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

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: ZUCC01

Lab Code: ACE SDG No.: Q3032

Instrument ID: BNA_G Calibration Date/Time: 09/10/2025 12:37

Lab File ID: BG064329.D Init. Calib. Date(s): 08/28/2025 08/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:51 16:16

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.115	1.234		10.7	
Benzaldehyde	1.260	1.223		-2.9	
Phenol-d6	1.532	1.683		9.9	
Phenol	1.689	1.790		6.0	20.0
bis(2-Chloroethyl)ether	1.269	1.235		-2.7	
2-Chlorophenol	1.362	1.528		12.2	
2-Methylphenol	1.258	1.272		1.1	
2,2-oxybis(1-Chloropropane)	2.897	2.328		-19.6	
Acetophenone	0.506	0.560		10.7	
3+4-Methylphenols	1.749	1.728		-1.2	
n-Nitroso-di-n-propylamine	1.172	1.131	0.050	-3.5	
Nitrobenzene-d5	0.359	0.430		19.8	
Hexachloroethane	0.571	0.650		13.8	
Nitrobenzene	0.375	0.426		13.6	
Isophorone	0.745	0.758		1.7	
2-Nitrophenol	0.162	0.210		29.6	20.0
2,4-Dimethylphenol	0.284	0.316		11.3	
bis(2-Chloroethoxy)methane	0.402	0.404		0.5	
2,4-Dichlorophenol	0.300	0.361		20.3	20.0
Naphthalene	1.037	1.173		13.1	
4-Chloroaniline	0.402	0.438		9.0	
Hexachlorobutadiene	0.234	0.317		35.5	20.0
Caprolactam	0.116	0.120		3.4	
4-Chloro-3-methylphenol	0.389	0.430		10.5	20.0
2-Methylnaphthalene	0.771	0.856		11.0	
Hexachlorocyclopentadiene	0.274	0.391	0.050	42.7	
2,4,6-Trichlorophenol	0.386	0.452		17.1	20.0
2-Fluorobiphenyl	1.310	1.487		13.5	
2,4,5-Trichlorophenol	0.418	0.505		20.8	
1,1-Biphenyl	1.457	1.597		9.6	
2-Chloronaphthalene	1.095	1.217		11.1	
2-Nitroaniline	0.373	0.437		17.2	
Dimethylphthalate	1.514	1.633		7.9	
Acenaphthylene	1.619	1.790		10.6	
2,6-Dinitrotoluene	0.293	0.341		16.4	
3-Nitroaniline	0.307	0.339		10.4	
Acenaphthene	1.142	1.211		6.0	20.0
2,4-Dinitrophenol	0.163	0.235	0.050	44.2	
4-Nitrophenol	0.252	0.288	0.050	14.3	

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GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.797	1.958		9.0	
2,4-Dinitrotoluene	0.443	0.519		17.2	
Diethylphthalate	1.620	1.772		9.4	
4-Chlorophenyl-phenylether	0.734	0.835		13.8	
Fluorene	1.473	1.590		7.9	
4-Nitroaniline	0.313	0.376		20.1	
4,6-Dinitro-2-methylphenol	0.115	0.152		32.2	
n-Nitrosodiphenylamine	0.550	0.601		9.3	20.0
2,4,6-Tribromophenol	0.265	0.346		30.6	
4-Bromophenyl-phenylether	0.212	0.258		21.7	
Hexachlorobenzene	0.236	0.280		18.6	
Atrazine	0.230	0.279		21.3	
Pentachlorophenol	0.143	0.196		37.1	20.0
Phenanthrene	1.055	1.171		11.0	
Anthracene	1.073	1.190		10.9	
Carbazole	0.945	1.081		14.4	
Di-n-butylphthalate	1.136	1.332		17.3	
Fluoranthene	1.240	1.457		17.5	20.0
Pyrene	1.260	1.389		10.2	
Terphenyl-d14	0.959	1.105		15.2	
Butylbenzylphthalate	0.475	0.534		12.4	
3,3-Dichlorobenzidine	0.417	0.484		16.1	
Benzo(a)anthracene	1.280	1.438		12.3	
Chrysene	1.228	1.355		10.3	
Bis(2-ethylhexyl)phthalate	0.714	0.778		9.0	
Di-n-octyl phthalate	1.243	1.337		7.6	20.0
Benzo(b)fluoranthene	1.129	1.304		15.5	
Benzo(k)fluoranthene	1.150	1.295		12.6	
Benzo(a)pyrene	1.050	1.204		14.7	20.0
Indeno(1,2,3-cd)pyrene	1.366	1.582		15.8	
Dibenzo(a,h)anthracene	1.097	1.277		16.4	
Benzo(g,h,i)perylene	1.067	1.221		14.4	
1,2,4,5-Tetrachlorobenzene	0.577	0.706		22.4	
1,4-Dioxane	0.465	0.461		-0.9	20.0
2,3,4,6-Tetrachlorophenol	0.402	0.484		20.4	

All other compounds must meet a minimum RRF of 0.010.