

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4460 SAS No.: P4460 SDG No.: P4460

Instrument ID: BNA_M Calibration Date/Time: 10/25/2024 08:49

Lab File ID: BM048228.D Init. Calib. Date(s): 10/23/2024 10/23/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:26 17:02

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.190	1.150		-3.4	
Benzaldehyde	0.761	0.656		-13.8	
Phenol-d6	1.550	1.488		-4.0	
Phenol	1.559	1.504		-3.5	20.0
bis(2-Chloroethyl)ether	1.242	1.206		-2.9	
2-Chlorophenol	1.293	1.249		-3.4	
2-Methylphenol	1.036	0.994		-4.1	
2,2-oxybis(1-Chloropropane)	1.816	1.761		-3.0	
Acetophenone	0.488	0.480		-1.6	
3+4-Methylphenols	1.435	1.367		-4.7	
n-Nitroso-di-n-propylamine	0.980	0.926	0.050	-5.5	
Nitrobenzene-d5	0.354	0.351		-0.8	
Hexachloroethane	0.555	0.537		-3.2	
Nitrobenzene	0.367	0.362		-1.4	
Isophorone	0.649	0.616		-5.1	
2-Nitrophenol	0.169	0.167		-1.2	20.0
2,4-Dimethylphenol	0.206	0.201		-2.4	
bis(2-Chloroethoxy)methane	0.411	0.404		-1.7	
2,4-Dichlorophenol	0.296	0.294		-0.7	20.0
Naphthalene	1.043	1.014		-2.8	
4-Chloroaniline	0.338	0.347		2.7	
Hexachlorobutadiene	0.210	0.208		-1.0	20.0
Caprolactam	0.096	0.088		-8.3	
4-Chloro-3-methylphenol	0.309	0.294		-4.9	20.0
2-Methylnaphthalene	0.697	0.672		-3.6	
Hexachlorocyclopentadiene	0.193	0.203	0.050	5.2	
2,4,6-Trichlorophenol	0.379	0.380		0.3	20.0
2-Fluorobiphenyl	1.303	1.310		0.5	
2,4,5-Trichlorophenol	0.423	0.425		0.5	
1,1-Biphenyl	1.428	1.430		0.1	
2-Chloronaphthalene	1.126	1.129		0.3	
2-Nitroaniline	0.305	0.306		0.3	
Dimethylphthalate	1.365	1.301		-4.7	
Acenaphthylene	1.643	1.624		-1.2	
2,6-Dinitrotoluene	0.305	0.299		-2.0	
3-Nitroaniline	0.287	0.295		2.8	
Acenaphthene	1.044	1.027		-1.6	20.0
2,4-Dinitrophenol	0.178	0.163	0.050	-8.4	
4-Nitrophenol	0.256	0.244	0.050	-4.7	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.658	1.615		-2.6	
2,4-Dinitrotoluene	0.402	0.396		-1.5	
Diethylphthalate	1.382	1.330		-3.8	
4-Chlorophenyl-phenylether	0.656	0.650		-0.9	
Fluorene	1.311	1.289		-1.7	
4-Nitroaniline	0.297	0.299		0.7	
4,6-Dinitro-2-methylphenol	0.116	0.117		0.9	
n-Nitrosodiphenylamine	0.549	0.548		-0.2	20.0
2,4,6-Tribromophenol	0.245	0.240		-2.0	
4-Bromophenyl-phenylether	0.203	0.201		-1.0	
Hexachlorobenzene	0.244	0.241		-1.2	
Atrazine	0.154	0.143		-7.1	
Pentachlorophenol	0.160	0.163		1.9	20.0
Phenanthrene	0.990	0.970		-2.0	
Anthracene	0.959	0.957		-0.2	
Carbazole	0.940	0.903		-3.9	
Di-n-butylphthalate	1.170	1.145		-2.1	
Fluoranthene	1.181	1.133		-4.1	20.0
Pyrene	1.339	1.344		0.4	
Terphenyl-d14	0.980	1.001		2.1	
Butylbenzylphthalate	0.560	0.554		-1.1	
3,3-Dichlorobenzidine	0.438	0.422		-3.7	
Benzo (a) anthracene	1.278	1.251		-2.1	
Chrysene	1.227	1.200		-2.2	
Bis(2-ethylhexyl)phthalate	0.814	0.808		-0.7	
Di-n-octyl phthalate	1.409	1.351		-4.1	20.0
Benzo (b) fluoranthene	1.147	1.151		0.3	
Benzo (k) fluoranthene	1.109	1.117		0.7	
Benzo (a) pyrene	0.997	0.998		0.1	20.0
Indeno (1,2,3-cd) pyrene	1.323	1.323		0.0	
Dibenzo (a,h) anthracene	1.101	1.112		1.0	
Benzo (g,h,i) perylene	1.128	1.131		0.3	
1,2,4,5-Tetrachlorobenzene	0.572	0.576		0.7	
1,4-Dioxane	0.487	0.470		-3.5	20.0
2,3,4,6-Tetrachlorophenol	0.351	0.345		-1.7	

All other compounds must meet a minimum RRF of 0.010.