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.: Q2815

Instrument ID: BNA_F Calibration Date/Time: 08/21/2025 19:32

Lab File ID: BF143539.D Init. Calib. Date(s): 08/20/2025 08/20/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 10:55 14:20

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.145	1.138		-0.6	50.0
Benzaldehyde	1.145	1.334		16.5	50.0
Phenol-d6	1.414	1.375		-2.8	50.0
Phenol	1.629	1.605		-1.5	50.0
bis(2-Chloroethyl)ether	1.217	1.180		-3.0	50.0
2-Chlorophenol	1.265	1.247		-1.4	50.0
2-Methylphenol	1.015	0.989		-2.6	50.0
2,2-oxybis(1-Chloropropane)	1.947	1.836		-5.7	50.0
Acetophenone	0.432	0.430		-0.5	50.0
3+4-Methylphenols	1.212	1.209		-0.2	50.0
n-Nitroso-di-n-propylamine	0.864	0.843	0.050	-2.4	50.0
Nitrobenzene-d5	0.343	0.348		1.5	50.0
Hexachloroethane	0.485	0.487		0.4	50.0
Nitrobenzene	0.353	0.363		2.8	50.0
Isophorone	0.628	0.636		1.3	50.0
2-Nitrophenol	0.173	0.179		3.5	50.0
2,4-Dimethylphenol	0.269	0.267		-0.7	50.0
bis(2-Chloroethoxy)methane	0.386	0.385		-0.3	50.0
2,4-Dichlorophenol	0.288	0.283		-1.7	50.0
Naphthalene	0.960	0.942		-1.9	50.0
4-Chloroaniline	0.341	0.329		-3.5	50.0
Hexachlorobutadiene	0.193	0.196		1.6	50.0
Caprolactam	0.069	0.076		10.1	50.0
4-Chloro-3-methylphenol	0.288	0.279		-3.1	50.0
2-Methylnaphthalene	0.641	0.620		-3.3	50.0
Hexachlorocyclopentadiene	0.184	0.203	0.050	10.3	50.0
2,4,6-Trichlorophenol	0.352	0.369		4.8	50.0
2-Fluorobiphenyl	1.210	1.266		4.6	50.0
2,4,5-Trichlorophenol	0.385	0.387		0.5	50.0
1,1-Biphenyl	1.420	1.484		4.5	50.0
2-Chloronaphthalene	1.114	1.142		2.5	50.0
2-Nitroaniline	0.326	0.339		4.0	50.0
Dimethylphthalate	1.205	1.333		10.6	50.0
Acenaphthylene	1.595	1.612		1.1	50.0
2,6-Dinitrotoluene	0.250	0.267		6.8	50.0
3-Nitroaniline	0.270	0.274		1.5	50.0
Acenaphthene	1.083	1.076		-0.6	50.0
2,4-Dinitrophenol	0.115	0.095	0.050	-17.4	50.0
4-Nitrophenol	0.161	0.175	0.050	8.7	50.0

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.544	1.507		-2.4	50.0
2,4-Dinitrotoluene	0.333	0.340		2.1	50.0
Diethylphthalate	1.080	1.180		9.3	50.0
4-Chlorophenyl-phenylether	0.594	0.588		-1.0	50.0
Fluorene	1.188	1.140		-4.0	50.0
4-Nitroaniline	0.248	0.244		-1.6	50.0
4,6-Dinitro-2-methylphenol	0.113	0.091		-19.5	50.0
n-Nitrosodiphenylamine	0.644	0.713		10.7	50.0
2,4,6-Tribromophenol	0.186	0.167		-10.2	50.0
4-Bromophenyl-phenylether	0.239	0.259		8.4	50.0
Hexachlorobenzene	0.257	0.263		2.3	50.0
Atrazine	0.166	0.212		27.7	50.0
Pentachlorophenol	0.118	0.244		106.8	50.0
Phenanthrene	1.071	1.070		-0.1	50.0
Anthracene	1.085	1.084		-0.1	50.0
Carbazole	0.889	0.901		1.4	50.0
Di-n-butylphthalate	0.829	1.069		29.0	50.0
Fluoranthene	0.961	0.984		2.4	50.0
Pyrene	1.645	1.215		-26.1	50.0
Terphenyl-d14	1.146	0.889		-22.4	50.0
Butylbenzylphthalate	0.449	0.495		10.2	50.0
3,3-Dichlorobenzidine	0.369	0.389		5.4	50.0
Benzo(a)anthracene	1.288	1.260		-2.2	50.0
Chrysene	1.157	1.191		2.9	50.0
Bis(2-ethylhexyl)phthalate	0.685	0.737		7.6	50.0
Di-n-octyl phthalate	1.268	1.337		5.4	50.0
Benzo(b)fluoranthene	1.112	1.179		6.0	50.0
Benzo(k)fluoranthene	1.064	1.106		3.9	50.0
Benzo(a)pyrene	1.032	1.041		0.9	50.0
Indeno(1,2,3-cd)pyrene	1.437	1.011		-29.6	50.0
Dibenzo(a,h)anthracene	1.151	0.836		-27.4	50.0
Benzo(g,h,i)perylene	1.145	0.732		-36.1	50.0
1,2,4,5-Tetrachlorobenzene	0.572	0.595		4.0	50.0
1,4-Dioxane	0.531	0.518		-2.4	50.0
2,3,4,6-Tetrachlorophenol	0.286	0.270		-5.6	50.0

All other compounds must meet a minimum RRF of 0.010.