

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3419</u>
Instrument ID:	<u>BNA_G</u>	Calibration Date/Time:	<u>10/28/2025 13:45</u>
Lab File ID:	<u>BG064600.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	1.244		4.4	
Benzaldehyde	0.893	0.888		-0.6	
Phenol-d6	1.635	1.675		2.4	
Phenol	1.808	1.888		4.4	20.0
bis(2-Chloroethyl)ether	1.329	1.384		4.1	
2-Chlorophenol	1.247	1.245		-0.2	
2-Methylphenol	1.201	1.245		3.7	
2,2-oxybis(1-Chloropropane)	3.487	3.880		11.3	
Acetophenone	0.547	0.583		6.6	
3+4-Methylphenols	1.688	1.671		-1.0	
n-Nitroso-di-n-propylamine	1.130	1.210	0.050	7.1	
Nitrobenzene-d5	0.333	0.361		8.4	
Hexachloroethane	0.512	0.551		7.6	
Nitrobenzene	0.362	0.392		8.3	
Isophorone	0.799	0.869		8.8	
2-Nitrophenol	0.121	0.135		11.6	20.0
2,4-Dimethylphenol	0.297	0.323		8.8	
bis(2-Chloroethoxy)methane	0.455	0.488		7.3	
2,4-Dichlorophenol	0.320	0.337		5.3	20.0
Naphthalene	1.109	1.185		6.9	
4-Chloroaniline	0.431	0.453		5.1	
Hexachlorobutadiene	0.284	0.301		6.0	20.0
Caprolactam	0.123	0.122		-0.8	
4-Chloro-3-methylphenol	0.384	0.408		6.3	20.0
2-Methylnaphthalene	0.814	0.869		6.8	
Hexachlorocyclopentadiene	0.302	0.327	0.050	8.3	
2,4,6-Trichlorophenol	0.384	0.408		6.3	20.0
2-Fluorobiphenyl	1.319	1.384		4.9	
2,4,5-Trichlorophenol	0.443	0.462		4.3	
1,1-Biphenyl	1.422	1.511		6.3	
2-Chloronaphthalene	1.073	1.142		6.4	
2-Nitroaniline	0.311	0.324		4.2	
Dimethylphthalate	1.530	1.578		3.1	
Acenaphthylene	1.693	1.798		6.2	
2,6-Dinitrotoluene	0.218	0.235		7.8	
3-Nitroaniline	0.263	0.290		10.3	
Acenaphthene	1.157	1.231		6.4	20.0
2,4-Dinitrophenol	0.132	0.158	0.050	19.7	
4-Nitrophenol	0.244	0.261	0.050	7.0	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.870	1.967		5.2	
2,4-Dinitrotoluene	0.340	0.374		10.0	
Diethylphthalate	1.563	1.619		3.6	
4-Chlorophenyl-phenylether	0.820	0.874		6.6	
Fluorene	1.460	1.566		7.3	
4-Nitroaniline	0.293	0.338		15.4	
4,6-Dinitro-2-methylphenol	0.079	0.096		21.5	
n-Nitrosodiphenylamine	0.540	0.566		4.8	20.0
2,4,6-Tribromophenol	0.289	0.305		5.5	
4-Bromophenyl-phenylether	0.237	0.250		5.5	
Hexachlorobenzene	0.270	0.286		5.9	
Atrazine	0.232	0.232		0.0	
Pentachlorophenol	0.169	0.180		6.5	20.0
Phenanthrene	1.094	1.174		7.3	
Anthracene	1.113	1.198		7.6	
Carbazole	0.981	1.064		8.5	
Di-n-butylphthalate	1.135	1.176		3.6	
Fluoranthene	1.370	1.518		10.8	20.0
Pyrene	1.307	1.281		-2.0	
Terphenyl-d14	1.060	1.051		-0.8	
Butylbenzylphthalate	0.395	0.408		3.3	
3,3-Dichlorobenzidine	0.443	0.483		9.0	
Benzo (a) anthracene	1.326	1.430		7.8	
Chrysene	1.262	1.347		6.7	
Bis(2-ethylhexyl)phthalate	0.590	0.618		4.7	
Di-n-octyl phthalate	0.995	1.069		7.4	20.0
Benzo (b) fluoranthene	1.226	1.284		4.7	
Benzo (k) fluoranthene	1.227	1.304		6.3	
Benzo (a) pyrene	1.127	1.201		6.6	20.0
Indeno (1,2,3-cd) pyrene	1.471	1.584		7.7	
Dibenzo (a,h) anthracene	1.195	1.292		8.1	
Benzo (g,h,i) perylene	1.142	1.220		6.8	
1,2,4,5-Tetrachlorobenzene	0.671	0.712		6.1	
1,4-Dioxane	0.528	0.500		-5.3	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.450		6.1	

All other compounds must meet a minimum RRF of 0.010.