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.: Q3098

Instrument ID: BNA_P Calibration Date/Time: 09/19/2025 10:12

Lab File ID: BP025792.D Init. Calib. Date(s): 09/11/2025 09/11/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 08:56 15:20

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.676	0.654		-3.3	
2-Fluorophenol	1.240	1.228		-1.0	
Phenol-d6	1.648	1.562		-5.2	
Phenol	1.737	1.651		-5.0	20.0
bis(2-Chloroethyl)ether	1.396	1.332		-4.6	
2-Chlorophenol	1.360	1.310		-3.7	
2,2-oxybis(1-Chloropropane)	2.283	2.240		-1.9	
n-Nitroso-di-n-propylamine	1.149	1.058	0.050	-7.9	
Nitrobenzene-d5	0.453	0.446		-1.5	
Hexachloroethane	0.602	0.587		-2.5	
Nitrobenzene	0.407	0.402		-1.2	
Isophorone	0.797	0.758		-4.9	
2-Nitrophenol	0.181	0.183		1.1	20.0
2,4-Dimethylphenol	0.317	0.312		-1.6	
bis(2-Chloroethoxy)methane	0.461	0.460		-0.2	
2,4-Dichlorophenol	0.316	0.311		-1.6	20.0
1,2,4-Trichlorobenzene	0.356	0.349		-2.0	
Naphthalene	1.078	1.036		-3.9	
Hexachlorobutadiene	0.229	0.218		-4.8	20.0
4-Chloro-3-methylphenol	0.377	0.355		-5.8	20.0
Hexachlorocyclopentadiene	0.330	0.324	0.050	-1.8	
2,4,6-Trichlorophenol	0.398	0.404		1.5	20.0
2-Fluorobiphenyl	1.502	1.472		-2.0	
2-Chloronaphthalene	1.156	1.140		-1.4	
Dimethylphthalate	1.527	1.459		-4.5	
Acenaphthylene	1.915	1.848		-3.5	
2,6-Dinitrotoluene	0.324	0.327		0.9	
Acenaphthene	1.104	1.057		-4.3	20.0
2,4-Dinitrophenol	0.183	0.178	0.050	-2.7	
4-Nitrophenol	0.258	0.244	0.050	-5.4	
2,4-Dinitrotoluene	0.460	0.457		-0.7	
Diethylphthalate	1.549	1.476		-4.7	
4-Chlorophenyl-phenylether	0.721	0.669		-7.2	
Fluorene	1.431	1.343		-6.2	
4,6-Dinitro-2-methylphenol	0.133	0.134		0.8	
n-Nitrosodiphenylamine	0.612	0.616		0.7	20.0
Azobenzene	1.498	1.458		-2.7	
2,4,6-Tribromophenol	0.249	0.234		-6.0	
4-Bromophenyl-phenylether	0.220	0.220		0.0	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Hexachlorobenzene	0.245	0.236		-3.7	
Pentachlorophenol	0.162	0.160		-1.2	20.0
Phenanthrene	1.135	1.108		-2.4	
Anthracene	1.151	1.139		-1.0	
Di-n-butylphthalate	1.313	1.304		-0.7	
Fluoranthene	1.361	1.339		-1.6	20.0
Benzidine	0.576	0.797		38.4	
Pyrene	1.335	1.325		-0.7	
Terphenyl-d14	1.112	1.080		-2.9	
Butylbenzylphthalate	0.585	0.598		2.2	
3,3-Dichlorobenzidine	0.473	0.476		0.6	
Benzo(a)anthracene	1.369	1.318		-3.7	
Chrysene	1.305	1.279		-2.0	
Bis(2-ethylhexyl)phthalate	0.856	0.864		0.9	
Di-n-octyl phthalate	1.523	1.524		0.1	20.0
Benzo(b)fluoranthene	1.223	1.214		-0.7	
Benzo(k)fluoranthene	1.248	1.232		-1.3	
Benzo(a)pyrene	1.198	1.179		-1.6	20.0
Indeno(1,2,3-cd)pyrene	1.454	1.449		-0.3	
Dibenzo(a,h)anthracene	1.190	1.182		-0.7	
Benzo(g,h,i)perylene	1.171	1.167		-0.3	

All other compounds must meet a minimum RRF of 0.010.