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

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: BAPS03

Lab Code: CHEM Case No.: P4822 SAS No.: P4822 SDG No.: P4822

Instrument ID: BNA_F Calibration Date/Time: 11/18/2024 10:13

Lab File ID: BF140443.D Init. Calib. Date(s): 11/13/2024 11/13/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 12:48

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.171	1.135		-3.1	
Benzaldehyde	0.951	0.765		-19.6	
Phenol-d6	1.587	1.499		-5.5	
Phenol	1.674	1.571		-6.2	20.0
bis(2-Chloroethyl)ether	1.268	1.213		-4.3	
2-Chlorophenol	1.258	1.220		-3.0	
2-Methylphenol	1.035	0.990		-4.3	
2,2-oxybis(1-Chloropropane)	1.752	1.612		-8.0	
Acetophenone	0.465	0.452		-2.8	
3+4-Methylphenols	1.295	1.212		-6.4	
n-Nitroso-di-n-propylamine	0.959	0.871	0.050	-9.2	
Nitrobenzene-d5	0.384	0.377		-1.8	
Hexachloroethane	0.520	0.516		-0.8	
Nitrobenzene	0.400	0.391		-2.3	
Isophorone	0.680	0.648		-4.7	
2-Nitrophenol	0.177	0.180		1.7	20.0
2,4-Dimethylphenol	0.227	0.223		-1.8	
bis(2-Chloroethoxy)methane	0.417	0.404		-3.1	
2,4-Dichlorophenol	0.281	0.280		-0.4	20.0
Naphthalene	1.015	0.999		-1.6	
4-Chloroaniline	0.353	0.324		-8.2	
Hexachlorobutadiene	0.199	0.203		2.0	20.0
Caprolactam	0.093	0.088		-5.4	
4-Chloro-3-methylphenol	0.311	0.303		-2.6	20.0
2-Methylnaphthalene	0.651	0.642		-1.4	
Hexachlorocyclopentadiene	0.142	0.127	0.050	-10.6	
2,4,6-Trichlorophenol	0.363	0.369		1.7	20.0
2-Fluorobiphenyl	1.244	1.230		-1.1	
2,4,5-Trichlorophenol	0.397	0.391		-1.5	
1,1-Biphenyl	1.455	1.449		-0.4	
2-Chloronaphthalene	1.108	1.094		-1.3	
2-Nitroaniline	0.368	0.354		-3.8	
Dimethylphthalate	1.304	1.279		-1.9	
Acenaphthylene	1.677	1.643		-2.0	
2,6-Dinitrotoluene	0.297	0.294		-1.0	
3-Nitroaniline	0.312	0.300		-3.8	
Acenaphthene	1.133	1.124		-0.8	20.0
2,4-Dinitrophenol	0.153	0.141	0.050	-7.8	
4-Nitrophenol	0.228	0.200	0.050	-12.7	

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.603	1.577		-1.6	
2,4-Dinitrotoluene	0.391	0.386		-1.3	
Diethylphthalate	1.333	1.292		-3.1	
4-Chlorophenyl-phenylether	0.625	0.630		0.8	
Fluorene	1.267	1.233		-2.7	
4-Nitroaniline	0.319	0.299		-6.3	
4,6-Dinitro-2-methylphenol	0.108	0.114		5.6	
n-Nitrosodiphenylamine	0.578	0.582		0.7	20.0
2,4,6-Tribromophenol	0.199	0.197		-1.0	
4-Bromophenyl-phenylether	0.200	0.202		1.0	
Hexachlorobenzene	0.225	0.230		2.2	
Atrazine	0.175	0.151		-13.7	
Pentachlorophenol	0.121	0.114		-5.8	20.0
Phenanthrene	0.940	0.912		-3.0	
Anthracene	0.921	0.909		-1.3	
Carbazole	0.909	0.879		-3.3	
Di-n-butylphthalate	1.091	1.076		-1.4	
Fluoranthene	1.054	0.995		-5.6	20.0
Pyrene	1.711	1.930		12.8	
Terphenyl-d14	1.152	1.302		13.0	
Butylbenzylphthalate	0.657	0.725		10.4	
3,3-Dichlorobenzidine	0.418	0.399		-4.5	
Benzo(a)anthracene	1.314	1.317		0.2	
Chrysene	1.199	1.195		-0.3	
Bis(2-ethylhexyl)phthalate	0.877	0.911		3.9	
Di-n-octyl phthalate	1.235	1.195		-3.2	20.0
Benzo(b)fluoranthene	1.308	1.228		-6.1	
Benzo(k)fluoranthene	1.069	0.973		-9.0	
Benzo(a)pyrene	1.016	1.011		-0.5	20.0
Indeno(1,2,3-cd)pyrene	1.235	1.378		11.6	
Dibenzo(a,h)anthracene	1.021	1.147		12.3	
Benzo(g,h,i)perylene	1.044	1.170		12.1	
1,2,4,5-Tetrachlorobenzene	0.553	0.560		1.3	
1,4-Dioxane	0.522	0.509		-2.5	20.0
2,3,4,6-Tetrachlorophenol	0.313	0.303		-3.2	

All other compounds must meet a minimum RRF of 0.010.