

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3393</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>10/22/2025 10:25</u>
Lab File ID:	<u>BF144032.D</u>	Init. Calib. Date(s):	<u>10/06/2025 10/06/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:59 14:22</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18 (mm)</u>

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.259	1.263		0.3	
Benzaldehyde	1.158	1.176		1.6	
Phenol-d6	1.501	1.459		-2.8	
Phenol	1.795	1.838		2.4	20.0
bis(2-Chloroethyl)ether	1.386	1.342		-3.2	
2-Chlorophenol	1.231	1.205		-2.1	
2-Methylphenol	1.017	0.970		-4.6	
2,2-oxybis(1-Chloropropane)	3.156	3.068		-2.8	
Acetophenone	0.423	0.389		-8.0	
3+4-Methylphenols	1.179	1.144		-3.0	
n-Nitroso-di-n-propylamine	1.028	0.930	0.050	-9.5	
Nitrobenzene-d5	0.329	0.331		0.6	
Hexachloroethane	0.485	0.469		-3.3	
Nitrobenzene	0.366	0.366		0.0	
Isophorone	0.694	0.630		-9.2	
2-Nitrophenol	0.157	0.173		10.2	20.0
2,4-Dimethylphenol	0.282	0.273		-3.2	
bis(2-Chloroethoxy)methane	0.438	0.417		-4.8	
2,4-Dichlorophenol	0.294	0.284		-3.4	20.0
Naphthalene	0.910	0.867		-4.7	
4-Chloroaniline	0.341	0.317		-7.0	
Hexachlorobutadiene	0.201	0.185		-8.0	20.0
Caprolactam	0.093	0.078		-16.1	
4-Chloro-3-methylphenol	0.282	0.258		-8.5	20.0
2-Methylnaphthalene	0.606	0.564		-6.9	
Hexachlorocyclopentadiene	0.229	0.198	0.050	-13.5	
2,4,6-Trichlorophenol	0.404	0.385		-4.7	20.0
2-Fluorobiphenyl	1.260	1.173		-6.9	
2,4,5-Trichlorophenol	0.427	0.416		-2.6	
1,1-Biphenyl	1.324	1.285		-2.9	
2-Chloronaphthalene	1.104	1.102		-0.2	
2-Nitroaniline	0.349	0.359		2.9	
Dimethylphthalate	1.270	1.174		-7.6	
Acenaphthylene	1.552	1.488		-4.1	
2,6-Dinitrotoluene	0.236	0.245		3.8	
3-Nitroaniline	0.288	0.288		0.0	
Acenaphthene	1.017	0.988		-2.9	20.0
2,4-Dinitrophenol	0.118	0.150	0.050	27.1	
4-Nitrophenol	0.218	0.221	0.050	1.4	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.436	1.365		-4.9	
2,4-Dinitrotoluene	0.320	0.327		2.2	
Diethylphthalate	1.180	1.076		-8.8	
4-Chlorophenyl-phenylether	0.573	0.537		-6.3	
Fluorene	1.083	1.034		-4.5	
4-Nitroaniline	0.277	0.251		-9.4	
4,6-Dinitro-2-methylphenol	0.101	0.105		4.0	
n-Nitrosodiphenylamine	0.628	0.632		0.6	20.0
2,4,6-Tribromophenol	0.199	0.170		-14.6	
4-Bromophenyl-phenylether	0.221	0.208		-5.9	
Hexachlorobenzene	0.256	0.236		-7.8	
Atrazine	0.190	0.170		-10.5	
Pentachlorophenol	0.147	0.133		-9.5	20.0
Phenanthrene	0.970	0.937		-3.4	
Anthracene	0.980	0.950		-3.1	
Carbazole	0.868	0.813		-6.3	
Di-n-butylphthalate	1.005	0.932		-7.3	
Fluoranthene	1.002	0.880		-12.2	20.0
Pyrene	1.667	1.786		7.1	
Terphenyl-d14	1.170	1.232		5.3	
Butylbenzylphthalate	0.542	0.552		1.8	
3,3-Dichlorobenzidine	0.399	0.405		1.5	
Benzo (a) anthracene	1.309	1.289		-1.5	
Chrysene	1.211	1.219		0.7	
Bis(2-ethylhexyl)phthalate	0.653	0.682		4.4	
Di-n-octyl phthalate	1.072	1.265		18.0	20.0
Benzo (b) fluoranthene	1.149	0.981		-14.6	
Benzo (k) fluoranthene	1.063	0.999		-6.0	
Benzo (a) pyrene	0.996	0.976		-2.0	20.0
Indeno (1,2,3-cd) pyrene	1.225	1.460		19.2	
Dibenzo (a,h) anthracene	0.986	1.180		19.7	
Benzo (g,h,i) perylene	0.986	1.193		21.0	
1,2,4,5-Tetrachlorobenzene	0.553	0.552		-0.2	
1,4-Dioxane	0.583	0.579		-0.7	20.0
2,3,4,6-Tetrachlorophenol	0.302	0.272		-9.9	

All other compounds must meet a minimum RRF of 0.010.