3	20.0
bis(2-Chloroethyl)ether	1.372	1.298		-5.4	
2-Chlorophenol	1.361	1.481		8.8	
2-Methylphenol	1.172	1.142		-2.6	
2,2-oxybis(1-Chloropropane)	2.167	1.731		-20.1	
Acetophenone	0.502	0.503		0.2	
3+4-Methylphenols	1.613	1.533		-5.0	
n-Nitroso-di-n-propylamine	1.075	1.030	0.050	-4.2	
Nitrobenzene-d5	0.361	0.407		12.7	
Hexachloroethane	0.553	0.570		3.1	
Nitrobenzene	0.342	0.358		4.7	
Isophorone	0.719	0.697		-3.1	
2-Nitrophenol	0.126	0.187		48.4	20.0
2,4-Dimethylphenol	0.331	0.319		-3.6	
bis(2-Chloroethoxy)methane	0.437	0.425		-2.7	
2,4-Dichlorophenol	0.290	0.306		5.5	20.0
Naphthalene	1.038	1.062		2.3	
4-Chloroaniline	0.462	0.446		-3.5	
Hexachlorobutadiene	0.184	0.215		16.8	20.0
Caprolactam	0.113	0.109		-3.5	
4-Chloro-3-methylphenol	0.336	0.364		8.3	20.0
2-Methylnaphthalene	0.672	0.678		0.9	
Hexachlorocyclopentadiene	0.337	0.381	0.050	13.1	
2,4,6-Trichlorophenol	0.353	0.403		14.2	20.0
2-Fluorobiphenyl	1.448	1.545		6.7	
2,4,5-Trichlorophenol	0.396	0.445		12.4	
1,1-Biphenyl	1.474	1.514		2.7	
2-Chloronaphthalene	1.124	1.198		6.6	
2-Nitroaniline	0.288	0.346		20.1	
Dimethylphthalate	1.458	1.489		2.1	
Acenaphthylene	1.876	1.942		3.5	
2,6-Dinitrotoluene	0.269	0.325		20.8	
3-Nitroaniline	0.315	0.358		13.7	
Acenaphthene	1.144	1.121		-2.0	20.0
2,4-Dinitrophenol	0.105	0.160	0.050	52.4	
4-Nitrophenol	0.278	0.293	0.050	5.4	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.710	1.758		2.8	
2,4-Dinitrotoluene	0.359	0.474		32.0	
Diethylphthalate	1.470	1.490		1.4	
4-Chlorophenyl-phenylether	0.637	0.684		7.4	
Fluorene	1.343	1.393		3.7	
4-Nitroaniline	0.312	0.358		14.7	
4,6-Dinitro-2-methylphenol	0.080	0.126		57.5	
n-Nitrosodiphenylamine	0.609	0.623		2.3	20.0
2,4,6-Tribromophenol	0.200	0.266		33.0	
4-Bromophenyl-phenylether	0.201	0.220		9.5	
Hexachlorobenzene	0.226	0.253		11.9	
Atrazine	0.214	0.227		6.1	
Pentachlorophenol	0.144	0.178		23.6	20.0
Phenanthrene	1.095	1.128		3.0	
Anthracene	1.105	1.151		4.2	
Carbazole	1.060	1.071		1.0	
Di-n-butylphthalate	1.283	1.344		4.8	
Fluoranthene	1.268	1.308		3.2	20.0
Pyrene	1.330	1.359		2.2	
Terphenyl-d14	1.059	1.119		5.7	
Butylbenzylphthalate	0.539	0.607		12.6	
3,3-Dichlorobenzidine	0.469	0.508		8.3	
Benzo (a) anthracene	1.329	1.347		1.4	
Chrysene	1.233	1.266		2.7	
Bis(2-ethylhexyl)phthalate	0.861	0.909		5.6	
Di-n-octyl phthalate	1.442	1.602		11.1	20.0
Benzo (b) fluoranthene	1.197	1.203		0.5	
Benzo (k) fluoranthene	1.187	1.175		-1.0	
Benzo (a) pyrene	1.153	1.161		0.7	20.0
Indeno (1,2,3-cd) pyrene	1.434	1.534		7.0	
Dibenzo (a,h) anthracene	1.174	1.254		6.8	
Benzo (g,h,i) perylene	1.152	1.228		6.6	
1,2,4,5-Tetrachlorobenzene	0.546	0.607		11.2	
1,4-Dioxane	0.491	0.473		-3.7	20.0
2,3,4,6-Tetrachlorophenol	0.331	0.386		16.6	

All other compounds must meet a minimum RRF of 0.010.