

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2553</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>07/14/2025 15:36</u>
Lab File ID:	<u>BP025121.D</u>	Init. Calib. Date(s):	<u>07/03/2025 07/03/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:39 14:31</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.129	1.125		-0.4	
Benzaldehyde	0.769	0.755		-1.8	
Phenol-d6	1.473	1.478		0.3	
Phenol	1.497	1.478		-1.3	20.0
bis(2-Chloroethyl)ether	1.152	1.122		-2.6	
2-Chlorophenol	1.263	1.279		1.3	
2-Methylphenol	0.964	0.983		2.0	
2,2-oxybis(1-Chloropropane)	1.498	1.393		-7.0	
Acetophenone	0.473	0.457		-3.4	
3+4-Methylphenols	1.350	1.378		2.1	
n-Nitroso-di-n-propylamine	0.874	0.865	0.050	-1.0	
Nitrobenzene-d5	0.301	0.310		3.0	
Hexachloroethane	0.466	0.484		3.9	
Nitrobenzene	0.306	0.313		2.3	
Isophorone	0.562	0.563		0.2	
2-Nitrophenol	0.128	0.162		26.6	20.0
2,4-Dimethylphenol	0.210	0.210		0.0	
bis(2-Chloroethoxy)methane	0.382	0.377		-1.3	
2,4-Dichlorophenol	0.291	0.304		4.5	20.0
Naphthalene	1.030	1.009		-2.0	
4-Chloroaniline	0.384	0.382		-0.5	
Hexachlorobutadiene	0.185	0.191		3.2	20.0
Caprolactam	0.099	0.099		0.0	
4-Chloro-3-methylphenol	0.304	0.316		3.9	20.0
2-Methylnaphthalene	0.727	0.721		-0.8	
Hexachlorocyclopentadiene	0.150	0.177	0.050	18.0	
2,4,6-Trichlorophenol	0.348	0.382		9.8	20.0
2-Fluorobiphenyl	1.291	1.270		-1.6	
2,4,5-Trichlorophenol	0.394	0.423		7.4	
1,1-Biphenyl	1.455	1.436		-1.3	
2-Chloronaphthalene	1.094	1.091		-0.3	
2-Nitroaniline	0.237	0.274		15.6	
Dimethylphthalate	1.400	1.391		-0.6	
Acenaphthylene	1.674	1.692		1.1	
2,6-Dinitrotoluene	0.273	0.302		10.6	
3-Nitroaniline	0.293	0.327		11.6	
Acenaphthene	1.079	1.059		-1.9	20.0
2,4-Dinitrophenol	0.114	0.138	0.050	21.1	
4-Nitrophenol	0.270	0.286	0.050	5.9	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.781	1.754		-1.5	
2,4-Dinitrotoluene	0.356	0.417		17.1	
Diethylphthalate	1.406	1.429		1.6	
4-Chlorophenyl-phenylether	0.682	0.682		0.0	
Fluorene	1.377	1.369		-0.6	
4-Nitroaniline	0.307	0.337		9.8	
4,6-Dinitro-2-methylphenol	0.082	0.098		19.5	
n-Nitrosodiphenylamine	0.572	0.575		0.5	20.0
2,4,6-Tribromophenol	0.236	0.267		13.1	
4-Bromophenyl-phenylether	0.205	0.215		4.9	
Hexachlorobenzene	0.250	0.254		1.6	
Atrazine	0.168	0.150		-10.7	
Pentachlorophenol	0.169	0.187		10.7	20.0
Phenanthrene	1.069	1.053		-1.5	
Anthracene	1.025	1.012		-1.3	
Carbazole	1.002	0.986		-1.6	
Di-n-butylphthalate	1.116	1.218		9.1	
Fluoranthene	1.249	1.251		0.2	20.0
Pyrene	1.239	1.251		1.0	
Terphenyl-d14	0.910	0.915		0.5	
Butylbenzylphthalate	0.402	0.518		28.9	
3,3-Dichlorobenzidine	0.365	0.418		14.5	
Benzo (a) anthracene	1.212	1.203		-0.7	
Chrysene	1.166	1.150		-1.4	
Bis(2-ethylhexyl)phthalate	0.650	0.766		17.8	
Di-n-octyl phthalate	1.054	1.279		21.3	20.0
Benzo (b) fluoranthene	1.164	1.179		1.3	
Benzo (k) fluoranthene	1.158	1.129		-2.5	
Benzo (a) pyrene	0.991	1.024		3.3	20.0
Indeno (1,2,3-cd) pyrene	1.274	1.315		3.2	
Dibenzo (a,h) anthracene	1.053	1.085		3.0	
Benzo (g,h,i) perylene	1.088	1.106		1.7	
1,2,4,5-Tetrachlorobenzene	0.575	0.590		2.6	
1,4-Dioxane	0.439	0.407		-7.3	20.0
2,3,4,6-Tetrachlorophenol	0.357	0.390		9.2	

All other compounds must meet a minimum RRF of 0.010.