284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: ARDM01

Lab Code: ACE SDG No.: Q2811

Instrument ID: BNA_F Calibration Date/Time: 08/18/2025 09:06

Lab File ID: BF143429.D Init. Calib. Date(s): 08/15/2025 08/15/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 14:29 17:57

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.675	0.680		0.7	
2-Fluorophenol	1.151	1.147		-0.3	
Phenol-d6	1.450	1.436		-1.0	
Phenol	1.692	1.689		-0.2	20.0
bis(2-Chloroethyl)ether	1.254	1.255		0.1	
2-Chlorophenol	1.270	1.260		-0.8	
2,2-oxybis(1-Chloropropane)	2.144	2.128		-0.7	
n-Nitroso-di-n-propylamine	0.898	0.877	0.050	-2.3	
Nitrobenzene-d5	0.337	0.332		-1.5	
Hexachloroethane	0.484	0.475		-1.9	
Nitrobenzene	0.352	0.351		-0.3	
Isophorone	0.645	0.643		-0.3	
2-Nitrophenol	0.163	0.151		-7.4	20.0
2,4-Dimethylphenol	0.276	0.268		-2.9	
bis(2-Chloroethoxy)methane	0.397	0.391		-1.5	
2,4-Dichlorophenol	0.281	0.283		0.7	20.0
1,2,4-Trichlorobenzene	0.288	0.283		-1.7	
Naphthalene	0.950	0.937		-1.4	
Hexachlorobutadiene	0.184	0.183		-0.5	20.0
4-Chloro-3-methylphenol	0.290	0.288		-0.7	20.0
Hexachlorocyclopentadiene	0.167	0.174	0.050	4.2	
2,4,6-Trichlorophenol	0.348	0.342		-1.7	20.0
2-Fluorobiphenyl	1.189	1.141		-4.0	
2-Chloronaphthalene	1.109	1.091		-1.6	
Dimethylphthalate	1.247	1.252		0.4	
Acenaphthylene	1.602	1.588		-0.9	
2,6-Dinitrotoluene	0.246	0.252		2.4	
Acenaphthene	1.077	1.053		-2.2	20.0
2,4-Dinitrophenol	0.097	0.083	0.050	-14.4	
4-Nitrophenol	0.172	0.176	0.050	2.3	
2,4-Dinitrotoluene	0.328	0.345		5.2	
Diethylphthalate	1.152	1.161		0.8	
4-Chlorophenyl-phenylether	0.590	0.588		-0.3	
Fluorene	1.194	1.165		-2.4	
4,6-Dinitro-2-methylphenol	0.103	0.093		-9.7	
n-Nitrosodiphenylamine	0.650	0.637		-2.0	20.0
Azobenzene	1.165	1.181		1.4	
2,4,6-Tribromophenol	0.178	0.181		1.7	
4-Bromophenyl-phenylether	0.236	0.234		-0.8	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Hexachlorobenzene	0.251	0.247		-1.6	
Pentachlorophenol	0.110	0.114		3.6	20.0
Phenanthrene	1.083	1.045		-3.5	
Anthracene	1.094	1.066		-2.6	
Di-n-butylphthalate	0.921	0.953		3.5	
Fluoranthene	0.962	0.942		-2.1	20.0
Benzidine	0.597	0.545		-8.7	
Pyrene	1.738	1.875		7.9	
Terphenyl-d14	1.191	1.257		5.5	
Butylbenzylphthalate	0.431	0.431		0.0	
3,3-Dichlorobenzidine	0.373	0.352		-5.6	
Benzo(a)anthracene	1.273	1.253		-1.6	
Chrysene	1.177	1.163		-1.2	
Bis(2-ethylhexyl)phthalate	0.611	0.600		-1.8	
Di-n-octyl phthalate	1.240	1.164		-6.1	20.0
Benzo(b)fluoranthene	1.072	1.096		2.2	
Benzo(k)fluoranthene	1.057	1.004		-5.0	
Benzo(a)pyrene	1.021	1.024		0.3	20.0
Indeno(1,2,3-cd)pyrene	1.500	1.528		1.9	
Dibenzo(a,h)anthracene	1.204	1.228		2.0	
Benzo(g,h,i)perylene	1.203	1.234		2.6	

All other compounds must meet a minimum RRF of 0.010.