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: 12/02/2025 11:00

Lab File ID: BF144398.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	1.347		5.4	
Benzaldehyde	0.818	1.015		24.1	
Phenol-d6	1.448	1.447		-0.1	
Phenol	1.769	1.782		0.7	20.0
bis(2-Chloroethyl)ether	1.289	1.331		3.3	
2-Chlorophenol	1.253	1.305		4.2	
2-Methylphenol	0.997	0.964		-3.3	
2,2-oxybis(1-Chloropropane)	2.374	2.359		-0.6	
Acetophenone	0.429	0.418		-2.6	
3+4-Methylphenols	1.175	1.125		-4.3	
n-Nitroso-di-n-propylamine	0.953	0.832	0.050	-12.7	
Nitrobenzene-d5	0.346	0.347		0.3	
Hexachloroethane	0.515	0.505		-1.9	
Nitrobenzene	0.376	0.381		1.3	
Isophorone	0.655	0.620		-5.3	
2-Nitrophenol	0.186	0.196		5.4	20.0
2,4-Dimethylphenol	0.279	0.269		-3.6	
bis(2-Chloroethoxy)methane	0.409	0.408		-0.2	
2,4-Dichlorophenol	0.322	0.317		-1.6	20.0
Naphthalene	0.951	0.945		-0.6	
4-Chloroaniline	0.347	0.336		-3.2	
Hexachlorobutadiene	0.249	0.234		-6.0	20.0
Caprolactam	0.088	0.081		-8.0	
4-Chloro-3-methylphenol	0.288	0.268		-6.9	20.0
2-Methylnaphthalene	0.636	0.611		-3.9	
Hexachlorocyclopentadiene	0.195	0.161	0.050	-17.4	
2,4,6-Trichlorophenol	0.446	0.445		-0.2	20.0
2-Fluorobiphenyl	1.354	1.343		-0.8	
2,4,5-Trichlorophenol	0.481	0.475		-1.2	
1,1-Biphenyl	1.396	1.431		2.5	
2-Chloronaphthalene	1.191	1.208		1.4	
2-Nitroaniline	0.344	0.343		-0.3	
Dimethylphthalate	1.325	1.278		-3.5	
Acenaphthylene	1.623	1.628		0.3	
2,6-Dinitrotoluene	0.268	0.267		-0.4	
3-Nitroaniline	0.293	0.294		0.3	
Acenaphthene	1.085	1.004		-7.5	20.0
2,4-Dinitrophenol	0.162	0.178	0.050	9.9	
4-Nitrophenol	0.212	0.180	0.050	-15.1	

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.520	1.481		-2.6	
2,4-Dinitrotoluene	0.359	0.346		-3.6	
Diethylphthalate	1.221	1.124		-7.9	
4-Chlorophenyl-phenylether	0.658	0.619		-5.9	
Fluorene	1.156	1.148		-0.7	
4-Nitroaniline	0.279	0.276		-1.1	
4,6-Dinitro-2-methylphenol	0.136	0.128		-5.9	
n-Nitrosodiphenylamine	0.643	0.677		5.3	20.0
2,4,6-Tribromophenol	0.251	0.228		-9.2	
4-Bromophenyl-phenylether	0.255	0.245		-3.9	
Hexachlorobenzene	0.301	0.306		1.7	
Atrazine	0.205	0.184		-10.2	
Pentachlorophenol	0.150	0.151		0.7	20.0
Phenanthrene	0.996	1.008		1.2	
Anthracene	1.013	1.031		1.8	
Carbazole	0.861	0.899		4.4	
Di-n-butylphthalate	1.041	1.022		-1.8	
Fluoranthene	1.029	1.073		4.3	20.0
Pyrene	1.613	1.388		-13.9	
Terphenyl-d14	1.259	1.030		-18.2	
Butylbenzylphthalate	0.559	0.521		-6.8	
3,3-Dichlorobenzidine	0.475	0.513		8.0	
Benzo(a)anthracene	1.386	1.401		1.1	
Chrysene	1.280	1.302		1.7	
Bis(2-ethylhexyl)phthalate	0.765	0.739		-3.4	
Di-n-octyl phthalate	1.320	1.358		2.9	20.0
Benzo(b)fluoranthene	1.137	1.071		-5.8	
Benzo(k)fluoranthene	1.064	1.070		0.6	
Benzo(a)pyrene	1.049	1.060		1.0	20.0
Indeno(1,2,3-cd)pyrene	1.436	1.365		-4.9	
Dibenzo(a,h)anthracene	1.153	1.115		-3.3	
Benzo(g,h,i)perylene	1.139	1.088		-4.5	
1,2,4,5-Tetrachlorobenzene	0.655	0.673		2.7	
1,4-Dioxane	0.528	0.567		7.4	20.0
2,3,4,6-Tetrachlorophenol	0.340	0.313		-7.9	

All other compounds must meet a minimum RRF of 0.010.