

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CLOU03
Lab Code: CHEM Case No.: P4779 SAS No.: P4779 SDG No.: P4779
Instrument ID: BNA_E Calibration Date/Time: 11/11/2024 10:19
Lab File ID: BE101564.D Init. Calib. Date(s): 11/06/2024 11/06/2024
EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:51 18:02
GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.131	1.139		0.7	
Benzaldehyde	0.759	0.613		-19.2	
Phenol-d6	1.551	1.527		-1.5	
Phenol	1.688	1.669		-1.1	20.0
bis(2-Chloroethyl)ether	1.397	1.470		5.2	
2-Chlorophenol	1.340	1.318		-1.6	
2-Methylphenol	1.093	1.063		-2.7	
2,2-oxybis(1-Chloropropane)	1.654	1.652		-0.1	
Acetophenone	0.453	0.448		-1.1	
3+4-Methylphenols	1.515	1.447		-4.5	
n-Nitroso-di-n-propylamine	1.023	0.985	0.050	-3.7	
Nitrobenzene-d5	0.317	0.328		3.5	
Hexachloroethane	0.500	0.500		0.0	
Nitrobenzene	0.329	0.341		3.6	
Isophorone	0.616	0.607		-1.5	
2-Nitrophenol	0.175	0.176		0.6	20.0
2,4-Dimethylphenol	0.203	0.202		-0.5	
bis(2-Chloroethoxy)methane	0.377	0.369		-2.1	
2,4-Dichlorophenol	0.288	0.284		-1.4	20.0
Naphthalene	1.010	1.008		-0.2	
4-Chloroaniline	0.355	0.352		-0.8	
Hexachlorobutadiene	0.198	0.196		-1.0	20.0
Caprolactam	0.106	0.104		-1.9	
4-Chloro-3-methylphenol	0.314	0.307		-2.2	20.0
2-Methylnaphthalene	0.717	0.702		-2.1	
Hexachlorocyclopentadiene	0.154	0.177	0.050	14.9	
2,4,6-Trichlorophenol	0.362	0.364		0.6	20.0
2-Fluorobiphenyl	1.225	1.263		3.1	
2,4,5-Trichlorophenol	0.403	0.410		1.7	
1,1-Biphenyl	1.380	1.394		1.0	
2-Chloronaphthalene	1.088	1.094		0.6	
2-Nitroaniline	0.288	0.314		9.0	
Dimethylphthalate	1.424	1.413		-0.8	
Acenaphthylene	1.622	1.641		1.2	
2,6-Dinitrotoluene	0.329	0.332		0.9	
3-Nitroaniline	0.319	0.346		8.5	
Acenaphthene	1.035	1.053		1.7	20.0
2,4-Dinitrophenol	0.193	0.212	0.050	9.8	
4-Nitrophenol	0.264	0.290	0.050	9.8	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.666	1.666		0.0	
2,4-Dinitrotoluene	0.462	0.483		4.5	
Diethylphthalate	1.502	1.505		0.2	
4-Chlorophenyl-phenylether	0.706	0.698		-1.1	
Fluorene	1.391	1.415		1.7	
4-Nitroaniline	0.344	0.376		9.3	
4,6-Dinitro-2-methylphenol	0.119	0.128		7.6	
n-Nitrosodiphenylamine	0.531	0.532		0.2	20.0
2,4,6-Tribromophenol	0.376	0.369		-1.9	
4-Bromophenyl-phenylether	0.221	0.213		-3.6	
Hexachlorobenzene	0.290	0.283		-2.4	
Atrazine	0.157	0.160		1.9	
Pentachlorophenol	0.158	0.168		6.3	20.0
Phenanthrene	0.973	0.979		0.6	
Anthracene	0.961	0.973		1.2	
Carbazole	0.963	1.000		3.8	
Di-n-butylphthalate	1.190	1.206		1.3	
Fluoranthene	1.247	1.288		3.3	20.0
Pyrene	1.138	1.146		0.7	
Terphenyl-d14	0.904	0.916		1.3	
Butylbenzylphthalate	0.511	0.516		1.0	
3,3-Dichlorobenzidine	0.468	0.486		3.8	
Benzo (a) anthracene	1.188	1.211		1.9	
Chrysene	1.129	1.144		1.3	
Bis(2-ethylhexyl)phthalate	0.773	0.763		-1.3	
Di-n-octyl phthalate	1.308	1.288		-1.5	20.0
Benzo (b) fluoranthene	1.097	1.125		2.6	
Benzo (k) fluoranthene	0.996	1.055		5.9	
Benzo (a) pyrene	0.947	0.953		0.6	20.0
Indeno (1,2,3-cd) pyrene	1.374	1.369		-0.4	
Dibenzo (a,h) anthracene	1.145	1.138		-0.6	
Benzo (g,h,i) perylene	1.163	1.142		-1.8	
1,2,4,5-Tetrachlorobenzene	0.527	0.532		0.9	
1,4-Dioxane	0.421	0.420		-0.2	20.0
2,3,4,6-Tetrachlorophenol	0.373	0.374		0.3	

All other compounds must meet a minimum RRF of 0.010.