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

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: ICES02

Lab Code: ACE SDG No.: Q3400

Instrument ID: BNA_G Calibration Date/Time: 10/27/2025 22:11

Lab File ID: BG064598.D Init. Calib. Date(s): 10/24/2025 10/24/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 09:00 15:32

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.192	1.330		11.6	50.0
Benzaldehyde	0.893	1.635		83.1	50.0
Phenol-d6	1.635	1.717		5.0	50.0
Phenol	1.808	1.928		6.6	50.0
bis(2-Chloroethyl)ether	2.225	2.285		2.7	50.0
2-Chlorophenol	1.247	1.376		10.3	50.0
2-Methylphenol	0.674	0.722		7.1	50.0
2,2-oxybis(1-Chloropropane)	3.487	3.653		4.8	50.0
Acetophenone	0.547	0.568		3.8	50.0
3+4-Methylphenols	1.688	1.790		6.0	50.0
n-Nitroso-di-n-propylamine	1.130	1.228	0.050	8.7	50.0
Nitrobenzene-d5	0.333	0.401		20.4	50.0
Hexachloroethane	0.512	0.558		9.0	50.0
Nitrobenzene	0.362	0.421		16.3	50.0
Isophorone	0.799	0.837		4.8	50.0
2-Nitrophenol	0.121	0.162		33.9	50.0
2,4-Dimethylphenol	0.303	0.324		6.9	50.0
bis(2-Chloroethoxy)methane	0.455	0.466		2.4	50.0
2,4-Dichlorophenol	0.320	0.364		13.8	50.0
Naphthalene	1.109	1.129		1.8	50.0
4-Chloroaniline	0.431	0.446		3.5	50.0
Hexachlorobutadiene	0.284	0.302		6.3	50.0
Caprolactam	0.123	0.117		-4.9	50.0
4-Chloro-3-methylphenol	0.384	0.415		8.1	50.0
2-Methylnaphthalene	0.814	0.841		3.3	50.0
Hexachlorocyclopentadiene	0.302	0.302	0.050	0.0	50.0
2,4,6-Trichlorophenol	0.384	0.436		13.5	50.0
2-Fluorobiphenyl	1.319	1.346		2.0	50.0
2,4,5-Trichlorophenol	0.443	0.492		11.1	50.0
1,1-Biphenyl	1.422	1.444		1.5	50.0
2-Chloronaphthalene	1.073	1.099		2.4	50.0
2-Nitroaniline	0.311	0.391		25.7	50.0
Dimethylphthalate	1.530	1.524		-0.4	50.0
Acenaphthylene	1.693	1.726		1.9	50.0
2,6-Dinitrotoluene	0.218	0.270		23.9	50.0
3-Nitroaniline	0.263	0.302		14.8	50.0
Acenaphthene	1.157	1.192		3.0	50.0
2,4-Dinitrophenol	0.132	0.158	0.050	19.7	50.0
4-Nitrophenol	0.244	0.272	0.050	11.5	50.0

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.870	1.848		-1.2	50.0
2,4-Dinitrotoluene	0.340	0.413		21.5	50.0
Diethylphthalate	1.563	1.522		-2.6	50.0
4-Chlorophenyl-phenylether	0.820	0.832		1.5	50.0
Fluorene	1.460	1.457		-0.2	50.0
4-Nitroaniline	0.293	0.326		11.3	50.0
4,6-Dinitro-2-methylphenol	0.079	0.104		31.6	50.0
n-Nitrosodiphenylamine	0.540	0.569		5.4	50.0
2,4,6-Tribromophenol	0.289	0.319		10.4	50.0
4-Bromophenyl-phenylether	0.237	0.255		7.6	50.0
Hexachlorobenzene	0.270	0.290		7.4	50.0
Atrazine	0.232	0.228		-1.7	50.0
Pentachlorophenol	0.169	0.193		14.2	50.0
Phenanthrene	1.094	1.137		3.9	50.0
Anthracene	1.113	1.140		2.4	50.0
Carbazole	0.981	0.992		1.1	50.0
Di-n-butylphthalate	1.135	1.148		1.1	50.0
Fluoranthene	1.370	1.396		1.9	50.0
Pyrene	1.307	1.291		-1.2	50.0
Terphenyl-d14	1.060	1.066		0.6	50.0
Butylbenzylphthalate	0.395	0.450		13.9	50.0
3,3-Dichlorobenzidine	0.443	0.454		2.5	50.0
Benzo(a)anthracene	1.326	1.377		3.8	50.0
Chrysene	1.262	1.296		2.7	50.0
Bis(2-ethylhexyl)phthalate	0.590	0.652		10.5	50.0
Di-n-octyl phthalate	0.995	1.108		11.4	50.0
Benzo(b)fluoranthene	1.226	1.246		1.6	50.0
Benzo(k)fluoranthene	1.227	1.262		2.9	50.0
Benzo(a)pyrene	1.127	1.156		2.6	50.0
Indeno(1,2,3-cd)pyrene	1.471	1.510		2.7	50.0
Dibenzo(a,h)anthracene	1.195	1.231		3.0	50.0
Benzo(g,h,i)perylene	1.471	1.510		2.7	50.0
1,2,4,5-Tetrachlorobenzene	0.671	0.704		4.9	50.0
1,4-Dioxane	0.528	0.480		-9.1	50.0
2,3,4,6-Tetrachlorophenol	0.424	0.482		13.7	50.0

All other compounds must meet a minimum RRF of 0.010.