

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>AECO02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q2936</u>
Instrument ID:	<u>BNA_F</u>	Calibration Date/Time:	<u>08/27/2025 09:16</u>
Lab File ID:	<u>BF143596.D</u>	Init. Calib. Date(s):	<u>08/26/2025 08/26/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:11 12:32</u>
GC Column:	<u>DB-UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.175	1.200		2.1	
Benzaldehyde	1.095	1.252		14.3	
Phenol-d6	1.455	1.474		1.3	
Phenol	1.632	1.764		8.1	20.0
bis(2-Chloroethyl)ether	1.251	1.256		0.4	
2-Chlorophenol	1.243	1.295		4.2	
2-Methylphenol	1.055	1.066		1.0	
2,2-oxybis(1-Chloropropane)	2.309	2.190		-5.2	
Acetophenone	0.450	0.451		0.2	
3+4-Methylphenols	1.296	1.370		5.7	
n-Nitroso-di-n-propylamine	0.922	0.915	0.050	-0.8	
Nitrobenzene-d5	0.280	0.318		13.6	
Hexachloroethane	0.458	0.487		6.3	
Nitrobenzene	0.300	0.351		17.0	
Isophorone	0.656	0.659		0.5	
2-Nitrophenol	0.101	0.136		34.7	20.0
2,4-Dimethylphenol	0.285	0.296		3.9	
bis(2-Chloroethoxy)methane	0.397	0.401		1.0	
2,4-Dichlorophenol	0.275	0.294		6.9	20.0
Naphthalene	0.966	0.981		1.6	
4-Chloroaniline	0.341	0.352		3.2	
Hexachlorobutadiene	0.181	0.186		2.8	20.0
Caprolactam	0.078	0.086		10.3	
4-Chloro-3-methylphenol	0.287	0.303		5.6	20.0
2-Methylnaphthalene	0.638	0.651		2.0	
Hexachlorocyclopentadiene	0.256	0.275	0.050	7.4	
2,4,6-Trichlorophenol	0.344	0.359		4.4	20.0
2-Fluorobiphenyl	1.170	1.158		-1.0	
2,4,5-Trichlorophenol	0.347	0.387		11.5	
1,1-Biphenyl	1.388	1.375		-0.9	
2-Chloronaphthalene	1.096	1.113		1.6	
2-Nitroaniline	0.247	0.328		32.8	
Dimethylphthalate	1.230	1.274		3.6	
Acenaphthylene	1.595	1.622		1.7	
2,6-Dinitrotoluene	0.163	0.229		40.5	
3-Nitroaniline	0.201	0.274		36.3	
Acenaphthene	1.045	1.066		2.0	20.0
2,4-Dinitrophenol	0.054	0.068	0.050	25.9	
4-Nitrophenol	0.182	0.219	0.050	20.3	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.532	1.562		2.0	
2,4-Dinitrotoluene	0.213	0.308		44.6	
Diethylphthalate	1.153	1.218		5.6	
4-Chlorophenyl-phenylether	0.562	0.566		0.7	
Fluorene	1.150	1.146		-0.3	
4-Nitroaniline	0.196	0.264		34.7	
4,6-Dinitro-2-methylphenol	0.057	0.073		28.1	
n-Nitrosodiphenylamine	0.636	0.634		-0.3	20.0
2,4,6-Tribromophenol	0.156	0.181		16.0	
4-Bromophenyl-phenylether	0.216	0.220		1.9	
Hexachlorobenzene	0.231	0.236		2.2	
Atrazine	0.183	0.197		7.7	
Pentachlorophenol	0.132	0.147		11.4	20.0
Phenanthrene	1.071	1.067		-0.4	
Anthracene	1.079	1.085		0.6	
Carbazole	0.933	0.966		3.5	
Di-n-butylphthalate	0.950	1.072		12.8	
Fluoranthene	0.978	1.026		4.9	20.0
Pyrene	1.674	1.787		6.8	
Terphenyl-d14	1.115	1.214		8.9	
Butylbenzylphthalate	0.398	0.493		23.9	
3,3-Dichlorobenzidine	0.337	0.364		8.0	
Benzo (a) anthracene	1.258	1.278		1.6	
Chrysene	1.173	1.229		4.8	
Bis(2-ethylhexyl)phthalate	0.528	0.593		12.3	
Di-n-octyl phthalate	1.017	0.974		-4.2	20.0
Benzo (b) fluoranthene	1.143	1.127		-1.4	
Benzo (k) fluoranthene	1.068	1.128		5.6	
Benzo (a) pyrene	1.010	1.052		4.2	20.0
Indeno (1,2,3-cd) pyrene	1.361	1.495		9.8	
Dibenzo (a,h) anthracene	1.114	1.224		9.9	
Benzo (g,h,i) perylene	1.103	1.199		8.7	
1,2,4,5-Tetrachlorobenzene	0.520	0.531		2.1	
1,4-Dioxane	0.575	0.578		0.5	20.0
2,3,4,6-Tetrachlorophenol	0.257	0.297		15.6	

All other compounds must meet a minimum RRF of 0.010.