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.: Q2585

Instrument ID: BNA_F Calibration Date/Time: 07/18/2025 11:24

Lab File ID: BF143159.D Init. Calib. Date(s): 07/17/2025 07/17/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:04 14:34

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.801	0.792		-1.1	
2-Fluorophenol	1.264	1.224		-3.2	
Phenol-d6	1.591	1.558		-2.1	
Phenol	1.733	1.713		-1.2	20.0
bis(2-Chloroethyl)ether	1.327	1.320		-0.5	
2-Chlorophenol	1.325	1.308		-1.3	
2,2-oxybis(1-Chloropropane)	2.461	2.451		-0.4	
n-Nitroso-di-n-propylamine	1.021	0.986	0.050	-3.4	
Nitrobenzene-d5	0.401	0.411		2.5	
Hexachloroethane	0.502	0.499		-0.6	
Nitrobenzene	0.374	0.376		0.5	
Isophorone	0.708	0.694		-2.0	
2-Nitrophenol	0.162	0.167		3.1	20.0
2,4-Dimethylphenol	0.331	0.323		-2.4	
bis(2-Chloroethoxy)methane	0.425	0.413		-2.8	
2,4-Dichlorophenol	0.279	0.273		-2.2	20.0
1,2,4-Trichlorobenzene	0.302	0.296		-2.0	
Naphthalene	0.985	0.953		-3.2	
Hexachlorobutadiene	0.184	0.182		-1.1	20.0
4-Chloro-3-methylphenol	0.303	0.296		-2.3	20.0
Hexachlorocyclopentadiene	0.376	0.376	0.050	0.0	
2,4,6-Trichlorophenol	0.400	0.386		-3.5	20.0
2-Fluorobiphenyl	1.462	1.373		-6.1	
2-Chloronaphthalene	1.155	1.124		-2.7	
Dimethylphthalate	1.304	1.253		-3.9	
Acenaphthylene	1.935	1.861		-3.8	
2,6-Dinitrotoluene	0.265	0.270		1.9	
Acenaphthene	1.144	1.092		-4.5	20.0
2,4-Dinitrophenol	0.098	0.102	0.050	4.1	
4-Nitrophenol	0.232	0.221	0.050	-4.7	
2,4-Dinitrotoluene	0.333	0.335		0.6	
Diethylphthalate	1.289	1.253		-2.8	
4-Chlorophenyl-phenylether	0.635	0.598		-5.8	
Fluorene	1.274	1.203		-5.6	
4,6-Dinitro-2-methylphenol	0.094	0.097		3.2	
n-Nitrosodiphenylamine	0.704	0.686		-2.6	20.0
Azobenzene	1.343	1.298		-3.4	
2,4,6-Tribromophenol	0.207	0.198		-4.3	
4-Bromophenyl-phenylether	0.238	0.236		-0.8	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Hexachlorobenzene	0.249	0.243		-2.4	
Pentachlorophenol	0.147	0.151		2.7	20.0
Phenanthrene	1.062	1.008		-5.1	
Anthracene	1.083	1.044		-3.6	
Di-n-butylphthalate	1.070	1.053		-1.6	
Fluoranthene	0.975	0.946		-3.0	20.0
Benzidine	0.771	0.760		-1.4	
Pyrene	1.707	1.562		-8.5	
Terphenyl-d14	1.344	1.220		-9.2	
Butylbenzylphthalate	0.523	0.515		-1.5	
3,3-Dichlorobenzidine	0.446	0.437		-2.0	
Benzo(a)anthracene	1.339	1.282		-4.3	
Chrysene	1.204	1.187		-1.4	
Bis(2-ethylhexyl)phthalate	0.791	0.789		-0.3	
Di-n-octyl phthalate	1.434	1.381		-3.7	20.0
Benzo(b)fluoranthene	1.222	1.169		-4.3	
Benzo(k)fluoranthene	1.090	1.072		-1.7	
Benzo(a)pyrene	1.126	1.108		-1.6	20.0
Indeno(1,2,3-cd)pyrene	1.410	1.396		-1.0	
Dibenzo(a,h)anthracene	1.148	1.145		-0.3	
Benzo(g,h,i)perylene	1.110	1.112		0.2	

All other compounds must meet a minimum RRF of 0.010.