

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>HDRI08</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3466</u>
Instrument ID:	<u>BNA_P</u>	Calibration Date/Time:	<u>10/30/2025 11:15</u>
Lab File ID:	<u>BP026039.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	1.236		2.0	
Benzaldehyde	0.802	0.773		-3.6	
Phenol-d6	1.543	1.568		1.6	
Phenol	1.713	1.727		0.8	20.0
bis(2-Chloroethyl) ether	1.352	1.357		0.4	
2-Chlorophenol	1.342	1.357		1.1	
2-Methylphenol	1.121	1.140		1.7	
2,2-oxybis(1-Chloropropane)	2.043	2.012		-1.5	
Acetophenone	0.506	0.513		1.4	
3+4-Methylphenols	1.560	1.546		-0.9	
n-Nitroso-di-n-propylamine	0.958	0.982	0.050	2.5	
Nitrobenzene-d5	0.321	0.339		5.6	
Hexachloroethane	0.533	0.539		1.1	
Nitrobenzene	0.339	0.357		5.3	
Isophorone	0.687	0.694		1.0	
2-Nitrophenol	0.104	0.120		15.4	20.0
2,4-Dimethylphenol	0.289	0.295		2.1	
bis(2-Chloroethoxy) methane	0.433	0.440		1.6	
2,4-Dichlorophenol	0.305	0.317		3.9	20.0
Naphthalene	1.091	1.115		2.2	
4-Chloroaniline	0.419	0.436		4.1	
Hexachlorobutadiene	0.211	0.216		2.4	20.0
Caprolactam	0.107	0.107		0.0	
4-Chloro-3-methylphenol	0.320	0.331		3.4	20.0
2-Methylnaphthalene	0.763	0.775		1.6	
Hexachlorocyclopentadiene	0.227	0.218	0.050	-4.0	
2,4,6-Trichlorophenol	0.367	0.385		4.9	20.0
2-Fluorobiphenyl	1.392	1.414		1.6	
2,4,5-Trichlorophenol	0.419	0.437		4.3	
1,1-Biphenyl	1.531	1.547		1.0	
2-Chloronaphthalene	1.205	1.220		1.2	
2-Nitroaniline	0.272	0.295		8.5	
Dimethylphthalate	1.455	1.472		1.2	
Acenaphthylene	1.756	1.798		2.4	
2,6-Dinitrotoluene	0.237	0.261		10.1	
3-Nitroaniline	0.291	0.324		11.3	
Acenaphthene	1.206	1.238		2.7	20.0
2,4-Dinitrophenol	0.100	0.093	0.050	-7.0	
4-Nitrophenol	0.290	0.274	0.050	-5.5	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.822	1.845		1.3	
2,4-Dinitrotoluene	0.347	0.384		10.7	
Diethylphthalate	1.463	1.454		-0.6	
4-Chlorophenyl-phenylether	0.713	0.709		-0.6	
Fluorene	1.427	1.447		1.4	
4-Nitroaniline	0.311	0.342		10.0	
4,6-Dinitro-2-methylphenol	0.077	0.073		-5.2	
n-Nitrosodiphenylamine	0.625	0.625		0.0	20.0
2,4,6-Tribromophenol	0.216	0.226		4.6	
4-Bromophenyl-phenylether	0.222	0.222		0.0	
Hexachlorobenzene	0.253	0.256		1.2	
Atrazine	0.211	0.209		-0.9	
Pentachlorophenol	0.154	0.151		-1.9	20.0
Phenanthrene	1.164	1.180		1.4	
Anthracene	1.154	1.172		1.6	
Carbazole	1.092	1.117		2.3	
Di-n-butylphthalate	1.222	1.222		0.0	
Fluoranthene	1.358	1.374		1.2	20.0
Pyrene	1.353	1.376		1.7	
Terphenyl-d14	0.984	0.998		1.4	
Butylbenzylphthalate	0.432	0.438		1.4	
3,3-Dichlorobenzidine	0.443	0.444		0.2	
Benzo (a) anthracene	1.374	1.403		2.1	
Chrysene	1.302	1.321		1.5	
Bis(2-ethylhexyl)phthalate	0.718	0.716		-0.3	
Di-n-octyl phthalate	1.191	1.093		-8.2	20.0
Benzo (b) fluoranthene	1.242	1.301		4.8	
Benzo (k) fluoranthene	1.268	1.302		2.7	
Benzo (a) pyrene	1.141	1.190		4.3	20.0
Indeno (1,2,3-cd) pyrene	1.476	1.544		4.6	
Dibenzo (a,h) anthracene	1.202	1.262		5.0	
Benzo (g,h,i) perylene	1.156	1.203		4.1	
1,2,4,5-Tetrachlorobenzene	0.621	0.636		2.4	
1,4-Dioxane	0.511	0.525		2.7	20.0
2,3,4,6-Tetrachlorophenol	0.330	0.344		4.2	

All other compounds must meet a minimum RRF of 0.010.