284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ARDM01

Lab Code: CHEM Case No.: P5192 SAS No.: P5192 SDG No.: P5192

Instrument ID: BNA_F Calibration Date/Time: 12/16/2024 14:26

Lab File ID: BF140859.D Init. Calib. Date(s):

EPA Sample No.: SSTDICCC040 Init. Calib. Time(s):

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.611	0.603		-1.3	
2-Fluorophenol	1.215	1.199		-1.3	
Phenol-d6	1.609	1.567		-2.6	
Phenol	1.668	1.630		-2.3	20.0
bis(2-Chloroethyl)ether	1.244	1.227		-1.4	
2-Chlorophenol	1.325	1.301		-1.8	
2,2-oxybis(1-Chloropropane)	1.465	1.438		-1.8	
n-Nitroso-di-n-propylamine	0.965	0.922	0.050	-4.5	
Nitrobenzene-d5	0.400	0.393		-1.8	
Hexachloroethane	0.570	0.556		-2.5	
Nitrobenzene	0.410	0.402		-2.0	
Isophorone	0.670	0.651		-2.8	
2-Nitrophenol	0.189	0.187		-1.1	20.0
2,4-Dimethylphenol	0.220	0.220		0.0	
bis(2-Chloroethoxy)methane	0.418	0.417		-0.2	
2,4-Dichlorophenol	0.304	0.299		-1.6	20.0
1,2,4-Trichlorobenzene	0.349	0.341		-2.3	
Naphthalene	1.099	1.067		-2.9	
Hexachlorobutadiene	0.235	0.232		-1.3	20.0
4-Chloro-3-methylphenol	0.342	0.338		-1.2	20.0
Hexachlorocyclopentadiene	0.153	0.142	0.050	-7.2	
2,4,6-Trichlorophenol	0.376	0.364		-3.2	20.0
2-Fluorobiphenyl	1.455	1.369		-5.9	
2-Chloronaphthalene	1.217	1.169		-3.9	
Dimethylphthalate	1.410	1.359		-3.6	
Acenaphthylene	1.788	1.734		-3.0	
2,6-Dinitrotoluene	0.322	0.312		-3.1	
Acenaphthene	1.142	1.113		-2.5	20.0
2,4-Dinitrophenol	0.132	0.134	0.050	1.5	
4-Nitrophenol	0.150	0.165	0.050	10.0	
2,4-Dinitrotoluene	0.424	0.419		-1.2	
Diethylphthalate	1.462	1.439		-1.6	
4-Chlorophenyl-phenylether	0.733	0.716		-2.3	
Fluorene	1.460	1.444		-1.1	
4,6-Dinitro-2-methylphenol	0.113	0.117		3.5	
n-Nitrosodiphenylamine	0.615	0.599		-2.6	20.0
Azobenzene	1.375	1.368		-0.5	
2,4,6-Tribromophenol	0.237	0.240		1.3	
4-Bromophenyl-phenylether	0.224	0.220		-1.8	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Hexachlorobenzene	0.254	0.246		-3.2	
Pentachlorophenol	0.093	0.098		5.4	20.0
Phenanthrene	1.028	0.983		-4.4	
Anthracene	1.013	0.970		-4.2	
Di-n-butylphthalate	1.164	1.129		-3.0	
Fluoranthene	1.184	1.130		-4.6	20.0
Benzidine	0.408	0.404		-1.0	
Pyrene	1.779	1.699		-4.5	
Terphenyl-d14	1.268	1.206		-4.9	
Butylbenzylphthalate	0.654	0.646		-1.2	
3,3-Dichlorobenzidine	0.428	0.412		-3.7	
Benzo(a)anthracene	1.417	1.359		-4.1	
Chrysene	1.289	1.271		-1.4	
Bis(2-ethylhexyl)phthalate	0.844	0.821		-2.7	
Di-n-octyl phthalate	1.277	1.223		-4.2	20.0
Benzo(b)fluoranthene	1.388	1.294		-6.8	
Benzo(k)fluoranthene	1.191	1.224		2.8	
Benzo(a)pyrene	1.087	1.073		-1.3	20.0
Indeno(1,2,3-cd)pyrene	1.248	1.269		1.7	
Dibenzo(a,h)anthracene	1.034	1.058		2.3	
Benzo(g,h,i)perylene	1.052	1.073		2.0	

All other compounds must meet a minimum RRF of 0.010.