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

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG No.: Q3586

Instrument ID: BNA_F Calibration Date/Time: 11/11/2025 10:09

Lab File ID: BF144198.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
2-Fluorophenol	1.278	1.343		5.1	
Benzaldehyde	0.818	1.141		39.5	
Phenol-d6	1.448	1.461		0.9	
Phenol	1.769	1.799		1.7	20.0
bis(2-Chloroethyl)ether	1.289	1.325		2.8	
2-Chlorophenol	1.253	1.308		4.4	
2-Methylphenol	0.997	1.026		2.9	
2,2-oxybis(1-Chloropropane)	2.374	2.513		5.9	
Acetophenone	0.429	0.431		0.5	
3+4-Methylphenols	1.175	1.170		-0.4	
n-Nitroso-di-n-propylamine	0.953	0.933	0.050	-2.1	
Nitrobenzene-d5	0.346	0.361		4.3	
Hexachloroethane	0.515	0.537		4.3	
Nitrobenzene	0.376	0.395		5.1	
Isophorone	0.655	0.684		4.4	
2-Nitrophenol	0.186	0.194		4.3	20.0
2,4-Dimethylphenol	0.279	0.291		4.3	
bis(2-Chloroethoxy)methane	0.409	0.435		6.4	
2,4-Dichlorophenol	0.322	0.330		2.5	20.0
Naphthalene	0.951	0.984		3.5	
4-Chloroaniline	0.347	0.357		2.9	
Hexachlorobutadiene	0.249	0.256		2.8	20.0
Caprolactam	0.088	0.087		-1.1	
4-Chloro-3-methylphenol	0.288	0.299		3.8	20.0
2-Methylnaphthalene	0.636	0.648		1.9	
Hexachlorocyclopentadiene	0.195	0.194	0.050	-0.5	
2,4,6-Trichlorophenol	0.446	0.456		2.2	20.0
2-Fluorobiphenyl	1.354	1.339		-1.1	
2,4,5-Trichlorophenol	0.481	0.474		-1.5	
1,1-Biphenyl	1.396	1.427		2.2	
2-Chloronaphthalene	1.191	1.218		2.3	
2-Nitroaniline	0.344	0.376		9.3	
Dimethylphthalate	1.325	1.353		2.1	
Acenaphthylene	1.623	1.647		1.5	
2,6-Dinitrotoluene	0.268	0.287		7.1	
3-Nitroaniline	0.293	0.295		0.7	
Acenaphthene	1.085	1.099		1.3	20.0
2,4-Dinitrophenol	0.162	0.138	0.050	-14.8	
4-Nitrophenol	0.212	0.184	0.050	-13.2	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.520	1.519		-0.1	
2,4-Dinitrotoluene	0.359	0.366		2.0	
Diethylphthalate	1.221	1.241		1.6	
4-Chlorophenyl-phenylether	0.658	0.656		-0.3	
Fluorene	1.156	1.167		1.0	
4-Nitroaniline	0.279	0.287		2.9	
4,6-Dinitro-2-methylphenol	0.136	0.126		-7.4	
n-Nitrosodiphenylamine	0.643	0.657		2.2	20.0
2,4,6-Tribromophenol	0.251	0.243		-3.2	
4-Bromophenyl-phenylether	0.255	0.262		2.7	
Hexachlorobenzene	0.301	0.309		2.7	
Atrazine	0.205	0.205		0.0	
Pentachlorophenol	0.150	0.138		-8.0	20.0
Phenanthrene	0.996	0.987		-0.9	
Anthracene	1.013	1.019		0.6	
Carbazole	0.861	0.852		-1.0	
Di-n-butylphthalate	1.041	1.049		0.8	
Fluoranthene	1.029	1.014		-1.5	20.0
Pyrene	1.613	1.566		-2.9	
Terphenyl-d14	1.259	1.207		-4.1	
Butylbenzylphthalate	0.559	0.578		3.4	
3,3-Dichlorobenzidine	0.475	0.493		3.8	
Benzo(a)anthracene	1.386	1.437		3.6	
Chrysene	1.280	1.280		0.0	
Bis(2-ethylhexyl)phthalate	0.765	0.811		6.0	
Di-n-octyl phthalate	1.320	1.415		7.2	20.0
Benzo(b)fluoranthene	1.137	1.103		-3.0	
Benzo(k)fluoranthene	1.064	1.090		2.4	
Benzo(a)pyrene	1.049	1.050		0.1	20.0
Indeno(1,2,3-cd)pyrene	1.436	1.464		2.0	
Dibenzo(a,h)anthracene	1.153	1.177		2.1	
Benzo(g,h,i)perylene	1.139	1.175		3.1	
1,2,4,5-Tetrachlorobenzene	0.655	0.671		2.4	
1,4-Dioxane	0.528	0.547		3.6	20.0
2,3,4,6-Tetrachlorophenol	0.340	0.347		2.1	

All other compounds must meet a minimum RRF of 0.010.