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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: ARDM01

Lab Code: ACE SDG No.: Q3700

Instrument ID: BNA_F Calibration Date/Time: 11/25/2025 13:54

Lab File ID: BF144348.D Init. Calib. Date(s): 11/05/2025 11/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:50 16:49

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.770	0.749		-2.7	
2-Fluorophenol	1.278	1.443		12.9	
Phenol-d6	1.448	1.525		5.3	
Phenol	1.769	1.898		7.3	20.0
bis(2-Chloroethyl)ether	1.289	1.383		7.3	
2-Chlorophenol	1.253	1.334		6.5	
2,2-oxybis(1-Chloropropane)	2.374	2.546		7.2	
n-Nitroso-di-n-propylamine	0.953	0.856	0.050	-10.2	
Nitrobenzene-d5	0.346	0.346		0.0	
Hexachloroethane	0.515	0.547		6.2	
Nitrobenzene	0.376	0.377		0.3	
Isophorone	0.655	0.615		-6.1	
2-Nitrophenol	0.186	0.194		4.3	20.0
2,4-Dimethylphenol	0.279	0.288		3.2	
bis(2-Chloroethoxy)methane	0.409	0.406		-0.7	
2,4-Dichlorophenol	0.322	0.317		-1.6	20.0
1,2,4-Trichlorobenzene	0.330	0.329		-0.3	
Naphthalene	0.951	0.960		0.9	
Hexachlorobutadiene	0.249	0.233		-6.4	20.0
4-Chloro-3-methylphenol	0.288	0.267		-7.3	20.0
Hexachlorocyclopentadiene	0.195	0.167	0.050	-14.4	
2,4,6-Trichlorophenol	0.446	0.454		1.8	20.0
2-Fluorobiphenyl	1.354	1.402		3.5	
2-Chloronaphthalene	1.191	1.228		3.1	
Dimethylphthalate	1.325	1.294		-2.3	
Acenaphthylene	1.623	1.660		2.3	
2,6-Dinitrotoluene	0.268	0.264		-1.5	
Acenaphthene	1.085	1.030		-5.1	20.0
2,4-Dinitrophenol	0.162	0.166	0.050	2.5	
4-Nitrophenol	0.212	0.198	0.050	-6.6	
2,4-Dinitrotoluene	0.359	0.356		-0.8	
Diethylphthalate	1.221	1.154		-5.5	
4-Chlorophenyl-phenylether	0.658	0.621		-5.6	
Fluorene	1.156	1.166		0.9	
4,6-Dinitro-2-methylphenol	0.136	0.120		-11.8	
n-Nitrosodiphenylamine	0.643	0.669		4.0	20.0
Azobenzene	1.137	1.116		-1.8	
2,4,6-Tribromophenol	0.251	0.224		-10.8	
4-Bromophenyl-phenylether	0.255	0.241		-5.5	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Hexachlorobenzene	0.301	0.285		-5.3	
Pentachlorophenol	0.150	0.153		2.0	20.0
Phenanthrene	0.996	1.025		2.9	
Anthracene	1.013	1.044		3.1	
Di-n-butylphthalate	1.041	1.072		3.0	
Fluoranthene	1.029	1.135		10.3	20.0
Benzidine	0.592	0.717		21.1	
Pyrene	1.613	1.347		-16.5	
Terphenyl-d14	1.259	0.995		-21.0	
Butylbenzylphthalate	0.559	0.522		-6.6	
3,3-Dichlorobenzidine	0.475	0.518		9.1	
Benzo(a)anthracene	1.386	1.444		4.2	
Chrysene	1.280	1.274		-0.5	
Bis(2-ethylhexyl)phthalate	0.765	0.770		0.7	
Di-n-octyl phthalate	1.320	1.463		10.8	20.0
Benzo(b)fluoranthene	1.137	1.218		7.1	
Benzo(k)fluoranthene	1.064	0.976		-8.3	
Benzo(a)pyrene	1.049	1.059		1.0	20.0
Indeno(1,2,3-cd)pyrene	1.436	1.384		-3.6	
Dibenzo(a,h)anthracene	1.153	1.106		-4.1	
Benzo(g,h,i)perylene	1.139	1.108		-2.7	

All other compounds must meet a minimum RRF of 0.010.