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.: Q1066 SAS No.: Q1066 SDG No.: Q1066

Instrument ID: BNA_F Calibration Date/Time: 01/16/2025 12:29

Lab File ID: BF141179.D Init. Calib. Date(s): 01/10/2025 01/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:58 17:45

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.691	0.644		-6.8	
2-Fluorophenol	1.295	1.183		-8.6	
Phenol-d6	1.640	1.506		-8.2	
Phenol	1.756	1.602		-8.8	20.0
bis(2-Chloroethyl)ether	1.308	1.199		-8.3	
2-Chlorophenol	1.389	1.296		-6.7	
2,2-oxybis(1-Chloropropane)	1.826	1.651		-9.6	
n-Nitroso-di-n-propylamine	0.966	0.902	0.050	-6.6	
Nitrobenzene-d5	0.377	0.351		-6.9	
Hexachloroethane	0.565	0.535		-5.3	
Nitrobenzene	0.393	0.367		-6.6	
Isophorone	0.645	0.616		-4.5	
2-Nitrophenol	0.179	0.169		-5.6	20.0
2,4-Dimethylphenol	0.241	0.230		-4.6	
bis(2-Chloroethoxy)methane	0.405	0.384		-5.2	
2,4-Dichlorophenol	0.287	0.272		-5.2	20.0
1,2,4-Trichlorobenzene	0.328	0.311		-5.2	
Naphthalene	1.055	0.993		-5.9	
Hexachlorobutadiene	0.197	0.190		-3.6	20.0
4-Chloro-3-methylphenol	0.313	0.301		-3.8	20.0
Hexachlorocyclopentadiene	0.188	0.198	0.050	5.3	
2,4,6-Trichlorophenol	0.387	0.364		-5.9	20.0
2-Fluorobiphenyl	1.310	1.215		-7.3	
2-Chloronaphthalene	1.210	1.121		-7.4	
Dimethylphthalate	1.343	1.270		-5.4	
Acenaphthylene	1.728	1.622		-6.1	
2,6-Dinitrotoluene	0.312	0.295		-5.4	
Acenaphthene	1.208	1.140		-5.6	20.0
2,4-Dinitrophenol	0.148	0.143	0.050	-3.4	
4-Nitrophenol	0.248	0.241	0.050	-2.8	
2,4-Dinitrotoluene	0.402	0.394		-2.0	
Diethylphthalate	1.311	1.262		-3.7	
4-Chlorophenyl-phenylether	0.622	0.593		-4.7	
Fluorene	1.276	1.211		-5.1	
4,6-Dinitro-2-methylphenol	0.116	0.123		6.0	
n-Nitrosodiphenylamine	0.645	0.618		-4.2	20.0
Azobenzene	1.293	1.227		-5.1	
2,4,6-Tribromophenol	0.228	0.227		-0.4	
4-Bromophenyl-phenylether	0.230	0.227		-1.3	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Hexachlorobenzene	0.256	0.252		-1.6	
Pentachlorophenol	0.164	0.168		2.4	20.0
Phenanthrene	1.074	1.037		-3.4	
Anthracene	1.044	1.018		-2.5	
Di-n-butylphthalate	1.096	1.136		3.7	
Fluoranthene	1.071	1.100		2.7	20.0
Benzidine	0.371	0.332		-10.5	
Pyrene	1.910	1.651		-13.6	
Terphenyl-d14	1.346	1.206		-10.4	
Butylbenzylphthalate	0.637	0.644		1.1	
3,3-Dichlorobenzidine	0.433	0.385		-11.1	
Benzo(a)anthracene	1.361	1.239		-9.0	
Chrysene	1.274	1.128		-11.5	
Bis(2-ethylhexyl)phthalate	0.764	0.820		7.3	
Di-n-octyl phthalate	1.154	1.212		5.0	20.0
Benzo(b)fluoranthene	1.290	1.288		-0.2	
Benzo(k)fluoranthene	1.090	1.019		-6.5	
Benzo(a)pyrene	1.064	1.018		-4.3	20.0
Indeno(1,2,3-cd)pyrene	1.465	1.322		-9.8	
Dibenzo(a,h)anthracene	1.185	1.081		-8.8	
Benzo(g,h,i)perylene	1.233	1.118		-9.3	

All other compounds must meet a minimum RRF of 0.010.