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.: Q3098

Instrument ID: BNA_P Calibration Date/Time: 09/18/2025 17:24

Lab File ID: BP025785.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	0.644		-4.7	
2-Fluorophenol	1.240	1.239		-0.1	
Phenol-d6	1.648	1.602		-2.8	
Phenol	1.737	1.692		-2.6	20.0
bis(2-Chloroethyl)ether	1.396	1.354		-3.0	
2-Chlorophenol	1.360	1.337		-1.7	
2,2-oxybis(1-Chloropropane)	2.283	2.249		-1.5	
n-Nitroso-di-n-propylamine	1.149	1.112	0.050	-3.2	
Nitrobenzene-d5	0.453	0.447		-1.3	
Hexachloroethane	0.602	0.584		-3.0	
Nitrobenzene	0.407	0.401		-1.5	
Isophorone	0.797	0.770		-3.4	
2-Nitrophenol	0.181	0.178		-1.7	20.0
2,4-Dimethylphenol	0.317	0.317		0.0	
bis(2-Chloroethoxy)methane	0.461	0.459		-0.4	
2,4-Dichlorophenol	0.316	0.313		-0.9	20.0
1,2,4-Trichlorobenzene	0.356	0.350		-1.7	
Naphthalene	1.078	1.041		-3.4	
Hexachlorobutadiene	0.229	0.223		-2.6	20.0
4-Chloro-3-methylphenol	0.377	0.359		-4.8	20.0
Hexachlorocyclopentadiene	0.330	0.318	0.050	-3.6	
2,4,6-Trichlorophenol	0.398	0.403		1.3	20.0
2-Fluorobiphenyl	1.502	1.449		-3.5	
2-Chloronaphthalene	1.156	1.121		-3.0	
Dimethylphthalate	1.527	1.474		-3.5	
Acenaphthylene	1.915	1.874		-2.1	
2,6-Dinitrotoluene	0.324	0.316		-2.5	
Acenaphthene	1.104	1.065		-3.5	20.0
2,4-Dinitrophenol	0.183	0.173	0.050	-5.5	
4-Nitrophenol	0.258	0.238	0.050	-7.8	
2,4-Dinitrotoluene	0.460	0.459		-0.2	
Diethylphthalate	1.549	1.500		-3.2	
4-Chlorophenyl-phenylether	0.721	0.686		-4.9	
Fluorene	1.431	1.376		-3.8	
4,6-Dinitro-2-methylphenol	0.133	0.132		-0.8	
n-Nitrosodiphenylamine	0.612	0.608		-0.7	20.0
Azobenzene	1.498	1.457		-2.7	
2,4,6-Tribromophenol	0.249	0.235		-5.6	
4-Bromophenyl-phenylether	0.220	0.218		-0.9	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Hexachlorobenzene	0.245	0.238		-2.9	
Pentachlorophenol	0.162	0.154		-4.9	20.0
Phenanthrene	1.135	1.100		-3.1	
Anthracene	1.151	1.134		-1.5	
Di-n-butylphthalate	1.313	1.304		-0.7	
Fluoranthene	1.361	1.301		-4.4	20.0
Benzidine	0.576	0.751		30.4	
Pyrene	1.335	1.324		-0.8	
Terphenyl-d14	1.112	1.067		-4.0	
Butylbenzylphthalate	0.585	0.600		2.6	
3,3-Dichlorobenzidine	0.473	0.473		0.0	
Benzo(a)anthracene	1.369	1.318		-3.7	
Chrysene	1.305	1.295		-0.8	
Bis(2-ethylhexyl)phthalate	0.856	0.867		1.3	
Di-n-octyl phthalate	1.523	1.518		-0.3	20.0
Benzo(b)fluoranthene	1.223	1.218		-0.4	
Benzo(k)fluoranthene	1.248	1.214		-2.7	
Benzo(a)pyrene	1.198	1.167		-2.6	20.0
Indeno(1,2,3-cd)pyrene	1.454	1.438		-1.1	
Dibenzo(a,h)anthracene	1.190	1.173		-1.4	
Benzo(g,h,i)perylene	1.171	1.162		-0.8	

All other compounds must meet a minimum RRF of 0.010.