

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>PSEG03</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3541</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>11/06/2025 13:25</u>
Lab File ID:	<u>BP026076.D</u>	Init. Calib. Date(s):	<u>10/29/2025 10/29/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:26 14:13</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.212	1.267		4.5	
Benzaldehyde	0.802	0.809		0.9	
Phenol-d6	1.543	1.653		7.1	
Phenol	1.713	1.798		5.0	20.0
bis(2-Chloroethyl)ether	1.352	1.366		1.0	
2-Chlorophenol	1.342	1.480		10.3	
2-Methylphenol	1.121	1.196		6.7	
2,2-oxybis(1-Chloropropane)	2.043	1.948		-4.7	
Acetophenone	0.506	0.509		0.6	
3+4-Methylphenols	1.560	1.687		8.1	
n-Nitroso-di-n-propylamine	0.958	1.040	0.050	8.6	
Nitrobenzene-d5	0.321	0.353		10.0	
Hexachloroethane	0.533	0.569		6.8	
Nitrobenzene	0.339	0.360		6.2	
Isophorone	0.687	0.733		6.7	
2-Nitrophenol	0.104	0.180		73.1	20.0
2,4-Dimethylphenol	0.289	0.297		2.8	
bis(2-Chloroethoxy)methane	0.433	0.446		3.0	
2,4-Dichlorophenol	0.305	0.339		11.1	20.0
Naphthalene	1.091	1.091		0.0	
4-Chloroaniline	0.419	0.439		4.8	
Hexachlorobutadiene	0.211	0.215		1.9	20.0
Caprolactam	0.107	0.126		17.8	
4-Chloro-3-methylphenol	0.320	0.367		14.7	20.0
2-Methylnaphthalene	0.763	0.799		4.7	
Hexachlorocyclopentadiene	0.227	0.280	0.050	23.3	
2,4,6-Trichlorophenol	0.367	0.431		17.4	20.0
2-Fluorobiphenyl	1.392	1.347		-3.2	
2,4,5-Trichlorophenol	0.419	0.475		13.4	
1,1-Biphenyl	1.531	1.512		-1.2	
2-Chloronaphthalene	1.205	1.197		-0.7	
2-Nitroaniline	0.272	0.345		26.8	
Dimethylphthalate	1.455	1.553		6.7	
Acenaphthylene	1.756	1.771		0.9	
2,6-Dinitrotoluene	0.237	0.308		30.0	
3-Nitroaniline	0.291	0.362		24.4	
Acenaphthene	1.206	1.165		-3.4	20.0
2,4-Dinitrophenol	0.100	0.163	0.050	63.0	
4-Nitrophenol	0.290	0.320	0.050	10.3	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.822	1.807		-0.8	
2,4-Dinitrotoluene	0.347	0.457		31.7	
Diethylphthalate	1.463	1.583		8.2	
4-Chlorophenyl-phenylether	0.713	0.715		0.3	
Fluorene	1.427	1.426		-0.1	
4-Nitroaniline	0.311	0.370		19.0	
4,6-Dinitro-2-methylphenol	0.077	0.118		53.2	
n-Nitrosodiphenylamine	0.625	0.630		0.8	20.0
2,4,6-Tribromophenol	0.216	0.269		24.5	
4-Bromophenyl-phenylether	0.222	0.234		5.4	
Hexachlorobenzene	0.253	0.263		4.0	
Atrazine	0.211	0.225		6.6	
Pentachlorophenol	0.154	0.279		81.2	20.0
Phenanthrene	1.164	1.150		-1.2	
Anthracene	1.154	1.161		0.6	
Carbazole	1.092	1.111		1.7	
Di-n-butylphthalate	1.222	1.385		13.3	
Fluoranthene	1.358	1.381		1.7	20.0
Pyrene	1.353	1.393		3.0	
Terphenyl-d14	0.984	1.000		1.6	
Butylbenzylphthalate	0.432	0.602		39.4	
3,3-Dichlorobenzidine	0.443	0.501		13.1	
Benzo (a) anthracene	1.374	1.388		1.0	
Chrysene	1.302	1.300		-0.2	
Bis(2-ethylhexyl)phthalate	0.718	0.917		27.7	
Di-n-octyl phthalate	1.191	1.618		35.9	20.0
Benzo (b) fluoranthene	1.242	1.252		0.8	
Benzo (k) fluoranthene	1.268	1.227		-3.2	
Benzo (a) pyrene	1.141	1.157		1.4	20.0
Indeno (1,2,3-cd) pyrene	1.476	1.509		2.2	
Dibenzo (a,h) anthracene	1.202	1.237		2.9	
Benzo (g,h,i) perylene	1.156	1.168		1.0	
1,2,4,5-Tetrachlorobenzene	0.621	0.622		0.2	
1,4-Dioxane	0.511	0.507		-0.8	20.0
2,3,4,6-Tetrachlorophenol	0.330	0.411		24.5	

All other compounds must meet a minimum RRF of 0.010.