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

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: REMI01

Lab Code: ACE SDG No.: Q3719

Instrument ID: BNA_F Calibration Date/Time: 12/01/2025 12:41

Lab File ID: BF144382.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	1.337		4.6	
Benzaldehyde	0.818	0.992		21.3	
Phenol-d6	1.448	1.478		2.1	
Phenol	1.769	1.809		2.3	20.0
bis(2-Chloroethyl)ether	1.289	1.354		5.0	
2-Chlorophenol	1.253	1.315		4.9	
2-Methylphenol	0.997	1.010		1.3	
2,2-oxybis(1-Chloropropane)	2.374	2.447		3.1	
Acetophenone	0.429	0.416		-3.0	
3+4-Methylphenols	1.175	1.167		-0.7	
n-Nitroso-di-n-propylamine	0.953	0.893	0.050	-6.3	
Nitrobenzene-d5	0.346	0.348		0.6	
Hexachloroethane	0.515	0.514		-0.2	
Nitrobenzene	0.376	0.380		1.1	
Isophorone	0.655	0.652		-0.5	
2-Nitrophenol	0.186	0.197		5.9	20.0
2,4-Dimethylphenol	0.279	0.287		2.9	
bis(2-Chloroethoxy)methane	0.409	0.424		3.7	
2,4-Dichlorophenol	0.322	0.323		0.3	20.0
Naphthalene	0.951	0.962		1.2	
4-Chloroaniline	0.347	0.353		1.7	
Hexachlorobutadiene	0.249	0.229		-8.0	20.0
Caprolactam	0.088	0.089		1.1	
4-Chloro-3-methylphenol	0.288	0.288		0.0	20.0
2-Methylnaphthalene	0.636	0.626		-1.6	
Hexachlorocyclopentadiene	0.195	0.158	0.050	-19.0	
2,4,6-Trichlorophenol	0.446	0.435		-2.5	20.0
2-Fluorobiphenyl	1.354	1.305		-3.6	
2,4,5-Trichlorophenol	0.481	0.458		-4.8	
1,1-Biphenyl	1.396	1.414		1.3	
2-Chloronaphthalene	1.191	1.192		0.1	
2-Nitroaniline	0.344	0.355		3.2	
Dimethylphthalate	1.325	1.270		-4.2	
Acenaphthylene	1.623	1.610		-0.8	
2,6-Dinitrotoluene	0.268	0.269		0.4	
3-Nitroaniline	0.293	0.301		2.7	
Acenaphthene	1.085	0.988		-8.9	20.0
2,4-Dinitrophenol	0.162	0.179	0.050	10.5	
4-Nitrophenol	0.212	0.193	0.050	-9.0	

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.520	1.474		-3.0	
2,4-Dinitrotoluene	0.359	0.357		-0.6	
Diethylphthalate	1.221	1.149		-5.9	
4-Chlorophenyl-phenylether	0.658	0.619		-5.9	
Fluorene	1.156	1.117		-3.4	
4-Nitroaniline	0.279	0.277		-0.7	
4,6-Dinitro-2-methylphenol	0.136	0.127		-6.6	
n-Nitrosodiphenylamine	0.643	0.665		3.4	20.0
2,4,6-Tribromophenol	0.251	0.225		-10.4	
4-Bromophenyl-phenylether	0.255	0.248		-2.7	
Hexachlorobenzene	0.301	0.292		-3.0	
Atrazine	0.205	0.188		-8.3	
Pentachlorophenol	0.150	0.158		5.3	20.0
Phenanthrene	0.996	1.001		0.5	
Anthracene	1.013	1.018		0.5	
Carbazole	0.861	0.877		1.9	
Di-n-butylphthalate	1.041	1.043		0.2	
Fluoranthene	1.029	1.028		-0.1	20.0
Pyrene	1.613	1.464		-9.2	
Terphenyl-d14	1.259	1.094		-13.1	
Butylbenzylphthalate	0.559	0.542		-3.0	
3,3-Dichlorobenzidine	0.475	0.489		2.9	
Benzo(a)anthracene	1.386	1.414		2.0	
Chrysene	1.280	1.240		-3.1	
Bis(2-ethylhexyl)phthalate	0.765	0.774		1.2	
Di-n-octyl phthalate	1.320	1.422		7.7	20.0
Benzo(b)fluoranthene	1.137	1.133		-0.4	
Benzo(k)fluoranthene	1.064	1.064		0.0	
Benzo(a)pyrene	1.049	1.056		0.7	20.0
Indeno(1,2,3-cd)pyrene	1.436	1.369		-4.7	
Dibenzo(a,h)anthracene	1.153	1.112		-3.6	
Benzo(g,h,i)perylene	1.139	1.089		-4.4	
1,2,4,5-Tetrachlorobenzene	0.655	0.626		-4.4	
1,4-Dioxane	0.528	0.582		10.2	20.0
2,3,4,6-Tetrachlorophenol	0.340	0.311		-8.5	

All other compounds must meet a minimum RRF of 0.010.