

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3434</u>
Instrument ID:	<u>BNA_G</u>	Calibration Date/Time:	<u>10/30/2025 11:36</u>
Lab File ID:	<u>BG064636.D</u>	Init. Calib. Date(s):	<u>10/24/2025 10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:00 15:32</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.192	1.233		3.4	
Benzaldehyde	0.893	0.861		-3.6	
Phenol-d6	1.635	1.603		-2.0	
Phenol	1.808	1.761		-2.6	20.0
bis(2-Chloroethyl)ether	1.329	1.296		-2.5	
2-Chlorophenol	1.247	1.369		9.8	
2-Methylphenol	1.201	1.221		1.7	
2,2-oxybis(1-Chloropropane)	3.487	3.562		2.2	
Acetophenone	0.547	0.558		2.0	
3+4-Methylphenols	1.688	1.620		-4.0	
n-Nitroso-di-n-propylamine	1.130	1.116	0.050	-1.2	
Nitrobenzene-d5	0.333	0.420		26.1	
Hexachloroethane	0.512	0.586		14.5	
Nitrobenzene	0.362	0.438		21.0	
Isophorone	0.799	0.808		1.1	
2-Nitrophenol	0.121	0.180		48.8	20.0
2,4-Dimethylphenol	0.297	0.320		7.7	
bis(2-Chloroethoxy)methane	0.455	0.460		1.1	
2,4-Dichlorophenol	0.320	0.361		12.8	20.0
Naphthalene	1.109	1.158		4.4	
4-Chloroaniline	0.431	0.422		-2.1	
Hexachlorobutadiene	0.284	0.320		12.7	20.0
Caprolactam	0.123	0.106		-13.8	
4-Chloro-3-methylphenol	0.384	0.390		1.6	20.0
2-Methylnaphthalene	0.814	0.842		3.4	
Hexachlorocyclopentadiene	0.302	0.413	0.050	36.8	
2,4,6-Trichlorophenol	0.384	0.457		19.0	20.0
2-Fluorobiphenyl	1.319	1.427		8.2	
2,4,5-Trichlorophenol	0.443	0.495		11.7	
1,1-Biphenyl	1.422	1.507		6.0	
2-Chloronaphthalene	1.073	1.145		6.7	
2-Nitroaniline	0.311	0.392		26.0	
Dimethylphthalate	1.530	1.509		-1.4	
Acenaphthylene	1.693	1.756		3.7	
2,6-Dinitrotoluene	0.218	0.281		28.9	
3-Nitroaniline	0.263	0.304		15.6	
Acenaphthene	1.157	1.205		4.1	20.0
2,4-Dinitrophenol	0.132	0.181	0.050	37.1	
4-Nitrophenol	0.244	0.267	0.050	9.4	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.870	1.869		-0.1	
2,4-Dinitrotoluene	0.340	0.413		21.5	
Diethylphthalate	1.563	1.474		-5.7	
4-Chlorophenyl-phenylether	0.820	0.831		1.3	
Fluorene	1.460	1.442		-1.2	
4-Nitroaniline	0.293	0.318		8.5	
4,6-Dinitro-2-methylphenol	0.079	0.117		48.1	
n-Nitrosodiphenylamine	0.540	0.569		5.4	20.0
2,4,6-Tribromophenol	0.289	0.317		9.7	
4-Bromophenyl-phenylether	0.237	0.261		10.1	
Hexachlorobenzene	0.270	0.291		7.8	
Atrazine	0.232	0.232		0.0	
Pentachlorophenol	0.169	0.195		15.4	20.0
Phenanthrene	1.094	1.114		1.8	
Anthracene	1.113	1.144		2.8	
Carbazole	0.981	1.006		2.5	
Di-n-butylphthalate	1.135	1.131		-0.4	
Fluoranthene	1.370	1.451		5.9	20.0
Pyrene	1.307	1.247		-4.6	
Terphenyl-d14	1.060	1.043		-1.6	
Butylbenzylphthalate	0.395	0.445		12.7	
3,3-Dichlorobenzidine	0.443	0.493		11.3	
Benzo (a) anthracene	1.326	1.410		6.3	
Chrysene	1.262	1.324		4.9	
Bis(2-ethylhexyl)phthalate	0.590	0.652		10.5	
Di-n-octyl phthalate	0.995	1.171		17.7	20.0
Benzo (b) fluoranthene	1.226	1.272		3.8	
Benzo (k) fluoranthene	1.227	1.285		4.7	
Benzo (a) pyrene	1.127	1.190		5.6	20.0
Indeno (1,2,3-cd) pyrene	1.471	1.593		8.3	
Dibenzo (a,h) anthracene	1.195	1.283		7.4	
Benzo (g,h,i) perylene	1.142	1.243		8.8	
1,2,4,5-Tetrachlorobenzene	0.671	0.762		13.6	
1,4-Dioxane	0.528	0.546		3.4	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.473		11.6	

All other compounds must meet a minimum RRF of 0.010.