

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>REMI01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3742</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>12/02/2025 14:31</u>
Lab File ID:	<u>BP026207.D</u>	Init. Calib. Date(s):	<u>11/18/2025 11/18/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>14:31 21:22</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.246	1.209		-3.0	
Benzaldehyde	0.831	0.863		3.9	
Phenol-d6	1.586	1.519		-4.2	
Phenol	1.709	1.629		-4.7	20.0
bis(2-Chloroethyl)ether	1.338	1.301		-2.8	
2-Chlorophenol	1.418	1.403		-1.1	
2-Methylphenol	1.163	1.121		-3.6	
2,2-oxybis(1-Chloropropane)	1.879	1.853		-1.4	
Acetophenone	0.508	0.496		-2.4	
3+4-Methylphenols	1.612	1.512		-6.2	
n-Nitroso-di-n-propylamine	0.985	0.939	0.050	-4.7	
Nitrobenzene-d5	0.352	0.347		-1.4	
Hexachloroethane	0.560	0.575		2.7	
Nitrobenzene	0.356	0.349		-2.0	
Isophorone	0.698	0.664		-4.9	
2-Nitrophenol	0.180	0.181		0.6	20.0
2,4-Dimethylphenol	0.325	0.287		-11.7	
bis(2-Chloroethoxy)methane	0.437	0.420		-3.9	
2,4-Dichlorophenol	0.325	0.323		-0.6	20.0
Naphthalene	1.081	1.075		-0.6	
4-Chloroaniline	0.460	0.436		-5.2	
Hexachlorobutadiene	0.215	0.228		6.0	20.0
Caprolactam	0.116	0.105		-9.5	
4-Chloro-3-methylphenol	0.345	0.335		-2.9	20.0
2-Methylnaphthalene	0.766	0.760		-0.8	
Hexachlorocyclopentadiene	0.396	0.321	0.050	-18.9	
2,4,6-Trichlorophenol	0.415	0.416		0.2	20.0
2-Fluorobiphenyl	1.365	1.384		1.4	
2,4,5-Trichlorophenol	0.463	0.461		-0.4	
1,1-Biphenyl	1.506	1.471		-2.3	
2-Chloronaphthalene	1.184	1.167		-1.4	
2-Nitroaniline	0.329	0.314		-4.6	
Dimethylphthalate	1.494	1.478		-1.1	
Acenaphthylene	1.953	1.939		-0.7	
2,6-Dinitrotoluene	0.296	0.306		3.4	
3-Nitroaniline	0.349	0.329		-5.7	
Acenaphthene	1.145	1.122		-2.0	20.0
2,4-Dinitrophenol	0.179	0.163	0.050	-8.9	
4-Nitrophenol	0.315	0.280	0.050	-11.1	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.773	1.783		0.6	
2,4-Dinitrotoluene	0.442	0.451		2.0	
Diethylphthalate	1.505	1.523		1.2	
4-Chlorophenyl-phenylether	0.697	0.712		2.2	
Fluorene	1.401	1.402		0.1	
4-Nitroaniline	0.362	0.340		-6.1	
4,6-Dinitro-2-methylphenol	0.127	0.122		-3.9	
n-Nitrosodiphenylamine	0.619	0.607		-1.9	20.0
2,4,6-Tribromophenol	0.259	0.276		6.6	
4-Bromophenyl-phenylether	0.221	0.225		1.8	
Hexachlorobenzene	0.257	0.264		2.7	
Atrazine	0.233	0.236		1.3	
Pentachlorophenol	0.180	0.179		-0.6	20.0
Phenanthrene	1.127	1.119		-0.7	
Anthracene	1.149	1.167		1.6	
Carbazole	1.091	1.083		-0.7	
Di-n-butylphthalate	1.294	1.331		2.9	
Fluoranthene	1.369	1.418		3.6	20.0
Pyrene	1.311	1.345		2.6	
Terphenyl-d14	0.981	1.065		8.6	
Butylbenzylphthalate	0.578	0.610		5.5	
3,3-Dichlorobenzidine	0.500	0.463		-7.4	
Benzo (a) anthracene	1.374	1.363		-0.8	
Chrysene	1.295	1.302		0.5	
Bis(2-ethylhexyl)phthalate	0.874	0.949		8.6	
Di-n-octyl phthalate	1.529	1.538		0.6	20.0
Benzo (b) fluoranthene	1.218	1.297		6.5	
Benzo (k) fluoranthene	1.217	1.350		10.9	
Benzo (a) pyrene	1.154	1.179		2.2	20.0
Indeno (1,2,3-cd) pyrene	1.500	1.386		-7.6	
Dibenzo (a,h) anthracene	1.228	1.138		-7.3	
Benzo (g,h,i) perylene	1.220	1.135		-7.0	
1,2,4,5-Tetrachlorobenzene	0.605	0.623		3.0	
1,4-Dioxane	0.505	0.489		-3.2	20.0
2,3,4,6-Tetrachlorophenol	0.393	0.399		1.5	

All other compounds must meet a minimum RRF of 0.010.