

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>CORE02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2994</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>09/02/2025 14:07</u>
Lab File ID:	<u>BP025637.D</u>	Init. Calib. Date(s):	<u>08/14/2025 08/14/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>12:33 17:24</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.198		-0.5	
Benzaldehyde	1.082	1.314		21.4	
Phenol-d6	1.544	1.531		-0.8	
Phenol	1.620	1.598		-1.4	20.0
bis(2-Chloroethyl)ether	1.263	1.243		-1.6	
2-Chlorophenol	1.359	1.340		-1.4	
2-Methylphenol	1.125	1.100		-2.2	
2,2-oxybis(1-Chloropropane)	1.692	1.732		2.4	
Acetophenone	0.502	0.502		0.0	
3+4-Methylphenols	1.560	1.488		-4.6	
n-Nitroso-di-n-propylamine	1.023	0.985	0.050	-3.7	
Nitrobenzene-d5	0.395	0.404		2.3	
Hexachloroethane	0.563	0.567		0.7	
Nitrobenzene	0.353	0.364		3.1	
Isophorone	0.700	0.683		-2.4	
2-Nitrophenol	0.181	0.188		3.9	20.0
2,4-Dimethylphenol	0.312	0.305		-2.2	
bis(2-Chloroethoxy)methane	0.423	0.411		-2.8	
2,4-Dichlorophenol	0.310	0.297		-4.2	20.0
Naphthalene	1.040	1.017		-2.2	
4-Chloroaniline	0.459	0.443		-3.5	
Hexachlorobutadiene	0.211	0.213		0.9	20.0
Caprolactam	0.114	0.108		-5.3	
4-Chloro-3-methylphenol	0.355	0.345		-2.8	20.0
2-Methylnaphthalene	0.676	0.649		-4.0	
Hexachlorocyclopentadiene	0.349	0.328	0.050	-6.0	
2,4,6-Trichlorophenol	0.390	0.391		0.3	20.0
2-Fluorobiphenyl	1.463	1.440		-1.6	
2,4,5-Trichlorophenol	0.427	0.425		-0.5	
1,1-Biphenyl	1.453	1.437		-1.1	
2-Chloronaphthalene	1.131	1.113		-1.6	
2-Nitroaniline	0.329	0.349		6.1	
Dimethylphthalate	1.465	1.429		-2.5	
Acenaphthylene	1.871	1.833		-2.0	
2,6-Dinitrotoluene	0.309	0.304		-1.6	
3-Nitroaniline	0.347	0.335		-3.5	
Acenaphthene	1.098	1.046		-4.7	20.0
2,4-Dinitrophenol	0.165	0.177	0.050	7.3	
4-Nitrophenol	0.285	0.240	0.050	-15.8	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.669		-3.9	
2,4-Dinitrotoluene	0.440	0.435		-1.1	
Diethylphthalate	1.488	1.410		-5.2	
4-Chlorophenyl-phenylether	0.681	0.657		-3.5	
Fluorene	1.370	1.322		-3.5	
4-Nitroaniline	0.356	0.345		-3.1	
4,6-Dinitro-2-methylphenol	0.125	0.142		13.6	
n-Nitrosodiphenylamine	0.610	0.622		2.0	20.0
2,4,6-Tribromophenol	0.269	0.275		2.2	
4-Bromophenyl-phenylether	0.220	0.229		4.1	
Hexachlorobenzene	0.255	0.267		4.7	
Atrazine	0.228	0.227		-0.4	
Pentachlorophenol	0.161	0.163		1.2	20.0
Phenanthrene	1.099	1.097		-0.2	
Anthracene	1.122	1.135		1.2	
Carbazole	1.057	1.059		0.2	
Di-n-butylphthalate	1.300	1.297		-0.2	
Fluoranthene	1.311	1.300		-0.8	20.0
Pyrene	1.300	1.299		-0.1	
Terphenyl-d14	1.093	1.116		2.1	
Butylbenzylphthalate	0.589	0.585		-0.7	
3,3-Dichlorobenzidine	0.497	0.465		-6.4	
Benzo (a) anthracene	1.319	1.297		-1.7	
Chrysene	1.235	1.246		0.9	
Bis(2-ethylhexyl)phthalate	0.867	0.838		-3.3	
Di-n-octyl phthalate	1.492	1.469		-1.5	20.0
Benzo (b) fluoranthene	1.179	1.162		-1.4	
Benzo (k) fluoranthene	1.180	1.165		-1.3	
Benzo (a) pyrene	1.148	1.135		-1.1	20.0
Indeno (1,2,3-cd) pyrene	1.467	1.441		-1.8	
Dibenzo (a,h) anthracene	1.199	1.186		-1.1	
Benzo (g,h,i) perylene	1.178	1.160		-1.5	
1,2,4,5-Tetrachlorobenzene	0.578	0.584		1.0	
1,4-Dioxane	0.472	0.451		-4.4	20.0
2,3,4,6-Tetrachlorophenol	0.377	0.375		-0.5	

All other compounds must meet a minimum RRF of 0.010.