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

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: Q1942 SAS No.: Q1942 SDG No.: Q1942

Instrument ID: BNA_N Calibration Date/Time: 05/20/2025 10:16

Lab File ID: BN037067.D Init. Calib. Date(s): 05/16/2025 05/16/2025

EPA Sample No.: SSTD020369 Init. Calib. Time(s): 12:53 16:10

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.550	0.603	0.010	9.6	40.0
Benzaldehyde	0.919	1.240	0.010	34.9	40.0
Phenol	1.902	1.954	0.080	2.7	20.0
Bis(2-Chloroethyl)ether	1.500	1.515	0.100	1.0	20.0
2-Chlorophenol	1.378	1.479	0.200	7.3	20.0
2-Methylphenol	1.365	1.391	0.010	1.9	20.0
2,2-oxybis(1-Chloropropane)	3.026	3.013	0.010	-0.4	40.0
Acetophenone	2.382	2.510	0.060	5.3	20.0
4-Methylphenol	1.533	1.558	0.010	1.6	20.0
N-Nitroso-di-n-propylamine	1.374	1.454	0.050	5.8	30.0
Hexachloroethane	0.657	0.739	0.100	12.5	20.0
Nitrobenzene	0.483	0.509	0.050	5.3	25.0
Isophorone	0.819	0.840	0.050	2.6	25.0
2-Nitrophenol	0.181	0.189	0.050	4.4	25.0
2,4-Dimethylphenol	0.391	0.420	0.050	7.3	25.0
Bis(2-Chloroethoxy)methane	0.477	0.478	0.050	0.1	20.0
2,4-Dichlorophenol	0.305	0.324	0.060	6.1	20.0
Naphthalene	1.068	1.098	0.200	2.7	20.0
4-Chloroaniline	0.432	0.439	0.010	1.6	40.0
Hexachlorobutadiene	0.201	0.220	0.040	9.5	30.0
Caprolactam	0.104	0.102	0.010	-2.2	40.0
4-Chloro-3-methylphenol	0.372	0.398	0.040	7.0	25.0
2-Methylnaphthalene	0.737	0.774	0.100	5.1	20.0
Hexachlorocyclopentadiene	0.326	0.322	0.010	-1.1	40.0
2,4,6-Trichlorophenol	0.364	0.384	0.090	5.6	25.0
2,4,5-Trichlorophenol	0.396	0.418	0.100	5.6	25.0
1,1-Biphenyl	1.446	1.454	0.200	0.5	20.0
2-Chloronaphthalene	1.129	1.161	0.300	2.8	20.0
2-Nitroaniline	0.478	0.507	0.050	6.0	40.0
Dimethylphthalate	1.443	1.487	0.300	3.1	20.0
2,6-Dinitrotoluene	0.280	0.296	0.080	5.5	30.0
Acenaphthylene	1.712	1.767	0.400	3.2	20.0
3-Nitroaniline	0.296	0.307	0.010	3.8	40.0
Acenaphthene	1.270	1.318	0.200	3.8	20.0
2,4-Dinitrophenol	0.187	0.169	0.010	-9.8	40.0
4-Nitrophenol	0.313	0.347	0.010	10.9	40.0
Dibenzofuran	1.742	1.814	0.300	4.1	20.0
2,4-Dinitrotoluene	0.425	0.448	0.070	5.5	30.0
Diethylphthalate	1.524	1.588	0.300	4.2	20.0

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Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: Q1942 SAS No.: Q1942 SDG No.: Q1942

Instrument ID: BNA_N Calibration Date/Time: 05/20/2025 10:16

Lab File ID: BN037067.D Init. Calib. Date(s): 05/16/2025 05/16/2025

EPA Sample No.: SSTD020369 Init. Calib. Time(s): 12:53 16:10

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Fluorene	1.430	1.479	0.200	3.4	20.0
4-Chlorophenyl-phenylether	0.676	0.716	0.100	5.9	20.0
4-Nitroaniline	0.281	0.322	0.010	14.7	40.0
4,6-Dinitro-2-methylphenol	0.142	0.141	0.010	-0.3	40.0
N-Nitrosodiphenylamine	0.610	0.613	0.050	0.5	20.0
1,2,4,5-Tetrachlorobenzene	0.566	0.573	0.100	1.4	20.0
4-Bromophenyl-phenylether	0.193	0.201	0.070	4.5	20.0
Hexachlorobenzene	0.208	0.207	0.050	-0.4	25.0
Atrazine	0.226	0.230	0.010	2.1	25.0
Pentachlorophenol	0.149	0.141	0.010	-5.0	40.0
Phenanthrene	1.132	1.167	0.200	3.1	20.0
Anthracene	1.154	1.206	0.200	4.6	20.0
Carbazole	1.051	1.100	0.050	4.7	40.0
Di-n-butylphthalate	1.339	1.444	0.500	7.8	25.0
Fluoranthene	1.297	1.369	0.400	5.6	25.0
Pyrene	1.391	1.459	0.400	4.8	25.0
Butylbenzylphthalate	0.592	0.638	0.100	7.8	40.0
3,3-Dichlorobenzidine	0.365	0.377	0.010	3.2	40.0
Benzo(a)anthracene	1.327	1.378	0.300	3.8	30.0
Chrysene	1.260	1.313	0.200	4.2	30.0
Bis(2-ethylhexyl)phthalate	0.889	0.957	0.200	7.7	40.0
Di-n-octyl phthalate	1.683	1.571	0.010	-6.7	40.0
Benzo(b)fluoranthene	1.249	1.301	0.200	4.2	25.0
Benzo(k)fluoranthene	1.262	1.335	0.200	5.8	25.0
Benzo(a)pyrene	1.130	1.194	0.200	5.7	20.0
Indeno(1,2,3-cd)pyrene	1.208	1.318	0.200	9.0	25.0
Dibenzo(a,h)anthracene	0.981	1.090	0.200	11.1	30.0
Benzo(g,h,i)perylene	0.913	1.010	0.200	10.6	30.0
2,3,4,6-Tetrachlorophenol	0.333	0.359	0.040	7.7	20.0
1,4-Dioxane-d8	0.492	0.504	0.010	2.4	25.0
Pyridine-d5	1.540	1.544	0.010	0.2	40.0
Phenol-d5	1.788	1.782	0.010	-0.4	25.0
Bis-(2-Chloroethyl)ether-d8	1.302	1.332	0.050	2.3	25.0
2-Chlorophenol-d4	1.297	1.390	0.200	7.2	20.0
4-Methylphenol-d8	1.451	1.474	0.010	1.5	20.0
Nitrobenzene-d5	0.154	0.156	0.050	1.2	20.0
2-Nitrophenol-d4	0.166	0.171	0.050	3.2	30.0
2,4-Dichlorophenol-d3	0.300	0.311	0.060	3.6	20.0
4-Chloroaniline-d4	0.449	0.452	0.010	0.6	40.0

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Instrument ID: BNA_N Calibration Date/Time: 05/20/2025 10:16

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EPA Sample No.: SSTD020369 Init. Calib. Time(s): 12:53 16:10

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Dimethylphthalate-d6	1.438	1.462	0.300	1.7	20.0
Acenaphthylene-d8	1.638	1.663	0.400	1.5	20.0
4-Nitrophenol-d4	0.288	0.278	0.010	-3.3	40.0
Fluorene-d10	1.208	1.270	0.100	5.2	20.0
4,6-Dinitro-2-methylphenol-d2	0.132	0.129	0.010	-2.3	40.0
Anthracene-d10	0.977	1.016	0.300	4.0	20.0
Pyrene-d10	1.080	1.139	0.300	5.5	25.0
Benzo(a)pyrene-d12	0.999	1.054	0.010	5.5	20.0

All other compounds must meet a minimum RRF of 0.010.