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

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4578 SAS No.: P4578 SDG No.: P4578

Instrument ID: BNA_F Calibration Date/Time: 10/30/2024 12:50

Lab File ID: BF140152.D Init. Calib. Date(s): 10/18/2024 10/18/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:27 13:46

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.278	1.251		-2.1	
Benzaldehyde	0.931	0.947		1.7	
Phenol-d6	1.655	1.614		-2.5	
Phenol	1.706	1.677		-1.7	20.0
bis(2-Chloroethyl)ether	1.319	1.299		-1.5	
2-Chlorophenol	1.306	1.283		-1.8	
2-Methylphenol	1.114	1.110		-0.4	
2,2-oxybis(1-Chloropropane)	2.248	2.246		-0.1	
Acetophenone	0.490	0.493		0.6	
3+4-Methylphenols	1.424	1.392		-2.2	
n-Nitroso-di-n-propylamine	1.004	0.987	0.050	-1.7	
Nitrobenzene-d5	0.361	0.403		11.6	
Hexachloroethane	0.534	0.572		7.1	
Nitrobenzene	0.396	0.423		6.8	
Isophorone	0.685	0.698		1.9	
2-Nitrophenol	0.149	0.185		24.2	20.0
2,4-Dimethylphenol	0.249	0.243		-2.4	
bis(2-Chloroethoxy)methane	0.415	0.422		1.7	
2,4-Dichlorophenol	0.283	0.293		3.5	20.0
Naphthalene	1.031	1.048		1.6	
4-Chloroaniline	0.352	0.314		-10.8	
Hexachlorobutadiene	0.197	0.215		9.1	20.0
Caprolactam	0.090	0.098		8.9	
4-Chloro-3-methylphenol	0.314	0.326		3.8	20.0
2-Methylnaphthalene	0.632	0.653		3.3	
Hexachlorocyclopentadiene	0.188	0.206	0.050	9.6	
2,4,6-Trichlorophenol	0.382	0.410		7.3	20.0
2-Fluorobiphenyl	1.210	1.261		4.2	
2,4,5-Trichlorophenol	0.394	0.412		4.6	
1,1-Biphenyl	1.392	1.428		2.6	
2-Chloronaphthalene	1.121	1.150		2.6	
2-Nitroaniline	0.343	0.410		19.5	
Dimethylphthalate	1.246	1.313		5.4	
Acenaphthylene	1.621	1.674		3.3	
2,6-Dinitrotoluene	0.270	0.307		13.7	
3-Nitroaniline	0.278	0.308		10.8	
Acenaphthene	1.049	1.117		6.5	20.0
2,4-Dinitrophenol	0.093	0.172	0.050	84.9	
4-Nitrophenol	0.214	0.253	0.050	18.2	

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.505	1.543		2.5	
2,4-Dinitrotoluene	0.332	0.413		24.4	
Diethylphthalate	1.223	1.315		7.5	
4-Chlorophenyl-phenylether	0.579	0.612		5.7	
Fluorene	1.146	1.194		4.2	
4-Nitroaniline	0.263	0.320		21.7	
4,6-Dinitro-2-methylphenol	0.082	0.127		54.9	
n-Nitrosodiphenylamine	0.599	0.585		-2.3	20.0
2,4,6-Tribromophenol	0.187	0.210		12.3	
4-Bromophenyl-phenylether	0.206	0.210		1.9	
Hexachlorobenzene	0.232	0.236		1.7	
Atrazine	0.162	0.168		3.7	
Pentachlorophenol	0.141	0.161		14.2	20.0
Phenanthrene	0.945	0.948		0.3	
Anthracene	0.922	0.924		0.2	
Carbazole	0.857	0.875		2.1	
Di-n-butylphthalate	0.990	1.081		9.2	
Fluoranthene	0.955	1.004		5.1	20.0
Pyrene	1.751	1.697		-3.1	
Terphenyl-d14	1.227	1.240		1.1	
Butylbenzylphthalate	0.525	0.670		27.6	
3,3-Dichlorobenzidine	0.380	0.419		10.3	
Benzo(a)anthracene	1.302	1.276		-2.0	
Chrysene	1.194	1.259		5.4	
Bis(2-ethylhexyl)phthalate	0.589	0.876		48.7	
Di-n-octyl phthalate	1.071	1.375		28.4	20.0
Benzo(b)fluoranthene	1.218	1.180		-3.1	
Benzo(k)fluoranthene	1.051	1.187		12.9	
Benzo(a)pyrene	1.002	1.048		4.6	20.0
Indeno(1,2,3-cd)pyrene	1.287	1.326		3.0	
Dibenzo(a,h)anthracene	1.073	1.091		1.7	
Benzo(g,h,i)perylene	1.072	1.109		3.5	
1,2,4,5-Tetrachlorobenzene	0.540	0.571		5.7	
1,4-Dioxane	0.596	0.546		-8.4	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.334		8.1	

All other compounds must meet a minimum RRF of 0.010.