

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>HDRI08</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3649</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>11/17/2025 12:52</u>
Lab File ID:	<u>BF144263.D</u>	Init. Calib. Date(s):	<u>11/05/2025 11/05/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>12:50 16:49</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18 (mm)</u>

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.278	1.288		0.8	
Benzaldehyde	0.818	0.948		15.9	
Phenol-d6	1.448	1.397		-3.5	
Phenol	1.769	1.747		-1.2	20.0
bis(2-Chloroethyl)ether	1.289	1.229		-4.7	
2-Chlorophenol	1.253	1.228		-2.0	
2-Methylphenol	0.997	0.962		-3.5	
2,2-oxybis(1-Chloropropane)	2.374	2.236		-5.8	
Acetophenone	0.429	0.417		-2.8	
3+4-Methylphenols	1.175	1.137		-3.2	
n-Nitroso-di-n-propylamine	0.953	0.882	0.050	-7.4	
Nitrobenzene-d5	0.346	0.347		0.3	
Hexachloroethane	0.515	0.497		-3.5	
Nitrobenzene	0.376	0.369		-1.9	
Isophorone	0.655	0.616		-6.0	
2-Nitrophenol	0.186	0.190		2.2	20.0
2,4-Dimethylphenol	0.279	0.283		1.4	
bis(2-Chloroethoxy)methane	0.409	0.399		-2.4	
2,4-Dichlorophenol	0.322	0.319		-0.9	20.0
Naphthalene	0.951	0.934		-1.8	
4-Chloroaniline	0.347	0.342		-1.4	
Hexachlorobutadiene	0.249	0.240		-3.6	20.0
Caprolactam	0.088	0.083		-5.7	
4-Chloro-3-methylphenol	0.288	0.284		-1.4	20.0
2-Methylnaphthalene	0.636	0.625		-1.7	
Hexachlorocyclopentadiene	0.195	0.203	0.050	4.1	
2,4,6-Trichlorophenol	0.446	0.429		-3.8	20.0
2-Fluorobiphenyl	1.354	1.309		-3.3	
2,4,5-Trichlorophenol	0.481	0.462		-4.0	
1,1-Biphenyl	1.396	1.346		-3.6	
2-Chloronaphthalene	1.191	1.146		-3.8	
2-Nitroaniline	0.344	0.335		-2.6	
Dimethylphthalate	1.325	1.232		-7.0	
Acenaphthylene	1.623	1.574		-3.0	
2,6-Dinitrotoluene	0.268	0.259		-3.4	
3-Nitroaniline	0.293	0.276		-5.8	
Acenaphthene	1.085	1.050		-3.2	20.0
2,4-Dinitrophenol	0.162	0.177	0.050	9.3	
4-Nitrophenol	0.212	0.194	0.050	-8.5	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.520	1.452		-4.5	
2,4-Dinitrotoluene	0.359	0.334		-7.0	
Diethylphthalate	1.221	1.093		-10.5	
4-Chlorophenyl-phenylether	0.658	0.610		-7.3	
Fluorene	1.156	1.102		-4.7	
4-Nitroaniline	0.279	0.248		-11.1	
4,6-Dinitro-2-methylphenol	0.136	0.112		-17.6	
n-Nitrosodiphenylamine	0.643	0.657		2.2	20.0
2,4,6-Tribromophenol	0.251	0.225		-10.4	
4-Bromophenyl-phenylether	0.255	0.248		-2.7	
Hexachlorobenzene	0.301	0.291		-3.3	
Atrazine	0.205	0.175		-14.6	
Pentachlorophenol	0.150	0.159		6.0	20.0
Phenanthrene	0.996	0.975		-2.1	
Anthracene	1.013	0.968		-4.4	
Carbazole	0.861	0.794		-7.8	
Di-n-butylphthalate	1.041	0.882		-15.3	
Fluoranthene	1.029	0.909		-11.7	20.0
Pyrene	1.613	1.489		-7.7	
Terphenyl-d14	1.259	1.128		-10.4	
Butylbenzylphthalate	0.559	0.482		-13.8	
3,3-Dichlorobenzidine	0.475	0.503		5.9	
Benzo (a) anthracene	1.386	1.430		3.2	
Chrysene	1.280	1.212		-5.3	
Bis(2-ethylhexyl)phthalate	0.765	0.635		-17.0	
Di-n-octyl phthalate	1.320	1.270		-3.8	20.0
Benzo (b) fluoranthene	1.137	1.167		2.6	
Benzo (k) fluoranthene	1.064	0.913		-14.2	
Benzo (a) pyrene	1.049	1.003		-4.4	20.0
Indeno (1,2,3-cd) pyrene	1.436	1.372		-4.5	
Dibenzo (a,h) anthracene	1.153	1.095		-5.0	
Benzo (g,h,i) perylene	1.139	1.078		-5.4	
1,2,4,5-Tetrachlorobenzene	0.655	0.638		-2.6	
1,4-Dioxane	0.528	0.529		0.2	20.0
2,3,4,6-Tetrachlorophenol	0.340	0.314		-7.6	

All other compounds must meet a minimum RRF of 0.010.