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 06:44

Lab File ID: BF143516.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	1.126		-1.7	50.0
Benzaldehyde	1.145	1.296		13.2	50.0
Phenol-d6	1.414	1.374		-2.8	50.0
Phenol	1.629	1.615		-0.9	50.0
bis(2-Chloroethyl)ether	1.217	1.190		-2.2	50.0
2-Chlorophenol	1.265	1.233		-2.5	50.0
2-Methylphenol	1.015	1.006		-0.9	50.0
2,2-oxybis(1-Chloropropane)	1.947	1.881		-3.4	50.0
Acetophenone	0.432	0.422		-2.3	50.0
3+4-Methylphenols	1.212	1.199		-1.1	50.0
n-Nitroso-di-n-propylamine	0.864	0.835	0.050	-3.4	50.0
Nitrobenzene-d5	0.343	0.343		0.0	50.0
Hexachloroethane	0.485	0.476		-1.9	50.0
Nitrobenzene	0.353	0.357		1.1	50.0
Isophorone	0.628	0.628		0.0	50.0
2-Nitrophenol	0.173	0.181		4.6	50.0
2,4-Dimethylphenol	0.269	0.264		-1.9	50.0
bis(2-Chloroethoxy)methane	0.386	0.386		0.0	50.0
2,4-Dichlorophenol	0.288	0.287		-0.3	50.0
Naphthalene	0.960	0.938		-2.3	50.0
4-Chloroaniline	0.341	0.332		-2.6	50.0
Hexachlorobutadiene	0.193	0.193		0.0	50.0
Caprolactam	0.069	0.076		10.1	50.0
4-Chloro-3-methylphenol	0.288	0.291		1.0	50.0
2-Methylnaphthalene	0.641	0.622		-3.0	50.0
Hexachlorocyclopentadiene	0.184	0.166	0.050	-9.8	50.0
2,4,6-Trichlorophenol	0.352	0.350		-0.6	50.0
2-Fluorobiphenyl	1.210	1.163		-3.9	50.0
2,4,5-Trichlorophenol	0.385	0.386		0.3	50.0
1,1-Biphenyl	1.420	1.380		-2.8	50.0
2-Chloronaphthalene	1.114	1.088		-2.3	50.0
2-Nitroaniline	0.326	0.331		1.5	50.0
Dimethylphthalate	1.205	1.222		1.4	50.0
Acenaphthylene	1.595	1.557		-2.4	50.0
2,6-Dinitrotoluene	0.250	0.257		2.8	50.0
3-Nitroaniline	0.270	0.268		-0.7	50.0
Acenaphthene	1.083	1.029		-5.0	50.0
2,4-Dinitrophenol	0.115	0.082	0.050	-28.7	50.0
4-Nitrophenol	0.161	0.153	0.050	-5.0	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	1.502		-2.7	50.0
2,4-Dinitrotoluene	0.333	0.341		2.4	50.0
Diethylphthalate	1.080	1.117		3.4	50.0
4-Chlorophenyl-phenylether	0.594	0.579		-2.5	50.0
Fluorene	1.188	1.137		-4.3	50.0
4-Nitroaniline	0.248	0.245		-1.2	50.0
4,6-Dinitro-2-methylphenol	0.113	0.105		-7.1	50.0
n-Nitrosodiphenylamine	0.644	0.645		0.2	50.0
2,4,6-Tribromophenol	0.186	0.181		-2.7	50.0
4-Bromophenyl-phenylether	0.239	0.246		2.9	50.0
Hexachlorobenzene	0.257	0.258		0.4	50.0
Atrazine	0.166	0.189		13.9	50.0
Pentachlorophenol	0.118	0.112		-5.1	50.0
Phenanthrene	1.071	1.050		-2.0	50.0
Anthracene	1.085	1.062		-2.1	50.0
Carbazole	0.889	0.860		-3.3	50.0
Di-n-butylphthalate	0.829	0.927		11.8	50.0
Fluoranthene	0.961	0.897		-6.7	50.0
Pyrene	1.645	1.474		-10.4	50.0
Terphenyl-d14	1.146	1.057		-7.8	50.0
Butylbenzylphthalate	0.449	0.491		9.4	50.0
3,3-Dichlorobenzidine	0.369	0.392		6.2	50.0
Benzo(a)anthracene	1.288	1.249		-3.0	50.0
Chrysene	1.157	1.160		0.3	50.0
Bis(2-ethylhexyl)phthalate	0.685	0.720		5.1	50.0
Di-n-octyl phthalate	1.268	1.332		5.0	50.0
Benzo(b)fluoranthene	1.112	1.135		2.1	50.0
Benzo(k)fluoranthene	1.064	1.008		-5.3	50.0
Benzo(a)pyrene	1.032	1.036		0.4	50.0
Indeno(1,2,3-cd)pyrene	1.437	1.402		-2.4	50.0
Dibenzo(a,h)anthracene	1.151	1.134		-1.5	50.0
Benzo(g,h,i)perylene	1.145	1.086		-5.2	50.0
1,2,4,5-Tetrachlorobenzene	0.572	0.565		-1.2	50.0
1,4-Dioxane	0.531	0.534		0.6	50.0
2,3,4,6-Tetrachlorophenol	0.286	0.286		0.0	50.0

All other compounds must meet a minimum RRF of 0.010.