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: 08/15/2025 12:45

Lab File ID: BF143414.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	0.947		-18.1	50.0
Benzaldehyde	0.980	0.712		-27.3	50.0
Phenol-d6	1.483	1.193		-19.6	50.0
Phenol	1.757	1.426		-18.8	50.0
bis(2-Chloroethyl)ether	1.295	1.043		-19.5	50.0
2-Chlorophenol	1.236	1.054		-14.7	50.0
2-Methylphenol	1.043	0.867		-16.9	50.0
2,2-oxybis(1-Chloropropane)	2.312	1.796		-22.3	50.0
Acetophenone	0.441	0.354		-19.7	50.0
3+4-Methylphenols	1.262	1.071		-15.1	50.0
n-Nitroso-di-n-propylamine	0.916	0.747	0.050	-18.5	50.0
Nitrobenzene-d5	0.321	0.283		-11.8	50.0
Hexachloroethane	0.449	0.405		-9.8	50.0
Nitrobenzene	0.349	0.297		-14.9	50.0
Isophorone	0.656	0.540		-17.7	50.0
2-Nitrophenol	0.118	0.145		22.9	50.0
2,4-Dimethylphenol	0.274	0.238		-13.1	50.0
bis(2-Chloroethoxy)methane	0.400	0.331		-17.3	50.0
2,4-Dichlorophenol	0.267	0.236		-11.6	50.0
Naphthalene	0.962	0.784		-18.5	50.0
4-Chloroaniline	0.347	0.289		-16.7	50.0
Hexachlorobutadiene	0.175	0.152		-13.1	50.0
Caprolactam	0.075	0.072		-4.0	50.0
4-Chloro-3-methylphenol	0.280	0.243		-13.2	50.0
2-Methylnaphthalene	0.633	0.537		-15.2	50.0
Hexachlorocyclopentadiene	0.158	0.142	0.050	-10.1	50.0
2,4,6-Trichlorophenol	0.311	0.287		-7.7	50.0
2-Fluorobiphenyl	1.179	0.962		-18.4	50.0
2,4,5-Trichlorophenol	0.351	0.311		-11.4	50.0
1,1-Biphenyl	1.414	1.152		-18.5	50.0
2-Chloronaphthalene	1.114	0.905		-18.8	50.0
2-Nitroaniline	0.284	0.284		0.0	50.0
Dimethylphthalate	1.169	1.059		-9.4	50.0
Acenaphthylene	1.608	1.310		-18.5	50.0
2,6-Dinitrotoluene	0.193	0.222		15.0	50.0
3-Nitroaniline	0.239	0.241		0.8	50.0
Acenaphthene	1.069	0.850		-20.5	50.0
2,4-Dinitrophenol	0.065	0.042	0.050	-35.4	50.0
4-Nitrophenol	0.163	0.131	0.050	-19.6	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	1.271		-17.4	50.0
2,4-Dinitrotoluene	0.256	0.295		15.2	50.0
Diethylphthalate	1.047	1.010		-3.5	50.0
4-Chlorophenyl-phenylether	0.568	0.491		-13.6	50.0
Fluorene	1.175	0.950		-19.1	50.0
4-Nitroaniline	0.232	0.219		-5.6	50.0
4,6-Dinitro-2-methylphenol	0.069	0.064		-7.2	50.0
n-Nitrosodiphenylamine	0.659	0.548		-16.8	50.0
2,4,6-Tribromophenol	0.146	0.148		1.4	50.0
4-Bromophenyl-phenylether	0.229	0.201		-12.2	50.0
Hexachlorobenzene	0.247	0.207		-16.2	50.0
Atrazine	0.172	0.185		7.0	50.0
Pentachlorophenol	0.101	0.083		-17.8	50.0
Phenanthrene	1.091	0.875		-19.8	50.0
Anthracene	1.107	0.890		-19.6	50.0
Carbazole	0.942	0.743		-21.1	50.0
Di-n-butylphthalate	0.798	0.951		19.2	50.0
Fluoranthene	0.956	0.752		-21.3	50.0
Pyrene	1.678	1.252		-25.4	50.0
Terphenyl-d14	1.120	0.922		-17.7	50.0
Butylbenzylphthalate	0.284	0.454		59.9	50.0
3,3-Dichlorobenzidine	0.343	0.331		-3.5	50.0
Benzo(a)anthracene	1.271	1.019		-19.8	50.0
Chrysene	1.185	0.984		-17.0	50.0
Bis(2-ethylhexyl)phthalate	0.403	0.592		46.9	50.0
Di-n-octyl phthalate	0.860	1.033		20.1	50.0
Benzo(b)fluoranthene	1.094	0.989		-9.6	50.0
Benzo(k)fluoranthene	1.063	0.880		-17.2	50.0
Benzo(a)pyrene	1.030	0.859		-16.6	50.0
Indeno(1,2,3-cd)pyrene	1.433	0.897		-37.4	50.0
Dibenzo(a,h)anthracene	1.145	0.737		-35.6	50.0
Benzo(g,h,i)perylene	1.153	0.661		-42.7	50.0
1,2,4,5-Tetrachlorobenzene	0.547	0.455		-16.8	50.0
1,4-Dioxane	0.598	0.439		-26.6	50.0
2,3,4,6-Tetrachlorophenol	0.236	0.228		-3.4	50.0

All other compounds must meet a minimum RRF of 0.010.