284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: ROYF02

Lab Code: ACE SDG No.: Q3177

Instrument ID: BNA_F Calibration Date/Time: 09/30/2025 13:36

Lab File ID: BF143830.D Init. Calib. Date(s): 09/23/2025 09/23/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:28 15:27

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.797	0.675		-15.3	
Pyridine	1.590	1.579		-0.7	
2-Fluorophenol	1.231	1.238		0.6	
Benzaldehyde	1.246	1.159		-7.0	
Aniline	2.064	2.022		-2.0	
Phenol-d6	1.422	1.418		-0.3	
Phenol	1.653	1.739		5.2	20.0
bis(2-Chloroethyl)ether	1.296	1.278		-1.4	
2-Chlorophenol	1.260	1.285		2.0	
1,2-Dichlorobenzene	1.383	1.381		-0.1	
1,3-Dichlorobenzene	1.463	1.453		-0.7	
1,4-Dichlorobenzene	1.460	1.452		-0.5	20.0
Benzyl Alcohol	1.028	1.068		3.9	
2-Methylphenol	0.976	0.992		1.6	
2,2-oxybis(1-Chloropropane)	3.073	2.569		-16.4	
Acetophenone	0.439	0.430		-2.0	
3+4-Methylphenols	1.185	1.233		4.1	
n-Nitroso-di-n-propylamine	0.915	0.880	0.050	-3.8	
Nitrobenzene-d5	0.327	0.340		4.0	
Hexachloroethane	0.514	0.502		-2.3	
Nitrobenzene	0.362	0.371		2.5	
Isophorone	0.637	0.640		0.5	
2-Nitrophenol	0.132	0.165		25.0	20.0
2,4-Dimethylphenol	0.285	0.289		1.4	
bis(2-Chloroethoxy)methane	0.414	0.409		-1.2	
2,4-Dichlorophenol	0.280	0.290		3.6	20.0
1,2,4-Trichlorobenzene	0.291	0.300		3.1	
Benzoic acid	0.137	0.152		10.9	
Naphthalene	0.957	0.950		-0.7	
4-Chloroaniline	0.336	0.344		2.4	
Hexachlorobutadiene	0.217	0.231		6.5	20.0
Caprolactam	0.072	0.076		5.6	
4-Chloro-3-methylphenol	0.263	0.273		3.8	20.0
2-Methylnaphthalene	0.611	0.620		1.5	
Hexachlorocyclopentadiene	0.383	0.363	0.050	-5.2	
2,4,6-Trichlorophenol	0.378	0.398		5.3	20.0
2-Fluorobiphenyl	1.282	1.279		-0.2	
2,4,5-Trichlorophenol	0.395	0.418		5.8	
1,1-Biphenyl	1.448	1.406		-2.9	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.165	1.134		-2.7	
2-Nitroaniline	0.352	0.398		13.1	
Dimethylphthalate	1.219	1.232		1.1	
Acenaphthylene	1.604	1.578		-1.6	
2,6-Dinitrotoluene	0.200	0.235		17.5	
3-Nitroaniline	0.243	0.275		13.2	
Acenaphthene	1.056	1.037		-1.8	20.0
2,4-Dinitrophenol	0.064	0.076	0.050	18.8	
4-Nitrophenol	0.196	0.189	0.050	-3.6	
Dibenzofuran	1.493	1.484		-0.6	
2,4-Dinitrotoluene	0.261	0.311		19.2	
Diethylphthalate	1.141	1.133		-0.7	
4-Chlorophenyl-phenylether	0.566	0.582		2.8	
Fluorene	1.110	1.116		0.5	
4-Nitroaniline	0.228	0.247		8.3	
4,6-Dinitro-2-methylphenol	0.067	0.082		22.4	
n-Nitrosodiphenylamine	0.658	0.657		-0.2	20.0
Azobenzene	1.203	1.152		-4.2	
2,4,6-Tribromophenol	0.296	0.339		14.5	
4-Bromophenyl-phenylether	0.341	0.380		11.4	
Hexachlorobenzene	0.470	0.541		15.1	
Atrazine	0.190	0.192		1.1	
Pentachlorophenol	0.234	0.266		13.7	20.0
Phenanthrene	1.027	1.014		-1.3	
Anthracene	1.030	1.027		-0.3	
Carbazole	0.901	0.875		-2.9	
Di-n-butylphthalate	1.036	1.018		-1.7	
Fluoranthene	1.033	0.998		-3.4	20.0
Benzidine	0.487	0.439		-9.9	
Pyrene	0.983	1.061		7.9	
Terphenyl-d14	0.983	1.123		14.2	
Butylbenzylphthalate	0.340	0.359		5.6	
3,3-Dichlorobenzidine	0.465	0.471		1.3	
Benzo(a)anthracene	1.074	1.098		2.2	
Chrysene	0.972	0.954		-1.9	
Bis(2-ethylhexyl)phthalate	0.499	0.481		-3.6	
Di-n-octyl phthalate	0.905	0.816		-9.8	20.0
Benzo(b)fluoranthene	1.019	1.000		-1.8	
Benzo(k)fluoranthene	1.023	1.018		-0.5	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	0.957	0.960		0.3	20.0
Indeno(1,2,3-cd)pyrene	1.517	1.699		12.0	
Dibenzo(a,h)anthracene	1.241	1.389		11.9	
Benzo(g,h,i)perylene	1.196	1.349		12.8	
1,2,4,5-Tetrachlorobenzene	0.604	0.612		1.3	
1,4-Dioxane	0.589	0.581		-1.4	20.0
2,3,4,6-Tetrachlorophenol	0.339	0.391		15.3	
1-Methylnaphthalene	0.584	0.587		0.5	

All other compounds must meet a minimum RRF of 0.010.