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.: Q2814

Instrument ID: BNA_F Calibration Date/Time: 08/14/2025 22:56

Lab File ID: BF143397.D Init. Calib. Date(s): 08/12/2025 08/12/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 09:03 12:38

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.157	1.058		-8.6	50.0
Benzaldehyde	0.980	0.800		-18.4	50.0
Phenol-d6	1.483	1.303		-12.1	50.0
Phenol	1.757	1.555		-11.5	50.0
bis(2-Chloroethyl)ether	1.295	1.146		-11.5	50.0
2-Chlorophenol	1.236	1.153		-6.7	50.0
2-Methylphenol	1.043	0.925		-11.3	50.0
2,2-oxybis(1-Chloropropane)	2.312	1.951		-15.6	50.0
Acetophenone	0.441	0.384		-12.9	50.0
3+4-Methylphenols	1.262	1.110		-12.0	50.0
n-Nitroso-di-n-propylamine	0.916	0.769	0.050	-16.0	50.0
Nitrobenzene-d5	0.321	0.312		-2.8	50.0
Hexachloroethane	0.449	0.437		-2.7	50.0
Nitrobenzene	0.349	0.330		-5.4	50.0
Isophorone	0.656	0.566		-13.7	50.0
2-Nitrophenol	0.118	0.157		33.1	50.0
2,4-Dimethylphenol	0.274	0.259		-5.5	50.0
bis(2-Chloroethoxy)methane	0.400	0.358		-10.5	50.0
2,4-Dichlorophenol	0.267	0.258		-3.4	50.0
Naphthalene	0.962	0.866		-10.0	50.0
4-Chloroaniline	0.347	0.307		-11.5	50.0
Hexachlorobutadiene	0.175	0.170		-2.9	50.0
Caprolactam	0.075	0.068		-9.3	50.0
4-Chloro-3-methylphenol	0.280	0.248		-11.4	50.0
2-Methylnaphthalene	0.633	0.559		-11.7	50.0
Hexachlorocyclopentadiene	0.158	0.234	0.050	48.1	50.0
2,4,6-Trichlorophenol	0.311	0.325		4.5	50.0
2-Fluorobiphenyl	1.179	1.101		-6.6	50.0
2,4,5-Trichlorophenol	0.351	0.345		-1.7	50.0
1,1-Biphenyl	1.414	1.321		-6.6	50.0
2-Chloronaphthalene	1.114	1.043		-6.4	50.0
2-Nitroaniline	0.284	0.307		8.1	50.0
Dimethylphthalate	1.169	1.100		-5.9	50.0
Acenaphthylene	1.608	1.471		-8.5	50.0
2,6-Dinitrotoluene	0.193	0.223		15.5	50.0
3-Nitroaniline	0.239	0.245		2.5	50.0
Acenaphthene	1.069	0.974		-8.9	50.0
2,4-Dinitrophenol	0.065	0.057	0.050	-12.3	50.0
4-Nitrophenol	0.163	0.127	0.050	-22.1	50.0

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.539	1.389		-9.7	50.0
2,4-Dinitrotoluene	0.256	0.287		12.1	50.0
Diethylphthalate	1.047	0.965		-7.8	50.0
4-Chlorophenyl-phenylether	0.568	0.515		-9.3	50.0
Fluorene	1.175	1.031		-12.3	50.0
4-Nitroaniline	0.232	0.210		-9.5	50.0
4,6-Dinitro-2-methylphenol	0.069	0.086		24.6	50.0
n-Nitrosodiphenylamine	0.659	0.630		-4.4	50.0
2,4,6-Tribromophenol	0.146	0.147		0.7	50.0
4-Bromophenyl-phenylether	0.229	0.228		-0.4	50.0
Hexachlorobenzene	0.247	0.235		-4.9	50.0
Atrazine	0.172	0.175		1.7	50.0
Pentachlorophenol	0.101	0.088		-12.9	50.0
Phenanthrene	1.091	0.981		-10.1	50.0
Anthracene	1.107	1.007		-9.0	50.0
Carbazole	0.942	0.804		-14.6	50.0
Di-n-butylphthalate	0.798	0.850		6.5	50.0
Fluoranthene	0.956	0.830		-13.2	50.0
Pyrene	1.678	1.297		-22.7	50.0
Terphenyl-d14	1.120	0.893		-20.3	50.0
Butylbenzylphthalate	0.284	0.418		47.2	50.0
3,3-Dichlorobenzidine	0.343	0.382		11.4	50.0
Benzo(a)anthracene	1.271	1.136		-10.6	50.0
Chrysene	1.185	1.089		-8.1	50.0
Bis(2-ethylhexyl)phthalate	0.403	0.627		55.6	50.0
Di-n-octyl phthalate	0.860	1.239		44.1	50.0
Benzo(b)fluoranthene	1.094	1.038		-5.1	50.0
Benzo(k)fluoranthene	1.063	0.872		-18.0	50.0
Benzo(a)pyrene	1.030	0.941		-8.6	50.0
Indeno(1,2,3-cd)pyrene	1.433	1.339		-6.6	50.0
Dibenzo(a,h)anthracene	1.145	1.088		-5.0	50.0
Benzo(g,h,i)perylene	1.153	1.069		-7.3	50.0
1,2,4,5-Tetrachlorobenzene	0.547	0.529		-3.3	50.0
1,4-Dioxane	0.598	0.517		-13.5	50.0
2,3,4,6-Tetrachlorophenol	0.236	0.235		-0.4	50.0

All other compounds must meet a minimum RRF of 0.010.