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

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3376

Instrument ID: BNA_F Calibration Date/Time: 10/21/2025 13:29

Lab File ID: BF144009.D Init. Calib. Date(s): 10/06/2025 10/06/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:59 14:22

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.259	1.299		3.2	
Benzaldehyde	1.158	1.203		3.9	
Phenol-d6	1.501	1.494		-0.5	
Phenol	1.795	1.901		5.9	20.0
bis(2-Chloroethyl)ether	1.386	1.376		-0.7	
2-Chlorophenol	1.231	1.267		2.9	
2-Methylphenol	1.017	1.009		-0.8	
2,2-oxybis(1-Chloropropane)	3.156	3.225		2.2	
Acetophenone	0.423	0.409		-3.3	
3+4-Methylphenols	1.179	1.177		-0.2	
n-Nitroso-di-n-propylamine	1.028	0.983	0.050	-4.4	
Nitrobenzene-d5	0.329	0.341		3.6	
Hexachloroethane	0.485	0.486		0.2	
Nitrobenzene	0.366	0.382		4.4	
Isophorone	0.694	0.664		-4.3	
2-Nitrophenol	0.157	0.182		15.9	20.0
2,4-Dimethylphenol	0.282	0.290		2.8	
bis(2-Chloroethoxy)methane	0.438	0.433		-1.1	
2,4-Dichlorophenol	0.294	0.295		0.3	20.0
Naphthalene	0.910	0.902		-0.9	
4-Chloroaniline	0.341	0.341		0.0	
Hexachlorobutadiene	0.201	0.197		-2.0	20.0
Caprolactam	0.093	0.095		2.2	
4-Chloro-3-methylphenol	0.282	0.281		-0.4	20.0
2-Methylnaphthalene	0.606	0.599		-1.2	
Hexachlorocyclopentadiene	0.229	0.224	0.050	-2.2	
2,4,6-Trichlorophenol	0.404	0.394		-2.5	20.0
2-Fluorobiphenyl	1.260	1.174		-6.8	
2,4,5-Trichlorophenol	0.427	0.432		1.2	
1,1-Biphenyl	1.324	1.283		-3.1	
2-Chloronaphthalene	1.104	1.099		-0.5	
2-Nitroaniline	0.349	0.372		6.6	
Dimethylphthalate	1.270	1.246		-1.9	
Acenaphthylene	1.552	1.531		-1.4	
2,6-Dinitrotoluene	0.236	0.265		12.3	
3-Nitroaniline	0.288	0.299		3.8	
Acenaphthene	1.017	0.980		-3.6	20.0
2,4-Dinitrophenol	0.118	0.105	0.050	-11.0	
4-Nitrophenol	0.218	0.197	0.050	-9.6	

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.436	1.413		-1.6	
2,4-Dinitrotoluene	0.320	0.350		9.4	
Diethylphthalate	1.180	1.127		-4.5	
4-Chlorophenyl-phenylether	0.573	0.561		-2.1	
Fluorene	1.083	1.053		-2.9	
4-Nitroaniline	0.277	0.278		0.4	
4,6-Dinitro-2-methylphenol	0.101	0.109		7.9	
n-Nitrosodiphenylamine	0.628	0.632		0.6	20.0
2,4,6-Tribromophenol	0.199	0.191		-4.0	
4-Bromophenyl-phenylether	0.221	0.213		-3.6	
Hexachlorobenzene	0.256	0.249		-2.7	
Atrazine	0.190	0.184		-3.2	
Pentachlorophenol	0.147	0.129		-12.2	20.0
Phenanthrene	0.970	0.933		-3.8	
Anthracene	0.980	0.987		0.7	
Carbazole	0.868	0.845		-2.7	
Di-n-butylphthalate	1.005	1.014		0.9	
Fluoranthene	1.002	0.960		-4.2	20.0
Pyrene	1.667	1.805		8.3	
Terphenyl-d14	1.170	1.282		9.6	
Butylbenzylphthalate	0.542	0.567		4.6	
3,3-Dichlorobenzidine	0.399	0.400		0.3	
Benzo(a)anthracene	1.309	1.372		4.8	
Chrysene	1.211	1.172		-3.2	
Bis(2-ethylhexyl)phthalate	0.653	0.671		2.8	
Di-n-octyl phthalate	1.072	1.175		9.6	20.0
Benzo(b)fluoranthene	1.149	1.144		-0.4	
Benzo(k)fluoranthene	1.063	0.968		-8.9	
Benzo(a)pyrene	0.996	1.033		3.7	20.0
Indeno(1,2,3-cd)pyrene	1.225	1.420		15.9	
Dibenzo(a,h)anthracene	0.986	1.157		17.3	
Benzo(g,h,i)perylene	0.986	1.143		15.9	
1,2,4,5-Tetrachlorobenzene	0.553	0.559		1.1	
1,4-Dioxane	0.583	0.600		2.9	20.0
2,3,4,6-Tetrachlorophenol	0.302	0.299		-1.0	

All other compounds must meet a minimum RRF of 0.010.