

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>FIRS02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2815</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>08/15/2025 03:54</u>
Lab File ID:	<u>BF143399.D</u>	Init. Calib. Date(s):	<u>08/12/2025 08/12/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:03 12:38</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.157	1.081		-6.6	
Benzaldehyde	0.980	0.803		-18.1	
Phenol-d6	1.483	1.325		-10.7	
Phenol	1.757	1.562		-11.1	20.0
bis(2-Chloroethyl)ether	1.295	1.165		-10.0	
2-Chlorophenol	1.236	1.194		-3.4	
2-Methylphenol	1.043	0.969		-7.1	
2,2-oxybis(1-Chloropropane)	2.312	1.961		-15.2	
Acetophenone	0.441	0.385		-12.7	
3+4-Methylphenols	1.262	1.138		-9.8	
n-Nitroso-di-n-propylamine	0.916	0.781	0.050	-14.7	
Nitrobenzene-d5	0.321	0.315		-1.9	
Hexachloroethane	0.449	0.446		-0.7	
Nitrobenzene	0.349	0.335		-4.0	
Isophorone	0.656	0.580		-11.6	
2-Nitrophenol	0.118	0.162		37.3	20.0
2,4-Dimethylphenol	0.274	0.260		-5.1	
bis(2-Chloroethoxy)methane	0.400	0.364		-9.0	
2,4-Dichlorophenol	0.267	0.264		-1.1	20.0
Naphthalene	0.962	0.867		-9.9	
4-Chloroaniline	0.347	0.315		-9.2	
Hexachlorobutadiene	0.175	0.169		-3.4	20.0
Caprolactam	0.075	0.074		-1.3	
4-Chloro-3-methylphenol	0.280	0.259		-7.5	20.0
2-Methylnaphthalene	0.633	0.571		-9.8	
Hexachlorocyclopentadiene	0.158	0.243	0.050	53.8	
2,4,6-Trichlorophenol	0.311	0.321		3.2	20.0
2-Fluorobiphenyl	1.179	1.063		-9.8	
2,4,5-Trichlorophenol	0.351	0.348		-0.9	
1,1-Biphenyl	1.414	1.278		-9.6	
2-Chloronaphthalene	1.114	1.021		-8.3	
2-Nitroaniline	0.284	0.309		8.8	
Dimethylphthalate	1.169	1.109		-5.1	
Acenaphthylene	1.608	1.460		-9.2	
2,6-Dinitrotoluene	0.193	0.236		22.3	
3-Nitroaniline	0.239	0.256		7.1	
Acenaphthene	1.069	0.973		-9.0	20.0
2,4-Dinitrophenol	0.065	0.097	0.050	49.2	
4-Nitrophenol	0.163	0.187	0.050	14.7	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.539	1.376		-10.6	
2,4-Dinitrotoluene	0.256	0.308		20.3	
Diethylphthalate	1.047	1.011		-3.4	
4-Chlorophenyl-phenylether	0.568	0.521		-8.3	
Fluorene	1.175	1.025		-12.8	
4-Nitroaniline	0.232	0.232		0.0	
4,6-Dinitro-2-methylphenol	0.069	0.098		42.0	
n-Nitrosodiphenylamine	0.659	0.607		-7.9	20.0
2,4,6-Tribromophenol	0.146	0.158		8.2	
4-Bromophenyl-phenylether	0.229	0.221		-3.5	
Hexachlorobenzene	0.247	0.231		-6.5	
Atrazine	0.172	0.183		6.4	
Pentachlorophenol	0.101	0.288		185.1	20.0
Phenanthrene	1.091	0.975		-10.6	
Anthracene	1.107	0.977		-11.7	
Carbazole	0.942	0.826		-12.3	
Di-n-butylphthalate	0.798	0.904		13.3	
Fluoranthene	0.956	0.865		-9.5	20.0
Pyrene	1.678	1.335		-20.4	
Terphenyl-d14	1.120	0.924		-17.5	
Butylbenzylphthalate	0.284	0.448		57.7	
3,3-Dichlorobenzidine	0.343	0.379		10.5	
Benzo (a) anthracene	1.271	1.124		-11.6	
Chrysene	1.185	1.108		-6.5	
Bis(2-ethylhexyl)phthalate	0.403	0.630		56.3	
Di-n-octyl phthalate	0.860	1.156		34.4	20.0
Benzo (b) fluoranthene	1.094	1.059		-3.2	
Benzo (k) fluoranthene	1.063	0.910		-14.4	
Benzo (a) pyrene	1.030	0.949		-7.9	20.0
Indeno (1,2,3-cd) pyrene	1.433	1.295		-9.6	
Dibenzo (a,h) anthracene	1.145	1.020		-10.9	
Benzo (g,h,i) perylene	1.153	1.014		-12.1	
1,2,4,5-Tetrachlorobenzene	0.547	0.510		-6.8	
1,4-Dioxane	0.598	0.580		-3.0	20.0
2,3,4,6-Tetrachlorophenol	0.236	0.257		8.9	

All other compounds must meet a minimum RRF of 0.010.