

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2820</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>08/20/2025 10:41</u>
Lab File ID:	<u>BP025502.D</u>	Init. Calib. Date(s):	<u>08/14/2025 08/14/2025</u>
EPA Sample No.:	<u>SSTDCCC040EC</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	1.219		1.2	50.0
Benzaldehyde	1.082	0.644		-40.5	50.0
Phenol-d6	1.544	1.572		1.8	50.0
Phenol	1.620	1.653		2.0	50.0
bis(2-Chloroethyl)ether	1.263	1.267		0.3	50.0
2-Chlorophenol	1.359	1.359		0.0	50.0
2-Methylphenol	1.125	1.140		1.3	50.0
2,2-oxybis(1-Chloropropane)	1.692	1.764		4.3	50.0
Acetophenone	0.502	0.501		-0.2	50.0
3+4-Methylphenols	1.560	1.551		-0.6	50.0
n-Nitroso-di-n-propylamine	1.023	1.028	0.050	0.5	50.0
Nitrobenzene-d5	0.395	0.403		2.0	50.0
Hexachloroethane	0.563	0.577		2.5	50.0
Nitrobenzene	0.353	0.356		0.9	50.0
Isophorone	0.700	0.700		0.0	50.0
2-Nitrophenol	0.181	0.180		-0.6	50.0
2,4-Dimethylphenol	0.312	0.312		0.0	50.0
bis(2-Chloroethoxy)methane	0.423	0.417		-1.4	50.0
2,4-Dichlorophenol	0.310	0.314		1.3	50.0
Naphthalene	1.040	1.013		-2.6	50.0
4-Chloroaniline	0.459	0.455		-0.9	50.0
Hexachlorobutadiene	0.211	0.211		0.0	50.0
Caprolactam	0.114	0.110		-3.5	50.0
4-Chloro-3-methylphenol	0.355	0.357		0.6	50.0
2-Methylnaphthalene	0.676	0.655		-3.1	50.0
Hexachlorocyclopentadiene	0.349	0.364	0.050	4.3	50.0
2,4,6-Trichlorophenol	0.390	0.399		2.3	50.0
2-Fluorobiphenyl	1.463	1.455		-0.5	50.0
2,4,5-Trichlorophenol	0.427	0.438		2.6	50.0
1,1-Biphenyl	1.453	1.441		-0.8	50.0
2-Chloronaphthalene	1.131	1.125		-0.5	50.0
2-Nitroaniline	0.329	0.352		7.0	50.0
Dimethylphthalate	1.465	1.455		-0.7	50.0
Acenaphthylene	1.871	1.865		-0.3	50.0
2,6-Dinitrotoluene	0.309	0.317		2.6	50.0
3-Nitroaniline	0.347	0.356		2.6	50.0
Acenaphthene	1.098	1.090		-0.7	50.0
2,4-Dinitrophenol	0.165	0.178	0.050	7.9	50.0
4-Nitrophenol	0.285	0.289	0.050	1.4	50.0

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.703		-1.9	50.0
2,4-Dinitrotoluene	0.440	0.456		3.6	50.0
Diethylphthalate	1.488	1.507		1.3	50.0
4-Chlorophenyl-phenylether	0.681	0.663		-2.6	50.0
Fluorene	1.370	1.316		-3.9	50.0
4-Nitroaniline	0.356	0.361		1.4	50.0
4,6-Dinitro-2-methylphenol	0.125	0.131		4.8	50.0
n-Nitrosodiphenylamine	0.610	0.612		0.3	50.0
2,4,6-Tribromophenol	0.269	0.271		0.7	50.0
4-Bromophenyl-phenylether	0.220	0.221		0.5	50.0
Hexachlorobenzene	0.255	0.254		-0.4	50.0
Atrazine	0.228	0.229		0.4	50.0
Pentachlorophenol	0.161	0.171		6.2	50.0
Phenanthrene	1.099	1.073		-2.4	50.0
Anthracene	1.122	1.104		-1.6	50.0
Carbazole	1.057	1.038		-1.8	50.0
Di-n-butylphthalate	1.300	1.312		0.9	50.0
Fluoranthene	1.311	1.295		-1.2	50.0
Pyrene	1.300	1.234		-5.1	50.0
Terphenyl-d14	1.093	1.063		-2.7	50.0
Butylbenzylphthalate	0.589	0.598		1.5	50.0
3,3-Dichlorobenzidine	0.497	0.488		-1.8	50.0
Benzo (a) anthracene	1.319	1.290		-2.2	50.0
Chrysene	1.235	1.218		-1.4	50.0
Bis(2-ethylhexyl)phthalate	0.867	0.889		2.5	50.0
Di-n-octyl phthalate	1.492	1.539		3.2	50.0
Benzo (b) fluoranthene	1.179	1.173		-0.5	50.0
Benzo (k) fluoranthene	1.180	1.196		1.4	50.0
Benzo (a) pyrene	1.148	1.133		-1.3	50.0
Indeno (1,2,3-cd) pyrene	1.467	1.427		-2.7	50.0
Dibenzo (a,h) anthracene	1.199	1.179		-1.7	50.0
Benzo (g,h,i) perylene	1.178	1.139		-3.3	50.0
1,2,4,5-Tetrachlorobenzene	0.578	0.586		1.4	50.0
1,4-Dioxane	0.472	0.487		3.2	50.0
2,3,4,6-Tetrachlorophenol	0.377	0.383		1.6	50.0

All other compounds must meet a minimum RRF of 0.010.