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.: Q1690 SAS No.: Q1690 SDG No.: Q1690

Instrument ID: BNA_G Calibration Date/Time: 04/03/2025 13:04

Lab File ID: BG064164.D Init. Calib. Date(s): 03/05/2025 03/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:02 13:44

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.281	1.216		-5.1	
Benzaldehyde	1.013	0.930		-8.2	
Phenol-d6	1.742	1.737		-0.3	
Phenol	1.784	1.707		-4.3	20.0
bis(2-Chloroethyl)ether	1.399	1.271		-9.1	
2-Chlorophenol	1.376	1.358		-1.3	
2-Methylphenol	1.184	1.221		3.1	
2,2-oxybis(1-Chloropropane)	3.145	2.896		-7.9	
Acetophenone	0.548	0.522		-4.7	
3+4-Methylphenols	1.630	1.653		1.4	
n-Nitroso-di-n-propylamine	1.223	1.233	0.050	0.8	
Nitrobenzene-d5	0.362	0.386		6.6	
Hexachloroethane	0.542	0.568		4.8	
Nitrobenzene	0.374	0.395		5.6	
Isophorone	0.724	0.678		-6.4	
2-Nitrophenol	0.112	0.158		41.1	20.0
2,4-Dimethylphenol	0.217	0.222		2.3	
bis(2-Chloroethoxy)methane	0.439	0.418		-4.8	
2,4-Dichlorophenol	0.274	0.292		6.6	20.0
Naphthalene	1.078	1.071		-0.6	
4-Chloroaniline	0.394	0.399		1.3	
Hexachlorobutadiene	0.217	0.220		1.4	20.0
Caprolactam	0.105	0.111		5.7	
4-Chloro-3-methylphenol	0.359	0.397		10.6	20.0
2-Methylnaphthalene	0.761	0.798		4.9	
Hexachlorocyclopentadiene	0.161	0.224	0.050	39.1	
2,4,6-Trichlorophenol	0.337	0.362		7.4	20.0
2-Fluorobiphenyl	1.318	1.287		-2.4	
2,4,5-Trichlorophenol	0.374	0.411		9.9	
1,1-Biphenyl	1.511	1.451		-4.0	
2-Chloronaphthalene	1.102	1.045		-5.2	
2-Nitroaniline	0.318	0.396		24.5	
Dimethylphthalate	1.476	1.455		-1.4	
Acenaphthylene	1.743	1.673		-4.0	
2,6-Dinitrotoluene	0.261	0.309		18.4	
3-Nitroaniline	0.285	0.312		9.5	
Acenaphthene	1.170	1.118		-4.4	20.0
2,4-Dinitrophenol	0.102	0.153	0.050	50.0	
4-Nitrophenol	0.239	0.264	0.050	10.5	

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.895	1.831		-3.4	
2,4-Dinitrotoluene	0.357	0.438		22.7	
Diethylphthalate	1.603	1.624		1.3	
4-Chlorophenyl-phenylether	0.733	0.722		-1.5	
Fluorene	1.476	1.455		-1.4	
4-Nitroaniline	0.308	0.341		10.7	
4,6-Dinitro-2-methylphenol	0.076	0.112		47.4	
n-Nitrosodiphenylamine	0.566	0.554		-2.1	20.0
2,4,6-Tribromophenol	0.222	0.261		17.6	
4-Bromophenyl-phenylether	0.205	0.211		2.9	
Hexachlorobenzene	0.229	0.230		0.4	
Atrazine	0.167	0.145		-13.2	
Pentachlorophenol	0.142	0.157		10.6	20.0
Phenanthrene	1.067	1.041		-2.4	
Anthracene	1.061	1.047		-1.3	
Carbazole	0.990	0.973		-1.7	
Di-n-butylphthalate	1.166	1.230		5.5	
Fluoranthene	1.286	1.246		-3.1	20.0
Pyrene	1.289	1.273		-1.2	
Terphenyl-d14	0.989	0.970		-1.9	
Butylbenzylphthalate	0.423	0.546		29.1	
3,3-Dichlorobenzidine	0.415	0.435		4.8	
Benzo(a)anthracene	1.281	1.251		-2.3	
Chrysene	1.278	1.204		-5.8	
Bis(2-ethylhexyl)phthalate	0.693	0.801		15.6	
Di-n-octyl phthalate	1.195	1.386		16.0	20.0
Benzo(b)fluoranthene	1.209	1.209		0.0	
Benzo(k)fluoranthene	1.213	1.121		-7.6	
Benzo(a)pyrene	1.077	1.056		-2.0	20.0
Indeno(1,2,3-cd)pyrene	1.338	1.318		-1.5	
Dibenzo(a,h)anthracene	1.109	1.111		0.2	
Benzo(g,h,i)perylene	1.139	1.104		-3.1	
1,2,4,5-Tetrachlorobenzene	0.571	0.557		-2.5	
1,4-Dioxane	0.580	0.514		-11.4	20.0
2,3,4,6-Tetrachlorophenol	0.365	0.414		13.4	

All other compounds must meet a minimum RRF of 0.010.