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

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG No.: Q1122

Instrument ID: BNA_F Calibration Date/Time: 01/20/2025 16:58

Lab File ID: BF141226.D Init. Calib. Date(s): 01/10/2025 01/10/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 11:58 17:45

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.295	1.230		-5.0	50.0
Benzaldehyde	0.966	1.176		21.7	50.0
Phenol-d6	1.640	1.569		-4.3	50.0
Phenol	1.756	1.658		-5.6	50.0
bis(2-Chloroethyl)ether	1.308	1.274		-2.6	50.0
2-Chlorophenol	1.389	1.351		-2.7	50.0
2-Methylphenol	1.121	1.085		-3.2	50.0
2,2-oxybis(1-Chloropropane)	1.826	1.656		-9.3	50.0
Acetophenone	0.475	0.458		-3.6	50.0
3+4-Methylphenols	1.415	1.331		-5.9	50.0
n-Nitroso-di-n-propylamine	0.966	0.912	0.050	-5.6	50.0
Nitrobenzene-d5	0.377	0.373		-1.1	50.0
Hexachloroethane	0.565	0.564		-0.2	50.0
Nitrobenzene	0.393	0.384		-2.3	50.0
Isophorone	0.645	0.633		-1.9	50.0
2-Nitrophenol	0.179	0.191		6.7	50.0
2,4-Dimethylphenol	0.241	0.235		-2.5	50.0
bis(2-Chloroethoxy)methane	0.405	0.405		0.0	50.0
2,4-Dichlorophenol	0.287	0.296		3.1	50.0
Naphthalene	1.055	1.038		-1.6	50.0
4-Chloroaniline	0.365	0.310		-15.1	50.0
Hexachlorobutadiene	0.197	0.203		3.0	50.0
Caprolactam	0.094	0.092		-2.1	50.0
4-Chloro-3-methylphenol	0.313	0.312		-0.3	50.0
2-Methylnaphthalene	0.672	0.666		-0.9	50.0
Hexachlorocyclopentadiene	0.188	0.194	0.050	3.2	50.0
2,4,6-Trichlorophenol	0.387	0.389		0.5	50.0
2-Fluorobiphenyl	1.310	1.257		-4.0	50.0
2,4,5-Trichlorophenol	0.409	0.411		0.5	50.0
1,1-Biphenyl	1.553	1.493		-3.9	50.0
2-Chloronaphthalene	1.210	1.166		-3.6	50.0
2-Nitroaniline	0.359	0.344		-4.2	50.0
Dimethylphthalate	1.343	1.304		-2.9	50.0
Acenaphthylene	1.728	1.651		-4.5	50.0
2,6-Dinitrotoluene	0.312	0.311		-0.3	50.0
3-Nitroaniline	0.317	0.298		-6.0	50.0
Acenaphthene	1.208	1.177		-2.6	50.0
2,4-Dinitrophenol	0.148	0.167	0.050	12.8	50.0
4-Nitrophenol	0.248	0.231	0.050	-6.9	50.0

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.642	1.570		-4.4	50.0
2,4-Dinitrotoluene	0.402	0.407		1.2	50.0
Diethylphthalate	1.311	1.270		-3.1	50.0
4-Chlorophenyl-phenylether	0.622	0.618		-0.6	50.0
Fluorene	1.276	1.219		-4.5	50.0
4-Nitroaniline	0.311	0.293		-5.8	50.0
4,6-Dinitro-2-methylphenol	0.116	0.141		21.6	50.0
n-Nitrosodiphenylamine	0.645	0.658		2.0	50.0
2,4,6-Tribromophenol	0.228	0.235		3.1	50.0
4-Bromophenyl-phenylether	0.230	0.244		6.1	50.0
Hexachlorobenzene	0.256	0.274		7.0	50.0
Atrazine	0.174	0.198		13.8	50.0
Pentachlorophenol	0.164	0.176		7.3	50.0
Phenanthrene	1.074	1.078		0.4	50.0
Anthracene	1.044	1.048		0.4	50.0
Carbazole	0.957	0.937		-2.1	50.0
Di-n-butylphthalate	1.096	1.144		4.4	50.0
Fluoranthene	1.071	1.059		-1.1	50.0
Pyrene	1.910	1.911		0.1	50.0
Terphenyl-d14	1.346	1.362		1.2	50.0
Butylbenzylphthalate	0.637	0.666		4.6	50.0
3,3-Dichlorobenzidine	0.433	0.428		-1.2	50.0
Benzo(a)anthracene	1.361	1.289		-5.3	50.0
Chrysene	1.274	1.233		-3.2	50.0
Bis(2-ethylhexyl)phthalate	0.764	0.785		2.7	50.0
Di-n-octyl phthalate	1.154	1.216		5.4	50.0
Benzo(b)fluoranthene	1.290	1.184		-8.2	50.0
Benzo(k)fluoranthene	1.090	1.058		-2.9	50.0
Benzo(a)pyrene	1.064	1.040		-2.3	50.0
Indeno(1,2,3-cd)pyrene	1.465	1.455		-0.7	50.0
Dibenzo(a,h)anthracene	1.185	1.189		0.3	50.0
Benzo(g,h,i)perylene	1.233	1.230		-0.2	50.0
1,2,4,5-Tetrachlorobenzene	0.574	0.565		-1.6	50.0
1,4-Dioxane	0.577	0.525		-9.0	50.0
2,3,4,6-Tetrachlorophenol	0.340	0.331		-2.6	50.0

All other compounds must meet a minimum RRF of 0.010.