284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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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: 12/17/2024 09:24

Lab File ID: BF140872.D Init. Calib. Date(s): 12/16/2024 12/16/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:13 16:15

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.611	0.592		-3.1	
2-Fluorophenol	1.215	1.279		5.3	
Phenol-d6	1.609	1.590		-1.2	
Phenol	1.668	1.641		-1.6	20.0
bis(2-Chloroethyl)ether	1.244	1.251		0.6	
2-Chlorophenol	1.325	1.299		-2.0	
2,2-oxybis(1-Chloropropane)	1.465	1.450		-1.0	
n-Nitroso-di-n-propylamine	0.965	0.923	0.050	-4.4	
Nitrobenzene-d5	0.400	0.396		-1.0	
Hexachloroethane	0.570	0.537		-5.8	
Nitrobenzene	0.410	0.404		-1.5	
Isophorone	0.670	0.665		-0.7	
2-Nitrophenol	0.189	0.188		-0.5	20.0
2,4-Dimethylphenol	0.220	0.222		0.9	
bis(2-Chloroethoxy)methane	0.418	0.417		-0.2	
2,4-Dichlorophenol	0.304	0.300		-1.3	20.0
1,2,4-Trichlorobenzene	0.349	0.346		-0.9	
Naphthalene	1.099	1.077		-2.0	
Hexachlorobutadiene	0.235	0.225		-4.3	20.0
4-Chloro-3-methylphenol	0.342	0.335		-2.0	20.0
Hexachlorocyclopentadiene	0.153	0.109	0.050	-28.8	
2,4,6-Trichlorophenol	0.376	0.371		-1.3	20.0
2-Fluorobiphenyl	1.455	1.400		-3.8	
2-Chloronaphthalene	1.217	1.170		-3.9	
Dimethylphthalate	1.410	1.364		-3.3	
Acenaphthylene	1.788	1.723		-3.6	
2,6-Dinitrotoluene	0.322	0.317		-1.6	
Acenaphthene	1.142	1.100		-3.7	20.0
2,4-Dinitrophenol	0.132	0.109	0.050	-17.4	
4-Nitrophenol	0.150	0.135	0.050	-10.0	
2,4-Dinitrotoluene	0.424	0.415		-2.1	
Diethylphthalate	1.462	1.313		-10.2	
4-Chlorophenyl-phenylether	0.733	0.650		-11.3	
Fluorene	1.460	1.278		-12.5	
4,6-Dinitro-2-methylphenol	0.113	0.113		0.0	
n-Nitrosodiphenylamine	0.615	0.609		-1.0	20.0
Azobenzene	1.375	1.214		-11.7	
2,4,6-Tribromophenol	0.237	0.213		-10.1	
4-Bromophenyl-phenylether	0.224	0.220		-1.8	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Hexachlorobenzene	0.254	0.253		-0.4	
Pentachlorophenol	0.093	0.086		-7.5	20.0
Phenanthrene	1.028	0.993		-3.4	
Anthracene	1.013	0.986		-2.7	
Di-n-butylphthalate	1.164	1.145		-1.6	
Fluoranthene	1.184	1.109		-6.3	20.0
Benzidine	0.408	0.385		-5.6	
Pyrene	1.779	1.616		-9.2	
Terphenyl-d14	1.268	1.166		-8.0	
Butylbenzylphthalate	0.654	0.651		-0.5	
3,3-Dichlorobenzidine	0.428	0.418		-2.3	
Benzo(a)anthracene	1.417	1.362		-3.9	
Chrysene	1.289	1.257		-2.5	
Bis(2-ethylhexyl)phthalate	0.844	0.907		7.5	
Di-n-octyl phthalate	1.277	1.409		10.3	20.0
Benzo(b)fluoranthene	1.388	1.455		4.8	
Benzo(k)fluoranthene	1.191	1.060		-11.0	
Benzo(a)pyrene	1.087	1.062		-2.3	20.0
Indeno(1,2,3-cd)pyrene	1.248	1.445		15.8	
Dibenzo(a,h)anthracene	1.034	1.206		16.6	
Benzo(g,h,i)perylene	1.052	1.208		14.8	

All other compounds must meet a minimum RRF of 0.010.