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.: Q3395

Instrument ID: BNA_F Calibration Date/Time: 10/27/2025 10:27

Lab File ID: BF144074.D Init. Calib. Date(s): 10/24/2025 10/24/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 10:13 16:24

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.264	1.380		9.2	
Benzaldehyde	1.084	1.063		-1.9	
Phenol-d6	1.396	1.515		8.5	
Phenol	1.722	1.833		6.4	20.0
bis(2-Chloroethyl)ether	1.245	1.349		8.4	
2-Chlorophenol	1.245	1.332		7.0	
2-Methylphenol	0.957	1.041		8.8	
2,2-oxybis(1-Chloropropane)	2.339	2.496		6.7	
Acetophenone	0.432	0.456		5.6	
3+4-Methylphenols	1.132	1.219		7.7	
n-Nitroso-di-n-propylamine	0.903	0.952	0.050	5.4	
Nitrobenzene-d5	0.365	0.385		5.5	
Hexachloroethane	0.541	0.579		7.0	
Nitrobenzene	0.386	0.407		5.4	
Isophorone	0.638	0.683		7.1	
2-Nitrophenol	0.184	0.199		8.2	20.0
2,4-Dimethylphenol	0.273	0.309		13.2	
bis(2-Chloroethoxy)methane	0.398	0.425		6.8	
2,4-Dichlorophenol	0.317	0.336		6.0	20.0
Naphthalene	0.944	0.998		5.7	
4-Chloroaniline	0.329	0.363		10.3	
Hexachlorobutadiene	0.267	0.273		2.2	20.0
Caprolactam	0.080	0.087		8.8	
4-Chloro-3-methylphenol	0.280	0.302		7.9	20.0
2-Methylnaphthalene	0.622	0.664		6.8	
Hexachlorocyclopentadiene	0.212	0.233	0.050	9.9	
2,4,6-Trichlorophenol	0.447	0.457		2.2	20.0
2-Fluorobiphenyl	1.421	1.420		-0.1	
2,4,5-Trichlorophenol	0.469	0.499		6.4	
1,1-Biphenyl	1.432	1.433		0.1	
2-Chloronaphthalene	1.199	1.226		2.2	
2-Nitroaniline	0.356	0.384		7.9	
Dimethylphthalate	1.311	1.344		2.5	
Acenaphthylene	1.617	1.654		2.3	
2,6-Dinitrotoluene	0.259	0.282		8.9	
3-Nitroaniline	0.288	0.296		2.8	
Acenaphthene	1.080	1.105		2.3	20.0
2,4-Dinitrophenol	0.140	0.137	0.050	-2.1	
4-Nitrophenol	0.195	0.203	0.050	4.1	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.499	1.549		3.3	
2,4-Dinitrotoluene	0.350	0.367		4.9	
Diethylphthalate	1.233	1.247		1.1	
4-Chlorophenyl-phenylether	0.643	0.665		3.4	
Fluorene	1.143	1.167		2.1	
4-Nitroaniline	0.273	0.281		2.9	
4,6-Dinitro-2-methylphenol	0.128	0.134		4.7	
n-Nitrosodiphenylamine	0.639	0.685		7.2	20.0
2,4,6-Tribromophenol	0.255	0.270		5.9	
4-Bromophenyl-phenylether	0.250	0.275		10.0	
Hexachlorobenzene	0.307	0.333		8.5	
Atrazine	0.210	0.202		-3.8	
Pentachlorophenol	0.146	0.160		9.6	20.0
Phenanthrene	0.994	1.034		4.0	
Anthracene	1.026	1.032		0.6	
Carbazole	0.874	0.880		0.7	
Di-n-butylphthalate	1.071	1.039		-3.0	
Fluoranthene	1.098	1.041		-5.2	20.0
Pyrene	1.438	1.685		17.2	
Terphenyl-d14	1.144	1.306		14.2	
Butylbenzylphthalate	0.544	0.551		1.3	
3,3-Dichlorobenzidine	0.470	0.505		7.4	
Benzo(a)anthracene	1.352	1.462		8.1	
Chrysene	1.268	1.310		3.3	
Bis(2-ethylhexyl)phthalate	0.743	0.742		-0.1	
Di-n-octyl phthalate	1.277	1.328		4.0	20.0
Benzo(b)fluoranthene	1.131	1.120		-1.0	
Benzo(k)fluoranthene	1.043	1.032		-1.1	
Benzo(a)pyrene	1.014	1.060		4.5	20.0
Indeno(1,2,3-cd)pyrene	1.373	1.510		10.0	
Dibenzo(a,h)anthracene	1.087	1.187		9.2	
Benzo(g,h,i)perylene	1.093	1.200		9.8	
1,2,4,5-Tetrachlorobenzene	0.687	0.712		3.6	
1,4-Dioxane	0.546	0.545		-0.2	20.0
2,3,4,6-Tetrachlorophenol	0.330	0.362		9.7	

All other compounds must meet a minimum RRF of 0.010.