

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AEC002</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3375</u>
Instrument ID:	<u>BNA_G</u>	Calibration Date/Time:	<u>10/20/2025 12:44</u>
Lab File ID:	<u>BG064547.D</u>	Init. Calib. Date(s):	<u>10/02/2025 10/02/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:01 15:49</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.081	1.194		10.5	
Benzaldehyde	1.290	1.393		8.0	
Phenol-d6	1.452	1.610		10.9	
Phenol	1.532	1.641		7.1	20.0
bis(2-Chloroethyl)ether	1.038	1.092		5.2	
2-Chlorophenol	1.327	1.449		9.2	
2-Methylphenol	1.109	1.242		12.0	
2,2-oxybis(1-Chloropropane)	1.672	1.575		-5.8	
Acetophenone	0.484	0.526		8.7	
3+4-Methylphenols	1.548	1.686		8.9	
n-Nitroso-di-n-propylamine	0.971	1.105	0.050	13.8	
Nitrobenzene-d5	0.372	0.403		8.3	
Hexachloroethane	0.575	0.619		7.7	
Nitrobenzene	0.371	0.388		4.6	
Isophorone	0.674	0.707		4.9	
2-Nitrophenol	0.185	0.203		9.7	20.0
2,4-Dimethylphenol	0.282	0.312		10.6	
bis(2-Chloroethoxy)methane	0.343	0.365		6.4	
2,4-Dichlorophenol	0.326	0.358		9.8	20.0
Naphthalene	1.030	1.119		8.6	
4-Chloroaniline	0.395	0.412		4.3	
Hexachlorobutadiene	0.304	0.337		10.9	20.0
Caprolactam	0.112	0.118		5.4	
4-Chloro-3-methylphenol	0.397	0.427		7.6	20.0
2-Methylnaphthalene	0.791	0.842		6.4	
Hexachlorocyclopentadiene	0.338	0.380	0.050	12.4	
2,4,6-Trichlorophenol	0.413	0.471		14.0	20.0
2-Fluorobiphenyl	1.357	1.453		7.1	
2,4,5-Trichlorophenol	0.461	0.485		5.2	
1,1-Biphenyl	1.438	1.493		3.8	
2-Chloronaphthalene	1.074	1.136		5.8	
2-Nitroaniline	0.367	0.404		10.1	
Dimethylphthalate	1.566	1.653		5.6	
Acenaphthylene	1.594	1.720		7.9	
2,6-Dinitrotoluene	0.326	0.349		7.1	
3-Nitroaniline	0.301	0.316		5.0	
Acenaphthene	1.108	1.160		4.7	20.0
2,4-Dinitrophenol	0.237	0.201	0.050	-15.2	
4-Nitrophenol	0.237	0.224	0.050	-5.5	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.829	1.957		7.0	
2,4-Dinitrotoluene	0.499	0.527		5.6	
Diethylphthalate	1.680	1.793		6.7	
4-Chlorophenyl-phenylether	0.830	0.883		6.4	
Fluorene	1.520	1.623		6.8	
4-Nitroaniline	0.314	0.338		7.6	
4,6-Dinitro-2-methylphenol	0.139	0.145		4.3	
n-Nitrosodiphenylamine	0.534	0.568		6.4	20.0
2,4,6-Tribromophenol	0.363	0.393		8.3	
4-Bromophenyl-phenylether	0.235	0.253		7.7	
Hexachlorobenzene	0.269	0.296		10.0	
Atrazine	0.238	0.240		0.8	
Pentachlorophenol	0.157	0.169		7.6	20.0
Phenanthrene	1.046	1.100		5.2	
Anthracene	1.049	1.130		7.7	
Carbazole	0.907	0.960		5.8	
Di-n-butylphthalate	1.107	1.175		6.1	
Fluoranthene	1.250	1.308		4.6	20.0
Pyrene	1.298	1.355		4.4	
Terphenyl-d14	1.057	1.133		7.2	
Butylbenzylphthalate	0.460	0.496		7.8	
3,3-Dichlorobenzidine	0.432	0.455		5.3	
Benzo (a) anthracene	1.277	1.361		6.6	
Chrysene	1.211	1.287		6.3	
Bis(2-ethylhexyl)phthalate	0.649	0.709		9.2	
Di-n-octyl phthalate	1.091	1.198		9.8	20.0
Benzo (b) fluoranthene	1.138	1.217		6.9	
Benzo (k) fluoranthene	1.146	1.257		9.7	
Benzo (a) pyrene	1.049	1.138		8.5	20.0
Indeno (1,2,3-cd) pyrene	1.392	1.498		7.6	
Dibenzo (a,h) anthracene	1.113	1.205		8.3	
Benzo (g,h,i) perylene	1.082	1.159		7.1	
1,2,4,5-Tetrachlorobenzene	0.646	0.669		3.6	
1,4-Dioxane	0.427	0.377		-11.7	20.0
2,3,4,6-Tetrachlorophenol	0.470	0.507		7.9	

All other compounds must meet a minimum RRF of 0.010.