284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_P Calibration Date/Time: 08/13/2025 18:13

Lab File ID: BP025389.D Init. Calib. Date(s): 08/05/2025 08/05/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 12:03 16:51

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.244	1.213		-2.5	50.0
Benzaldehyde	1.162	1.214		4.5	50.0
Phenol-d6	1.637	1.490		-9.0	50.0
Phenol	1.751	1.540		-12.1	50.0
bis(2-Chloroethyl)ether	1.372	1.239		-9.7	50.0
2-Chlorophenol	1.361	1.356		-0.4	50.0
2-Methylphenol	1.172	1.062		-9.4	50.0
2,2-oxybis(1-Chloropropane)	2.167	1.701		-21.5	50.0
Acetophenone	0.502	0.487		-3.0	50.0
3+4-Methylphenols	1.613	1.423		-11.8	50.0
n-Nitroso-di-n-propylamine	1.075	0.937	0.050	-12.8	50.0
Nitrobenzene-d5	0.361	0.386		6.9	50.0
Hexachloroethane	0.553	0.578		4.5	50.0
Nitrobenzene	0.342	0.345		0.9	50.0
Isophorone	0.719	0.667		-7.2	50.0
2-Nitrophenol	0.126	0.185		46.8	50.0
2,4-Dimethylphenol	0.331	0.310		-6.3	50.0
bis(2-Chloroethoxy)methane	0.437	0.417		-4.6	50.0
2,4-Dichlorophenol	0.290	0.306		5.5	50.0
Naphthalene	1.038	1.037		-0.1	50.0
4-Chloroaniline	0.462	0.425		-8.0	50.0
Hexachlorobutadiene	0.184	0.219		19.0	50.0
Caprolactam	0.113	0.104		-8.0	50.0
4-Chloro-3-methylphenol	0.336	0.330		-1.8	50.0
2-Methylnaphthalene	0.672	0.670		-0.3	50.0
Hexachlorocyclopentadiene	0.337	0.323	0.050	-4.2	50.0
2,4,6-Trichlorophenol	0.353	0.398		12.7	50.0
2-Fluorobiphenyl	1.448	1.464		1.1	50.0
2,4,5-Trichlorophenol	0.396	0.435		9.8	50.0
1,1-Biphenyl	1.474	1.471		-0.2	50.0
2-Chloronaphthalene	1.124	1.149		2.2	50.0
2-Nitroaniline	0.288	0.324		12.5	50.0
Dimethylphthalate	1.458	1.447		-0.8	50.0
Acenaphthylene	1.876	1.858		-1.0	50.0
2,6-Dinitrotoluene	0.269	0.310		15.2	50.0
3-Nitroaniline	0.315	0.334		6.0	50.0
Acenaphthene	1.144	1.170		2.3	50.0
2,4-Dinitrophenol	0.105	0.127	0.050	21.0	50.0
4-Nitrophenol	0.278	0.273	0.050	-1.8	50.0

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GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.710	1.720		0.6	50.0
2,4-Dinitrotoluene	0.359	0.446		24.2	50.0
Diethylphthalate	1.470	1.516		3.1	50.0
4-Chlorophenyl-phenylether	0.637	0.682		7.1	50.0
Fluorene	1.343	1.334		-0.7	50.0
4-Nitroaniline	0.312	0.334		7.1	50.0
4,6-Dinitro-2-methylphenol	0.080	0.100		25.0	50.0
n-Nitrosodiphenylamine	0.609	0.598		-1.8	50.0
2,4,6-Tribromophenol	0.200	0.277		38.5	50.0
4-Bromophenyl-phenylether	0.201	0.219		9.0	50.0
Hexachlorobenzene	0.226	0.251		11.1	50.0
Atrazine	0.214	0.227		6.1	50.0
Pentachlorophenol	0.144	0.168		16.7	50.0
Phenanthrene	1.095	1.076		-1.7	50.0
Anthracene	1.105	1.114		0.8	50.0
Carbazole	1.060	1.044		-1.5	50.0
Di-n-butylphthalate	1.283	1.427		11.2	50.0
Fluoranthene	1.268	1.330		4.9	50.0
Pyrene	1.330	1.291		-3.0	50.0
Terphenyl-d14	1.059	1.080		2.0	50.0
Butylbenzylphthalate	0.539	0.638		18.4	50.0
3,3-Dichlorobenzidine	0.469	0.506		7.9	50.0
Benzo(a)anthracene	1.329	1.326		-0.2	50.0
Chrysene	1.233	1.230		-0.2	50.0
Bis(2-ethylhexyl)phthalate	0.861	0.996		15.7	50.0
Di-n-octyl phthalate	1.442	1.723		19.5	50.0
Benzo(b)fluoranthene	1.197	1.177		-1.7	50.0
Benzo(k)fluoranthene	1.187	1.160		-2.3	50.0
Benzo(a)pyrene	1.153	1.144		-0.8	50.0
Indeno(1,2,3-cd)pyrene	1.434	1.457		1.6	50.0
Dibenzo(a,h)anthracene	1.174	1.194		1.7	50.0
Benzo(g,h,i)perylene	1.152	1.154		0.2	50.0
1,2,4,5-Tetrachlorobenzene	0.546	0.604		10.6	50.0
1,4-Dioxane	0.491	0.463		-5.7	50.0
2,3,4,6-Tetrachlorophenol	0.331	0.380		14.8	50.0

All other compounds must meet a minimum RRF of 0.010.