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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: CHEM02

Lab Code: ACE SDG No.: Q2581

Instrument ID: BNA_N Calibration Date/Time: 07/18/2025 13:57

Lab File ID: BN037522.D Init. Calib. Date(s): 07/18/2025 07/18/2025

EPA Sample No.: SSTD020233 Init. Calib. Time(s): 12:38 15:55

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

COMPOUND	RRF	RRFAL3	MIN RRF	%D	MAX%D
1,4-Dioxane	0.469	0.486	0.010	3.8	40.0
Benzaldehyde	0.686	0.926	0.010	35.0	40.0
Phenol	1.515	1.537	0.080	1.4	20.0
Bis(2-Chloroethyl)ether	1.231	1.267	0.100	2.9	20.0
2-Chlorophenol	1.279	1.292	0.200	1.0	20.0
2-Methylphenol	1.145	1.164	0.010	1.6	20.0
2,2-oxybis(1-Chloropropane)	1.781	1.813	0.010	1.8	20.0
Acetophenone	1.896	1.993	0.060	5.1	20.0
4-Methylphenol	1.237	1.267	0.010	2.4	20.0
N-Nitroso-di-n-propylamine	0.881	0.929	0.050	5.4	20.0
Hexachloroethane	0.548	0.560	0.100	2.2	20.0
Nitrobenzene	0.342	0.341	0.050	-0.5	20.0
Isophorone	0.625	0.641	0.050	2.5	20.0
2-Nitrophenol	0.158	0.161	0.050	1.5	25.0
2,4-Dimethylphenol	0.333	0.343	0.050	3.1	20.0
Bis(2-Chloroethoxy)methane	0.406	0.413	0.050	1.7	20.0
2,4-Dichlorophenol	0.290	0.297	0.060	2.5	20.0
Naphthalene	1.064	1.068	0.200	0.4	20.0
4-Chloroaniline	0.429	0.442	0.010	3.1	40.0
Hexachlorobutadiene	0.200	0.193	0.040	-3.7	20.0
Caprolactam	0.092	0.093	0.010	1.0	40.0
4-Chloro-3-methylphenol	0.299	0.318	0.040	6.2	20.0
2-Methylnaphthalene	0.726	0.746	0.100	2.7	20.0
Hexachlorocyclopentadiene	0.380	0.343	0.010	-9.6	40.0
2,4,6-Trichlorophenol	0.352	0.362	0.090	2.9	25.0
2,4,5-Trichlorophenol	0.400	0.400	0.100	0.0	20.0
1,1-Biphenyl	1.505	1.511	0.200	0.4	20.0
2-Chloronaphthalene	1.167	1.167	0.300	0.0	20.0
2-Nitroaniline	0.279	0.289	0.050	3.5	25.0
Dimethylphthalate	1.399	1.430	0.300	2.2	20.0
2,6-Dinitrotoluene	0.266	0.277	0.080	4.2	40.0
Acenaphthylene	1.905	1.939	0.400	1.8	20.0
3-Nitroaniline	0.263	0.288	0.010	9.5	40.0
Acenaphthene	1.237	1.244	0.200	0.5	25.0
2,4-Dinitrophenol	0.139	0.112	0.010	-19.4	40.0
4-Nitrophenol	0.193	0.195	0.010	1.0	40.0
Dibenzofuran	1.715	1.755	0.300	2.3	20.0
2,4-Dinitrotoluene	0.389	0.416	0.070	6.9	40.0
Diethylphthalate	1.406	1.452	0.300	3.3	20.0

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EPA Sample No.: SSTD020233 Init. Calib. Time(s): 12:38 15:55

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

COMPOUND	RRF	RRFAL3	MIN RRF	%D	MAX%D
Fluorene	1.401	1.442	0.200	2.9	25.0
4-Chlorophenyl-phenylether	0.685	0.704	0.100	2.8	25.0
4-Nitroaniline	0.250	0.295	0.010	18.0	40.0
4,6-Dinitro-2-methylphenol	0.119	0.106	0.010	-11.2	40.0
N-Nitrosodiphenylamine	0.622	0.623	0.050	0.1	20.0
1,2,4,5-Tetrachlorobenzene	0.597	0.586	0.100	-1.8	20.0
4-Bromophenyl-phenylether	0.221	0.218	0.070	-1.0	20.0
Hexachlorobenzene	0.262	0.257	0.050	-1.8	25.0
Atrazine	0.224	0.222	0.010	-1.0	40.0
Pentachlorophenol	0.162	0.146	0.010	-9.7	40.0
Phenanthrene	1.135	1.145	0.200	0.9	20.0
Anthracene	1.153	1.172	0.200	1.7	20.0
Carbazole	1.019	1.034	0.050	1.5	40.0
Di-n-butylphthalate	1.227	1.260	0.500	2.8	20.0
Fluoranthene	1.247	1.219	0.400	-2.3	20.0
Pyrene	1.302	1.268	0.400	-2.6	20.0
Butylbenzylphthalate	0.452	0.436	0.100	-3.4	40.0
3,3-Dichlorobenzidine	0.381	0.373	0.010	-2.2	40.0
Benzo(a)anthracene	1.300	1.270	0.300	-2.3	20.0
Chrysene	1.234	1.214	0.200	-1.6	20.0
Bis(2-ethylhexyl)phthalate	0.750	0.731	0.200	-2.5	40.0
Di-n-octyl phthalate	1.232	1.121	0.010	-9.0	40.0
Benzo(b)fluoranthene	1.175	1.211	0.200	3.0	20.0
Benzo(k)fluoranthene	1.220	1.219	0.200	-0.1	20.0
Benzo(a)pyrene	1.128	1.174	0.200	4.2	20.0
Indeno(1,2,3-cd)pyrene	1.431	1.464	0.200	2.3	20.0
Dibenzo(a,h)anthracene	1.194	1.230	0.200	3.0	20.0
Benzo(g,h,i)perylene	1.158	1.205	0.200	4.0	20.0
2,3,4,6-Tetrachlorophenol	0.313	0.324	0.040	3.4	40.0
1,4-Dioxane-d8	0.422	0.436	0.010	3.3	20.0
Pyridine-d5	1.217	1.249	0.010	2.6	40.0
Phenol-d5	1.474	1.495	0.010	1.5	20.0
Bis-(2-Chloroethyl)ether-d8	0.892	0.899	0.050	0.8	20.0
2-Chlorophenol-d4	1.255	1.281	0.200	2.1	20.0
4-Methylphenol-d8	1.212	1.243	0.010	2.5	20.0
Nitrobenzene-d5	0.150	0.153	0.050	2.1	20.0
2-Nitrophenol-d4	0.138	0.138	0.050	-0.1	25.0
2,4-Dichlorophenol-d3	0.288	0.297	0.060	3.1	20.0
4-Chloroaniline-d4	0.428	0.433	0.010	1.2	40.0

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EPA Sample No.: SSTD020233 Init. Calib. Time(s): 12:38 15:55

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

COMPOUND	RRF	RRFAL3	MIN RRF	%D	MAX%D
Dimethylphthalate-d6	1.420	1.453	0.300	2.4	20.0
Acenaphthylene-d8	1.666	1.694	0.400	1.6	20.0
4-Nitrophenol-d4	0.270	0.269	0.010	-0.6	40.0
Fluorene-d10	1.226	1.249	0.100	1.9	20.0
4,6-Dinitro-2-methylphenol-d2	0.111	0.093	0.010	-16.0	40.0
Anthracene-d10	0.984	1.003	0.300	2.0	20.0
Pyrene-d10	1.051	1.029	0.300	-2.1	20.0
Benzo(a)pyrene-d12	1.009	1.031	0.010	2.2	20.0

All other compounds must meet a minimum RRF of 0.010.