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: 08/19/2025 21:43

Lab File ID: BP025485.D Init. Calib. Date(s): 08/14/2025 08/14/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 12:33 17:24

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.204	1.218		1.2	50.0
Benzaldehyde	1.082	0.902		-16.6	50.0
Phenol-d6	1.544	1.587		2.8	50.0
Phenol	1.620	1.658		2.3	50.0
bis(2-Chloroethyl)ether	1.263	1.262		-0.1	50.0
2-Chlorophenol	1.359	1.375		1.2	50.0
2-Methylphenol	1.125	1.161		3.2	50.0
2,2-oxybis(1-Chloropropane)	1.692	1.743		3.0	50.0
Acetophenone	0.502	0.506		0.8	50.0
3+4-Methylphenols	1.560	1.605		2.9	50.0
n-Nitroso-di-n-propylamine	1.023	1.050	0.050	2.6	50.0
Nitrobenzene-d5	0.395	0.400		1.3	50.0
Hexachloroethane	0.563	0.571		1.4	50.0
Nitrobenzene	0.353	0.353		0.0	50.0
Isophorone	0.700	0.708		1.1	50.0
2-Nitrophenol	0.181	0.183		1.1	50.0
2,4-Dimethylphenol	0.312	0.319		2.2	50.0
bis(2-Chloroethoxy)methane	0.423	0.428		1.2	50.0
2,4-Dichlorophenol	0.310	0.317		2.3	50.0
Naphthalene	1.040	1.019		-2.0	50.0
4-Chloroaniline	0.459	0.465		1.3	50.0
Hexachlorobutadiene	0.211	0.209		-0.9	50.0
Caprolactam	0.114	0.113		-0.9	50.0
4-Chloro-3-methylphenol	0.355	0.365		2.8	50.0
2-Methylnaphthalene	0.676	0.669		-1.0	50.0
Hexachlorocyclopentadiene	0.349	0.410	0.050	17.5	50.0
2,4,6-Trichlorophenol	0.390	0.397		1.8	50.0
2-Fluorobiphenyl	1.463	1.455		-0.5	50.0
2,4,5-Trichlorophenol	0.427	0.434		1.6	50.0
1,1-Biphenyl	1.453	1.450		-0.2	50.0
2-Chloronaphthalene	1.131	1.129		-0.2	50.0
2-Nitroaniline	0.329	0.352		7.0	50.0
Dimethylphthalate	1.465	1.472		0.5	50.0
Acenaphthylene	1.871	1.873		0.1	50.0
2,6-Dinitrotoluene	0.309	0.325		5.2	50.0
3-Nitroaniline	0.347	0.356		2.6	50.0
Acenaphthene	1.098	1.079		-1.7	50.0
2,4-Dinitrophenol	0.165	0.325	0.050	97.0	50.0
4-Nitrophenol	0.285	0.288	0.050	1.1	50.0

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.736	1.721		-0.9	50.0
2,4-Dinitrotoluene	0.440	0.463		5.2	50.0
Diethylphthalate	1.488	1.504		1.1	50.0
4-Chlorophenyl-phenylether	0.681	0.668		-1.9	50.0
Fluorene	1.370	1.329		-3.0	50.0
4-Nitroaniline	0.356	0.355		-0.3	50.0
4,6-Dinitro-2-methylphenol	0.125	0.178		42.4	50.0
n-Nitrosodiphenylamine	0.610	0.611		0.2	50.0
2,4,6-Tribromophenol	0.269	0.275		2.2	50.0
4-Bromophenyl-phenylether	0.220	0.218		-0.9	50.0
Hexachlorobenzene	0.255	0.257		0.8	50.0
Atrazine	0.228	0.229		0.4	50.0
Pentachlorophenol	0.161	0.166		3.1	50.0
Phenanthrene	1.099	1.085		-1.3	50.0
Anthracene	1.122	1.116		-0.5	50.0
Carbazole	1.057	1.045		-1.1	50.0
Di-n-butylphthalate	1.300	1.318		1.4	50.0
Fluoranthene	1.311	1.271		-3.1	50.0
Pyrene	1.300	1.274		-2.0	50.0
Terphenyl-d14	1.093	1.085		-0.7	50.0
Butylbenzylphthalate	0.589	0.608		3.2	50.0
3,3-Dichlorobenzidine	0.497	0.479		-3.6	50.0
Benzo(a)anthracene	1.319	1.302		-1.3	50.0
Chrysene	1.235	1.232		-0.2	50.0
Bis(2-ethylhexyl)phthalate	0.867	0.887		2.3	50.0
Di-n-octyl phthalate	1.492	1.538		3.1	50.0
Benzo(b)fluoranthene	1.179	1.167		-1.0	50.0
Benzo(k)fluoranthene	1.180	1.176		-0.3	50.0
Benzo(a)pyrene	1.148	1.150		0.2	50.0
Indeno(1,2,3-cd)pyrene	1.467	1.449		-1.2	50.0
Dibenzo(a,h)anthracene	1.199	1.196		-0.3	50.0
Benzo(g,h,i)perylene	1.178	1.167		-0.9	50.0
1,2,4,5-Tetrachlorobenzene	0.578	0.582		0.7	50.0
1,4-Dioxane	0.472	0.459		-2.8	50.0
2,3,4,6-Tetrachlorophenol	0.377	0.389		3.2	50.0

All other compounds must meet a minimum RRF of 0.010.