

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>TAC001</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2600</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>07/16/2025 12:42</u>
Lab File ID:	<u>BP025155.D</u>	Init. Calib. Date(s):	<u>07/03/2025 07/03/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:39 14:31</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.129	1.127		-0.2	
Benzaldehyde	0.769	0.625		-18.7	
Phenol-d6	1.473	1.456		-1.2	
Phenol	1.497	1.451		-3.1	20.0
bis(2-Chloroethyl)ether	1.152	1.106		-4.0	
2-Chlorophenol	1.263	1.281		1.4	
2-Methylphenol	0.964	0.980		1.7	
2,2-oxybis(1-Chloropropane)	1.498	1.353		-9.7	
Acetophenone	0.473	0.462		-2.3	
3+4-Methylphenols	1.350	1.353		0.2	
n-Nitroso-di-n-propylamine	0.874	0.858	0.050	-1.8	
Nitrobenzene-d5	0.301	0.315		4.7	
Hexachloroethane	0.466	0.474		1.7	
Nitrobenzene	0.306	0.312		2.0	
Isophorone	0.562	0.566		0.7	
2-Nitrophenol	0.128	0.181		41.4	20.0
2,4-Dimethylphenol	0.210	0.215		2.4	
bis(2-Chloroethoxy)methane	0.382	0.379		-0.8	
2,4-Dichlorophenol	0.291	0.318		9.3	20.0
Naphthalene	1.030	1.012		-1.7	
4-Chloroaniline	0.384	0.391		1.8	
Hexachlorobutadiene	0.185	0.194		4.9	20.0
Caprolactam	0.099	0.105		6.1	
4-Chloro-3-methylphenol	0.304	0.323		6.3	20.0
2-Methylnaphthalene	0.727	0.726		-0.1	
Hexachlorocyclopentadiene	0.150	0.183	0.050	22.0	
2,4,6-Trichlorophenol	0.348	0.402		15.5	20.0
2-Fluorobiphenyl	1.291	1.243		-3.7	
2,4,5-Trichlorophenol	0.394	0.436		10.7	
1,1-Biphenyl	1.455	1.427		-1.9	
2-Chloronaphthalene	1.094	1.096		0.2	
2-Nitroaniline	0.237	0.281		18.6	
Dimethylphthalate	1.400	1.424		1.7	
Acenaphthylene	1.674	1.681		0.4	
2,6-Dinitrotoluene	0.273	0.307		12.5	
3-Nitroaniline	0.293	0.331		13.0	
Acenaphthene	1.079	1.056		-2.1	20.0
2,4-Dinitrophenol	0.114	0.172	0.050	50.9	
4-Nitrophenol	0.270	0.298	0.050	10.4	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.781	1.741		-2.2	
2,4-Dinitrotoluene	0.356	0.420		18.0	
Diethylphthalate	1.406	1.422		1.1	
4-Chlorophenyl-phenylether	0.682	0.683		0.1	
Fluorene	1.377	1.344		-2.4	
4-Nitroaniline	0.307	0.349		13.7	
4,6-Dinitro-2-methylphenol	0.082	0.120		46.3	
n-Nitrosodiphenylamine	0.572	0.589		3.0	20.0
2,4,6-Tribromophenol	0.236	0.289		22.5	
4-Bromophenyl-phenylether	0.205	0.226		10.2	
Hexachlorobenzene	0.250	0.266		6.4	
Atrazine	0.168	0.189		12.5	
Pentachlorophenol	0.169	0.198		17.2	20.0
Phenanthrene	1.069	1.030		-3.6	
Anthracene	1.025	1.026		0.1	
Carbazole	1.002	0.998		-0.4	
Di-n-butylphthalate	1.116	1.239		11.0	
Fluoranthene	1.249	1.254		0.4	20.0
Pyrene	1.239	1.265		2.1	
Terphenyl-d14	0.910	0.912		0.2	
Butylbenzylphthalate	0.402	0.541		34.6	
3,3-Dichlorobenzidine	0.365	0.456		24.9	
Benzo (a) anthracene	1.212	1.209		-0.2	
Chrysene	1.166	1.138		-2.4	
Bis(2-ethylhexyl)phthalate	0.650	0.792		21.8	
Di-n-octyl phthalate	1.054	1.357		28.7	20.0
Benzo (b) fluoranthene	1.164	1.147		-1.5	
Benzo (k) fluoranthene	1.158	1.093		-5.6	
Benzo (a) pyrene	0.991	1.020		2.9	20.0
Indeno (1,2,3-cd) pyrene	1.274	1.358		6.6	
Dibenzo (a,h) anthracene	1.053	1.127		7.0	
Benzo (g,h,i) perylene	1.088	1.140		4.8	
1,2,4,5-Tetrachlorobenzene	0.575	0.598		4.0	
1,4-Dioxane	0.439	0.407		-7.3	20.0
2,3,4,6-Tetrachlorophenol	0.357	0.403		12.9	

All other compounds must meet a minimum RRF of 0.010.