284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: PARS02

Lab Code: ACE SDG No.: Q2592

Instrument ID: BNA_P Calibration Date/Time: 07/18/2025 11:04

Lab File ID: BP025187.D Init. Calib. Date(s): 07/03/2025 07/03/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:39 14:31

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.129	1.060		-6.1	
Benzaldehyde	0.769	0.712		-7.4	
Phenol-d6	1.473	1.366		-7.3	
Phenol	1.497	1.351		-9.8	20.0
bis(2-Chloroethyl)ether	1.152	1.027		-10.9	
2-Chlorophenol	1.263	1.211		-4.1	
2-Methylphenol	0.964	0.922		-4.4	
2,2-oxybis(1-Chloropropane)	1.498	1.251		-16.5	
Acetophenone	0.473	0.425		-10.1	
3+4-Methylphenols	1.350	1.285		-4.8	
n-Nitroso-di-n-propylamine	0.874	0.816	0.050	-6.6	
Nitrobenzene-d5	0.301	0.288		-4.3	
Hexachloroethane	0.466	0.455		-2.4	
Nitrobenzene	0.306	0.288		-5.9	
Isophorone	0.562	0.529		-5.9	
2-Nitrophenol	0.128	0.172		34.4	20.0
2,4-Dimethylphenol	0.210	0.200		-4.8	
bis(2-Chloroethoxy)methane	0.382	0.353		-7.6	
2,4-Dichlorophenol	0.291	0.291		0.0	20.0
Naphthalene	1.030	0.936		-9.1	
4-Chloroaniline	0.384	0.359		-6.5	
Hexachlorobutadiene	0.185	0.186		0.5	20.0
Caprolactam	0.099	0.097		-2.0	
4-Chloro-3-methylphenol	0.304	0.296		-2.6	20.0
2-Methylnaphthalene	0.727	0.675		-7.2	
Hexachlorocyclopentadiene	0.150	0.168	0.050	12.0	
2,4,6-Trichlorophenol	0.348	0.368		5.7	20.0
2-Fluorobiphenyl	1.291	1.166		-9.7	
2,4,5-Trichlorophenol	0.394	0.406		3.0	
1,1-Biphenyl	1.455	1.318		-9.4	
2-Chloronaphthalene	1.094	0.997		-8.9	
2-Nitroaniline	0.237	0.256		8.0	
Dimethylphthalate	1.400	1.304		-6.9	
Acenaphthylene	1.674	1.527		-8.8	
2,6-Dinitrotoluene	0.273	0.286		4.8	
3-Nitroaniline	0.293	0.306		4.4	
Acenaphthene	1.079	0.968		-10.3	20.0
2,4-Dinitrophenol	0.114	0.169	0.050	48.2	
4-Nitrophenol	0.270	0.276	0.050	2.2	

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GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.781	1.614		-9.4	
2,4-Dinitrotoluene	0.356	0.392		10.1	
Diethylphthalate	1.406	1.340		-4.7	
4-Chlorophenyl-phenylether	0.682	0.626		-8.2	
Fluorene	1.377	1.237		-10.2	
4-Nitroaniline	0.307	0.328		6.8	
4,6-Dinitro-2-methylphenol	0.082	0.114		39.0	
n-Nitrosodiphenylamine	0.572	0.539		-5.8	20.0
2,4,6-Tribromophenol	0.236	0.273		15.7	
4-Bromophenyl-phenylether	0.205	0.211		2.9	
Hexachlorobenzene	0.250	0.249		-0.4	
Atrazine	0.168	0.146		-13.1	
Pentachlorophenol	0.169	0.185		9.5	20.0
Phenanthrene	1.069	0.966		-9.6	
Anthracene	1.025	0.955		-6.8	
Carbazole	1.002	0.943		-5.9	
Di-n-butylphthalate	1.116	1.193		6.9	
Fluoranthene	1.249	1.197		-4.2	20.0
Pyrene	1.239	1.139		-8.1	
Terphenyl-d14	0.910	0.855		-6.0	
Butylbenzylphthalate	0.402	0.513		27.6	
3,3-Dichlorobenzidine	0.365	0.436		19.5	
Benzo(a)anthracene	1.212	1.128		-6.9	
Chrysene	1.166	1.080		-7.4	
Bis(2-ethylhexyl)phthalate	0.650	0.772		18.8	
Di-n-octyl phthalate	1.054	1.342		27.3	20.0
Benzo(b)fluoranthene	1.164	1.062		-8.8	
Benzo(k)fluoranthene	1.158	1.036		-10.5	
Benzo(a)pyrene	0.991	0.943		-4.8	20.0
Indeno(1,2,3-cd)pyrene	1.274	1.283		0.7	
Dibenzo(a,h)anthracene	1.053	1.055		0.2	
Benzo(g,h,i)perylene	1.088	1.062		-2.4	
1,2,4,5-Tetrachlorobenzene	0.575	0.552		-4.0	
1,4-Dioxane	0.439	0.381		-13.2	20.0
2,3,4,6-Tetrachlorophenol	0.357	0.373		4.5	

All other compounds must meet a minimum RRF of 0.010.