284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2820

Instrument ID: BNA_F Calibration Date/Time: 08/13/2025 15:41

Lab File ID: BF143375.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	0.981		-15.2	50.0
Benzaldehyde	0.980	0.776		-20.8	50.0
Phenol-d6	1.483	1.176		-20.7	50.0
Phenol	1.757	1.393		-20.7	50.0
bis(2-Chloroethyl)ether	1.295	1.073		-17.1	50.0
2-Chlorophenol	1.236	1.060		-14.2	50.0
2-Methylphenol	1.043	0.836		-19.8	50.0
2,2-oxybis(1-Chloropropane)	2.312	1.942		-16.0	50.0
Acetophenone	0.441	0.360		-18.4	50.0
3+4-Methylphenols	1.262	1.026		-18.7	50.0
n-Nitroso-di-n-propylamine	0.916	0.738	0.050	-19.4	50.0
Nitrobenzene-d5	0.321	0.286		-10.9	50.0
Hexachloroethane	0.449	0.413		-8.0	50.0
Nitrobenzene	0.349	0.304		-12.9	50.0
Isophorone	0.656	0.537		-18.1	50.0
2-Nitrophenol	0.118	0.138		16.9	50.0
2,4-Dimethylphenol	0.274	0.237		-13.5	50.0
bis(2-Chloroethoxy)methane	0.400	0.337		-15.8	50.0
2,4-Dichlorophenol	0.267	0.233		-12.7	50.0
Naphthalene	0.962	0.798		-17.0	50.0
4-Chloroaniline	0.347	0.284		-18.2	50.0
Hexachlorobutadiene	0.175	0.156		-10.9	50.0
Caprolactam	0.075	0.062		-17.3	50.0
4-Chloro-3-methylphenol	0.280	0.230		-17.9	50.0
2-Methylnaphthalene	0.633	0.532		-16.0	50.0
Hexachlorocyclopentadiene	0.158	0.172	0.050	8.9	50.0
2,4,6-Trichlorophenol	0.311	0.272		-12.5	50.0
2-Fluorobiphenyl	1.179	1.015		-13.9	50.0
2,4,5-Trichlorophenol	0.351	0.299		-14.8	50.0
1,1-Biphenyl	1.414	1.202		-15.0	50.0
2-Chloronaphthalene	1.114	0.935		-16.1	50.0
2-Nitroaniline	0.284	0.280		-1.4	50.0
Dimethylphthalate	1.169	1.033		-11.6	50.0
Acenaphthylene	1.608	1.330		-17.3	50.0
2,6-Dinitrotoluene	0.193	0.204		5.7	50.0
3-Nitroaniline	0.239	0.222		-7.1	50.0
Acenaphthene	1.069	0.886		-17.1	50.0
2,4-Dinitrophenol	0.065	0.048	0.050	-26.2	50.0
4-Nitrophenol	0.163	0.135	0.050	-17.2	50.0

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.539	1.269		-17.5	50.0
2,4-Dinitrotoluene	0.256	0.271		5.9	50.0
Diethylphthalate	1.047	0.969		-7.4	50.0
4-Chlorophenyl-phenylether	0.568	0.494		-13.0	50.0
Fluorene	1.175	0.973		-17.2	50.0
4-Nitroaniline	0.232	0.200		-13.8	50.0
4,6-Dinitro-2-methylphenol	0.069	0.063		-8.7	50.0
n-Nitrosodiphenylamine	0.659	0.559		-15.2	50.0
2,4,6-Tribromophenol	0.146	0.137		-6.2	50.0
4-Bromophenyl-phenylether	0.229	0.203		-11.4	50.0
Hexachlorobenzene	0.247	0.213		-13.8	50.0
Atrazine	0.172	0.175		1.7	50.0
Pentachlorophenol	0.101	0.128		26.7	50.0
Phenanthrene	1.091	0.894		-18.1	50.0
Anthracene	1.107	0.917		-17.2	50.0
Carbazole	0.942	0.772		-18.0	50.0
Di-n-butylphthalate	0.798	0.945		18.4	50.0
Fluoranthene	0.956	0.844		-11.7	50.0
Pyrene	1.678	1.149		-31.5	50.0
Terphenyl-d14	1.120	0.850		-24.1	50.0
Butylbenzylphthalate	0.284	0.443		56.0	50.0
3,3-Dichlorobenzidine	0.343	0.352		2.6	50.0
Benzo(a)anthracene	1.271	1.042		-18.0	50.0
Chrysene	1.185	0.973		-17.9	50.0
Bis(2-ethylhexyl)phthalate	0.403	0.639		58.6	50.0
Di-n-octyl phthalate	0.860	1.132		31.6	50.0
Benzo(b)fluoranthene	1.094	0.931		-14.9	50.0
Benzo(k)fluoranthene	1.063	0.869		-18.3	50.0
Benzo(a)pyrene	1.030	0.849		-17.6	50.0
Indeno(1,2,3-cd)pyrene	1.433	1.158		-19.2	50.0
Dibenzo(a,h)anthracene	1.145	0.937		-18.2	50.0
Benzo(g,h,i)perylene	1.153	0.894		-22.5	50.0
1,2,4,5-Tetrachlorobenzene	0.547	0.478		-12.6	50.0
1,4-Dioxane	0.598	0.476		-20.4	50.0
2,3,4,6-Tetrachlorophenol	0.236	0.203		-14.0	50.0

All other compounds must meet a minimum RRF of 0.010.