

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_E Calibration Date/Time: 10/31/2024 10:18

Lab File ID: BE101425.D Init. Calib. Date(s): 10/28/2024 10/28/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:44 16:01

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.141	1.094		-4.1	
Benzaldehyde	0.764	0.817		6.9	
Phenol-d6	1.582	1.584		0.1	
Phenol	1.717	1.778		3.6	20.0
bis(2-Chloroethyl)ether	1.408	1.294		-8.1	
2-Chlorophenol	1.369	1.362		-0.5	
2-Methylphenol	1.162	1.178		1.4	
2,2-oxybis(1-Chloropropane)	1.772	1.839		3.8	
Acetophenone	0.454	0.457		0.7	
3+4-Methylphenols	1.604	1.682		4.9	
n-Nitroso-di-n-propylamine	1.050	1.180	0.050	12.4	
Nitrobenzene-d5	0.318	0.320		0.6	
Hexachloroethane	0.492	0.501		1.8	
Nitrobenzene	0.339	0.338		-0.3	
Isophorone	0.621	0.640		3.1	
2-Nitrophenol	0.164	0.173		5.5	20.0
2,4-Dimethylphenol	0.206	0.203		-1.5	
bis(2-Chloroethoxy)methane	0.377	0.389		3.2	
2,4-Dichlorophenol	0.285	0.290		1.8	20.0
Naphthalene	1.019	0.988		-3.0	
4-Chloroaniline	0.354	0.381		7.6	
Hexachlorobutadiene	0.184	0.184		0.0	20.0
Caprolactam	0.109	0.107		-1.8	
4-Chloro-3-methylphenol	0.325	0.324		-0.3	20.0
2-Methylnaphthalene	0.734	0.728		-0.8	
Hexachlorocyclopentadiene	0.166	0.178	0.050	7.2	
2,4,6-Trichlorophenol	0.346	0.354		2.3	20.0
2-Fluorobiphenyl	1.181	1.186		0.4	
2,4,5-Trichlorophenol	0.396	0.394		-0.5	
1,1-Biphenyl	1.370	1.351		-1.4	
2-Chloronaphthalene	1.083	1.070		-1.2	
2-Nitroaniline	0.291	0.305		4.8	
Dimethylphthalate	1.412	1.382		-2.1	
Acenaphthylene	1.601	1.590		-0.7	
2,6-Dinitrotoluene	0.326	0.322		-1.2	
3-Nitroaniline	0.324	0.337		4.0	
Acenaphthene	1.045	1.022		-2.2	20.0
2,4-Dinitrophenol	0.198	0.196	0.050	-1.0	
4-Nitrophenol	0.297	0.276	0.050	-7.1	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.666	1.622		-2.6	
2,4-Dinitrotoluene	0.449	0.453		0.9	
Diethylphthalate	1.477	1.447		-2.0	
4-Chlorophenyl-phenylether	0.692	0.689		-0.4	
Fluorene	1.394	1.372		-1.6	
4-Nitroaniline	0.361	0.361		0.0	
4,6-Dinitro-2-methylphenol	0.118	0.121		2.5	
n-Nitrosodiphenylamine	0.530	0.534		0.8	20.0
2,4,6-Tribromophenol	0.351	0.354		0.9	
4-Bromophenyl-phenylether	0.210	0.215		2.4	
Hexachlorobenzene	0.276	0.278		0.7	
Atrazine	0.163	0.162		-0.6	
Pentachlorophenol	0.159	0.171		7.5	20.0
Phenanthrene	0.958	0.952		-0.6	
Anthracene	0.935	0.944		1.0	
Carbazole	0.957	0.950		-0.7	
Di-n-butylphthalate	1.053	1.131		7.4	
Fluoranthene	1.163	1.164		0.1	20.0
Pyrene	1.100	1.121		1.9	
Terphenyl-d14	0.869	0.814		-6.3	
Butylbenzylphthalate	0.482	0.510		5.8	
3,3-Dichlorobenzidine	0.440	0.469		6.6	
Benzo (a) anthracene	1.124	1.135		1.0	
Chrysene	1.087	1.082		-0.5	
Bis(2-ethylhexyl)phthalate	0.641	0.711		10.9	
Di-n-octyl phthalate	1.051	1.156		10.0	20.0
Benzo (b) fluoranthene	1.042	1.047		0.5	
Benzo (k) fluoranthene	0.974	1.007		3.4	
Benzo (a) pyrene	0.912	0.929		1.9	20.0
Indeno (1,2,3-cd) pyrene	1.338	1.335		-0.2	
Dibenzo (a,h) anthracene	1.106	1.121		1.4	
Benzo (g,h,i) perylene	1.140	1.126		-1.2	
1,2,4,5-Tetrachlorobenzene	0.502	0.502		0.0	
1,4-Dioxane	0.426	0.376		-11.7	20.0
2,3,4,6-Tetrachlorophenol	0.366	0.367		0.3	

All other compounds must meet a minimum RRF of 0.010.