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

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1574 SAS No.: Q1574 SDG No.: Q1574

Instrument ID: BNA_P Calibration Date/Time: 03/18/2025 09:46

Lab File ID: BP024179.D Init. Calib. Date(s): 03/12/2025 03/12/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:17 21:02

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.253	1.217		-2.9	
Benzaldehyde	0.809	0.676		-16.4	
Phenol-d6	1.675	1.667		-0.5	
Phenol	1.691	1.667		-1.4	20.0
bis(2-Chloroethyl)ether	1.334	1.303		-2.3	
2-Chlorophenol	1.353	1.312		-3.0	
2-Methylphenol	1.061	1.057		-0.4	
2,2-oxybis(1-Chloropropane)	1.361	1.381		1.5	
Acetophenone	0.506	0.499		-1.4	
3+4-Methylphenols	1.457	1.457		0.0	
n-Nitroso-di-n-propylamine	0.972	1.009	0.050	3.8	
Nitrobenzene-d5	0.354	0.354		0.0	
Hexachloroethane	0.529	0.513		-3.0	
Nitrobenzene	0.350	0.348		-0.6	
Isophorone	0.608	0.611		0.5	
2-Nitrophenol	0.167	0.167		0.0	20.0
2,4-Dimethylphenol	0.215	0.211		-1.9	
bis(2-Chloroethoxy)methane	0.427	0.426		-0.2	
2,4-Dichlorophenol	0.291	0.291		0.0	20.0
Naphthalene	1.060	1.026		-3.2	
4-Chloroaniline	0.379	0.383		1.1	
Hexachlorobutadiene	0.185	0.177		-4.3	20.0
Caprolactam	0.095	0.100		5.3	
4-Chloro-3-methylphenol	0.313	0.322		2.9	20.0
2-Methylnaphthalene	0.716	0.714		-0.3	
Hexachlorocyclopentadiene	0.208	0.203	0.050	-2.4	
2,4,6-Trichlorophenol	0.367	0.359		-2.2	20.0
2-Fluorobiphenyl	1.356	1.320		-2.7	
2,4,5-Trichlorophenol	0.403	0.402		-0.2	
1,1-Biphenyl	1.503	1.456		-3.1	
2-Chloronaphthalene	1.130	1.087		-3.8	
2-Nitroaniline	0.289	0.301		4.2	
Dimethylphthalate	1.399	1.368		-2.2	
Acenaphthylene	1.710	1.690		-1.2	
2,6-Dinitrotoluene	0.294	0.293		-0.3	
3-Nitroaniline	0.318	0.331		4.1	
Acenaphthene	1.093	1.065		-2.6	20.0
2,4-Dinitrophenol	0.156	0.161	0.050	3.2	
4-Nitrophenol	0.266	0.281	0.050	5.6	

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.770	1.741		-1.6	
2,4-Dinitrotoluene	0.389	0.401		3.1	
Diethylphthalate	1.394	1.408		1.0	
4-Chlorophenyl-phenylether	0.676	0.671		-0.7	
Fluorene	1.379	1.385		0.4	
4-Nitroaniline	0.334	0.352		5.4	
4,6-Dinitro-2-methylphenol	0.119	0.117		-1.7	
n-Nitrosodiphenylamine	0.607	0.600		-1.2	20.0
2,4,6-Tribromophenol	0.252	0.254		0.8	
4-Bromophenyl-phenylether	0.220	0.212		-3.6	
Hexachlorobenzene	0.260	0.250		-3.8	
Atrazine	0.147	0.131		-10.9	
Pentachlorophenol	0.168	0.172		2.4	20.0
Phenanthrene	1.093	1.063		-2.7	
Anthracene	1.064	1.047		-1.6	
Carbazole	1.026	1.032		0.6	
Di-n-butylphthalate	1.218	1.253		2.9	
Fluoranthene	1.265	1.284		1.5	20.0
Pyrene	1.243	1.202		-3.3	
Terphenyl-d14	0.969	0.961		-0.8	
Butylbenzylphthalate	0.513	0.508		-1.0	
3,3-Dichlorobenzidine	0.417	0.422		1.2	
Benzo(a)anthracene	1.243	1.219		-1.9	
Chrysene	1.195	1.150		-3.8	
Bis(2-ethylhexyl)phthalate	0.774	0.793		2.5	
Di-n-octyl phthalate	1.240	1.245		0.4	20.0
Benzo(b)fluoranthene	1.206	1.185		-1.7	
Benzo(k)fluoranthene	1.180	1.161		-1.6	
Benzo(a)pyrene	1.049	1.027		-2.1	20.0
Indeno(1,2,3-cd)pyrene	1.396	1.357		-2.8	
Dibenzo(a,h)anthracene	1.161	1.123		-3.3	
Benzo(g,h,i)perylene	1.180	1.148		-2.7	
1,2,4,5-Tetrachlorobenzene	0.578	0.548		-5.2	
1,4-Dioxane	0.497	0.477		-4.0	20.0
2,3,4,6-Tetrachlorophenol	0.356	0.353		-0.8	

All other compounds must meet a minimum RRF of 0.010.