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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4495 SAS No.: P4495 SDG No.: P4495

Instrument ID: BNA_F Calibration Date/Time: 10/26/2024 10:38

Lab File ID: BF140050.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
n-Nitrosodimethylamine	0.793	0.741		-6.6	
Pyridine	1.476	1.426		-3.4	
2-Fluorophenol	1.278	1.220		-4.5	
Benzaldehyde	0.931	0.910		-2.3	
Aniline	1.542	1.432		-7.1	
Phenol-d6	1.655	1.531		-7.5	
Phenol	1.706	1.580		-7.4	20.0
bis(2-Chloroethyl) ether	1.319	1.223		-7.3	
2-Chlorophenol	1.306	1.244		-4.7	
1,2-Dichlorobenzene	1.398	1.369		-2.1	
1,3-Dichlorobenzene	1.499	1.477		-1.5	
1,4-Dichlorobenzene	1.498	1.482		-1.1	20.0
Benzyl Alcohol	1.214	1.129		-7.0	
2-Methylphenol	1.114	1.029		-7.6	
2,2-oxybis(1-Chloropropane)	2.248	1.911		-15.0	
Acetophenone	0.490	0.475		-3.1	
3+4-Methylphenols	1.424	1.308		-8.1	
n-Nitroso-di-n-propylamine	1.004	0.873	0.050	-13.0	
Nitrobenzene-d5	0.361	0.380		5.3	
Hexachloroethane	0.534	0.520		-2.6	
Nitrobenzene	0.396	0.399		0.8	
Isophorone	0.685	0.645		-5.8	
2-Nitrophenol	0.149	0.164		10.1	20.0
2,4-Dimethylphenol	0.249	0.232		-6.8	
bis(2-Chloroethoxy) methane	0.415	0.393		-5.3	
2,4-Dichlorophenol	0.283	0.279		-1.4	20.0
1,2,4-Trichlorobenzene	0.314	0.319		1.6	
Benzoic acid	0.217	0.211		-2.8	
Naphthalene	1.031	1.028		-0.3	
4-Chloroaniline	0.352	0.343		-2.6	
Hexachlorobutadiene	0.197	0.204		3.6	20.0
Caprolactam	0.090	0.088		-2.2	
4-Chloro-3-methylphenol	0.314	0.307		-2.2	20.0
2-Methylnaphthalene	0.632	0.618		-2.2	
Hexachlorocyclopentadiene	0.188	0.191	0.050	1.6	
2,4,6-Trichlorophenol	0.382	0.374		-2.1	20.0
2-Fluorobiphenyl	1.210	1.211		0.1	
2,4,5-Trichlorophenol	0.394	0.414		5.1	
1,1-Biphenyl	1.392	1.391		-0.1	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.121	1.129		0.7	
2-Nitroaniline	0.343	0.375		9.3	
Dimethylphthalate	1.246	1.229		-1.4	
Acenaphthylene	1.621	1.628		0.4	
2,6-Dinitrotoluene	0.270	0.290		7.4	
3-Nitroaniline	0.278	0.298		7.2	
Acenaphthene	1.049	1.058		0.9	20.0
2,4-Dinitrophenol	0.093	0.126	0.050	35.5	
4-Nitrophenol	0.214	0.229	0.050	7.0	
Dibenzofuran	1.505	1.491		-0.9	
2,4-Dinitrotoluene	0.332	0.383		15.4	
Diethylphthalate	1.223	1.181		-3.4	
4-Chlorophenyl-phenylether	0.579	0.581		0.3	
Fluorene	1.146	1.149		0.3	
4-Nitroaniline	0.263	0.289		9.9	
4,6-Dinitro-2-methylphenol	0.082	0.104		26.8	
n-Nitrosodiphenylamine	0.599	0.572		-4.5	20.0
Azobenzene	1.297	1.197		-7.7	
2,4,6-Tribromophenol	0.187	0.204		9.1	
4-Bromophenyl-phenylether	0.206	0.202		-1.9	
Hexachlorobenzene	0.232	0.233		0.4	
Atrazine	0.162	0.156		-3.7	
Pentachlorophenol	0.141	0.152		7.8	20.0
Phenanthrene	0.945	0.913		-3.4	
Anthracene	0.922	0.901		-2.3	
Carbazole	0.857	0.832		-2.9	
Di-n-butylphthalate	0.990	0.946		-4.4	
Fluoranthene	0.955	0.965		1.0	20.0
Benzidine	0.329	0.451		37.1	
Pyrene	1.751	1.811		3.4	
Terphenyl-d14	1.227	1.258		2.5	
Butylbenzylphthalate	0.525	0.551		5.0	
3,3-Dichlorobenzidine	0.380	0.409		7.6	
Benzo(a)anthracene	1.302	1.311		0.7	
Chrysene	1.194	1.157		-3.1	
Bis(2-ethylhexyl)phthalate	0.589	0.606		2.9	
Di-n-octyl phthalate	1.071	0.894		-16.5	20.0
Benzo(b)fluoranthene	1.218	1.154		-5.3	
Benzo(k)fluoranthene	1.051	1.063		1.1	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	1.002	1.013		1.1	20.0
Indeno(1,2,3-cd)pyrene	1.287	1.303		1.2	
Dibenzo(a,h)anthracene	1.073	1.070		-0.3	
Benzo(g,h,i)perylene	1.072	1.111		3.6	
1,2,4,5-Tetrachlorobenzene	0.540	0.555		2.8	
1,4-Dioxane	0.596	0.584		-2.0	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.315		1.9	
1-Methylnaphthalene	0.620	0.605		-2.4	

All other compounds must meet a minimum RRF of 0.010.