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

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: CAMP02

Lab Code: ACE SDG No.: Q2543

Instrument ID: BNA_M Calibration Date/Time: 07/10/2025 13:53

Lab File ID: BM050388.D Init. Calib. Date(s): 07/08/2025 07/08/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:39 17:22

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.162	1.137		-2.2	
Benzaldehyde	0.871	0.886		1.7	
Phenol-d6	1.465	1.465		0.0	
Phenol	1.528	1.499		-1.9	20.0
bis(2-Chloroethyl)ether	1.223	1.182		-3.4	
2-Chlorophenol	1.225	1.199		-2.1	
2-Methylphenol	0.991	0.969		-2.2	
2,2-oxybis(1-Chloropropane)	1.802	1.740		-3.4	
Acetophenone	0.500	0.491		-1.8	
3+4-Methylphenols	1.330	1.291		-2.9	
n-Nitroso-di-n-propylamine	0.887	0.900	0.050	1.5	
Nitrobenzene-d5	0.392	0.394		0.5	
Hexachloroethane	0.535	0.517		-3.4	
Nitrobenzene	0.350	0.343		-2.0	
Isophorone	0.636	0.632		-0.6	
2-Nitrophenol	0.143	0.148		3.5	20.0
2,4-Dimethylphenol	0.303	0.297		-2.0	
bis(2-Chloroethoxy)methane	0.422	0.412		-2.4	
2,4-Dichlorophenol	0.312	0.314		0.6	20.0
Naphthalene	1.016	0.983		-3.2	
4-Chloroaniline	0.429	0.429		0.0	
Hexachlorobutadiene	0.228	0.218		-4.4	20.0
Caprolactam	0.085	0.085		0.0	
4-Chloro-3-methylphenol	0.291	0.293		0.7	20.0
2-Methylnaphthalene	0.641	0.636		-0.8	
Hexachlorocyclopentadiene	0.407	0.380	0.050	-6.6	
2,4,6-Trichlorophenol	0.391	0.393		0.5	20.0
2-Fluorobiphenyl	1.620	1.599		-1.3	
2,4,5-Trichlorophenol	0.428	0.426		-0.5	
1,1-Biphenyl	1.484	1.456		-1.9	
2-Chloronaphthalene	1.183	1.166		-1.4	
2-Nitroaniline	0.264	0.275		4.2	
Dimethylphthalate	1.377	1.353		-1.7	
Acenaphthylene	1.788	1.781		-0.4	
2,6-Dinitrotoluene	0.264	0.276		4.5	
3-Nitroaniline	0.281	0.295		5.0	
Acenaphthene	1.137	1.124		-1.1	20.0
2,4-Dinitrophenol	0.121	0.118	0.050	-2.5	
4-Nitrophenol	0.242	0.244	0.050	0.8	

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.751	1.711		-2.3	
2,4-Dinitrotoluene	0.350	0.373		6.6	
Diethylphthalate	1.315	1.303		-0.9	
4-Chlorophenyl-phenylether	0.754	0.742		-1.6	
Fluorene	1.443	1.428		-1.0	
4-Nitroaniline	0.288	0.312		8.3	
4,6-Dinitro-2-methylphenol	0.095	0.094		-1.1	
n-Nitrosodiphenylamine	0.626	0.618		-1.3	20.0
2,4,6-Tribromophenol	0.243	0.249		2.5	
4-Bromophenyl-phenylether	0.220	0.217		-1.4	
Hexachlorobenzene	0.260	0.254		-2.3	
Atrazine	0.206	0.205		-0.5	
Pentachlorophenol	0.162	0.157		-3.1	20.0
Phenanthrene	1.132	1.096		-3.2	
Anthracene	1.127	1.112		-1.3	
Carbazole	1.019	1.003		-1.6	
Di-n-butylphthalate	1.116	1.115		-0.1	
Fluoranthene	1.230	1.217		-1.1	20.0
Pyrene	1.281	1.262		-1.5	
Terphenyl-d14	1.137	1.220		7.3	
Butylbenzylphthalate	0.422	0.437		3.6	
3,3-Dichlorobenzidine	0.439	0.422		-3.9	
Benzo(a)anthracene	1.303	1.292		-0.8	
Chrysene	1.229	1.206		-1.9	
Bis(2-ethylhexyl)phthalate	0.670	0.700		4.5	
Di-n-octyl phthalate	1.050	1.069		1.8	20.0
Benzo(b)fluoranthene	1.230	1.224		-0.5	
Benzo(k)fluoranthene	1.276	1.284		0.6	
Benzo(a)pyrene	1.152	1.165		1.1	20.0
Indeno(1,2,3-cd)pyrene	1.422	1.436		1.0	
Dibenzo(a,h)anthracene	1.198	1.209		0.9	
Benzo(g,h,i)perylene	1.132	1.140		0.7	
1,2,4,5-Tetrachlorobenzene	0.636	0.622		-2.2	
1,4-Dioxane	0.478	0.451		-5.6	20.0
2,3,4,6-Tetrachlorophenol	0.360	0.358		-0.6	

All other compounds must meet a minimum RRF of 0.010.