284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: HDRI08

Lab Code: ACE SDG No.: Q3662

Instrument ID: BNA_F Calibration Date/Time: 11/20/2025 12:32

Lab File ID: BF144290.D Init. Calib. Date(s): 11/05/2025 11/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:50 16:49

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.278	1.301		1.8	
Benzaldehyde	0.818	0.977		19.4	
Phenol-d6	1.448	1.429		-1.3	
Phenol	1.769	1.773		0.2	20.0
bis(2-Chloroethyl)ether	1.289	1.313		1.9	
2-Chlorophenol	1.253	1.249		-0.3	
2-Methylphenol	0.997	0.992		-0.5	
2,2-oxybis(1-Chloropropane)	2.374	2.385		0.5	
Acetophenone	0.429	0.406		-5.4	
3+4-Methylphenols	1.175	1.129		-3.9	
n-Nitroso-di-n-propylamine	0.953	0.895	0.050	-6.1	
Nitrobenzene-d5	0.346	0.336		-2.9	
Hexachloroethane	0.515	0.517		0.4	
Nitrobenzene	0.376	0.372		-1.1	
Isophorone	0.655	0.641		-2.1	
2-Nitrophenol	0.186	0.189		1.6	20.0
2,4-Dimethylphenol	0.279	0.276		-1.1	
bis(2-Chloroethoxy)methane	0.409	0.403		-1.5	
2,4-Dichlorophenol	0.322	0.313		-2.8	20.0
Naphthalene	0.951	0.914		-3.9	
4-Chloroaniline	0.347	0.336		-3.2	
Hexachlorobutadiene	0.249	0.238		-4.4	20.0
Caprolactam	0.088	0.083		-5.7	
4-Chloro-3-methylphenol	0.288	0.272		-5.6	20.0
2-Methylnaphthalene	0.636	0.611		-3.9	
Hexachlorocyclopentadiene	0.195	0.183	0.050	-6.2	
2,4,6-Trichlorophenol	0.446	0.443		-0.7	20.0
2-Fluorobiphenyl	1.354	1.285		-5.1	
2,4,5-Trichlorophenol	0.481	0.458		-4.8	
1,1-Biphenyl	1.396	1.361		-2.5	
2-Chloronaphthalene	1.191	1.142		-4.1	
2-Nitroaniline	0.344	0.341		-0.9	
Dimethylphthalate	1.325	1.316		-0.7	
Acenaphthylene	1.623	1.561		-3.8	
2,6-Dinitrotoluene	0.268	0.272		1.5	
3-Nitroaniline	0.293	0.297		1.4	
Acenaphthene	1.085	0.997		-8.1	20.0
2,4-Dinitrophenol	0.162	0.224	0.050	38.3	
4-Nitrophenol	0.212	0.233	0.050	9.9	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.520	1.446		-4.9	
2,4-Dinitrotoluene	0.359	0.355		-1.1	
Diethylphthalate	1.221	1.197		-2.0	
4-Chlorophenyl-phenylether	0.658	0.620		-5.8	
Fluorene	1.156	1.112		-3.8	
4-Nitroaniline	0.279	0.271		-2.9	
4,6-Dinitro-2-methylphenol	0.136	0.129		-5.1	
n-Nitrosodiphenylamine	0.643	0.660		2.6	20.0
2,4,6-Tribromophenol	0.251	0.225		-10.4	
4-Bromophenyl-phenylether	0.255	0.243		-4.7	
Hexachlorobenzene	0.301	0.276		-8.3	
Atrazine	0.205	0.187		-8.8	
Pentachlorophenol	0.150	0.168		12.0	20.0
Phenanthrene	0.996	0.948		-4.8	
Anthracene	1.013	0.956		-5.6	
Carbazole	0.861	0.809		-6.0	
Di-n-butylphthalate	1.041	1.038		-0.3	
Fluoranthene	1.029	0.928		-9.8	20.0
Pyrene	1.613	1.445		-10.4	
Terphenyl-d14	1.259	1.100		-12.6	
Butylbenzylphthalate	0.559	0.532		-4.8	
3,3-Dichlorobenzidine	0.475	0.464		-2.3	
Benzo(a)anthracene	1.386	1.387		0.1	
Chrysene	1.280	1.240		-3.1	
Bis(2-ethylhexyl)phthalate	0.765	0.747		-2.4	
Di-n-octyl phthalate	1.320	1.354		2.6	20.0
Benzo(b)fluoranthene	1.137	1.266		11.3	
Benzo(k)fluoranthene	1.064	0.991		-6.9	
Benzo(a)pyrene	1.049	1.038		-1.0	20.0
Indeno(1,2,3-cd)pyrene	1.436	1.199		-16.5	
Dibenzo(a,h)anthracene	1.153	0.976		-15.4	
Benzo(g,h,i)perylene	1.139	0.918		-19.4	
1,2,4,5-Tetrachlorobenzene	0.655	0.655		0.0	
1,4-Dioxane	0.528	0.564		6.8	20.0
2,3,4,6-Tetrachlorophenol	0.340	0.322		-5.3	

All other compounds must meet a minimum RRF of 0.010.