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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: Q1268 SAS No.: Q1268 SDG No.: Q1268

Instrument ID: BNA_P Calibration Date/Time: 02/05/2025 15:43

Lab File ID: BP023937.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTD020796 Init. Calib. Time(s): 13:16 16:40

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.506	0.537	0.010	6.1	40.0
Benzaldehyde	0.869	1.195	0.010	37.6	40.0
Phenol	1.817	2.030	0.080	11.7	20.0
Bis(2-Chloroethyl)ether	1.383	1.538	0.100	11.2	20.0
2-Chlorophenol	1.432	1.597	0.200	11.5	20.0
2-Methylphenol	1.367	1.473	0.010	7.7	20.0
2,2-oxybis(1-Chloropropane)	1.427	1.617	0.010	13.3	40.0
Acetophenone	2.210	2.503	0.060	13.3	20.0
4-Methylphenol	1.517	1.653	0.010	9.0	20.0
N-Nitroso-di-n-propylamine	1.041	1.161	0.050	11.5	30.0
Hexachloroethane	0.566	0.622	0.100	9.9	20.0
Nitrobenzene	0.347	0.401	0.050	15.5	25.0
Isophorone	0.701	0.730	0.050	4.2	25.0
2-Nitrophenol	0.188	0.201	0.050	6.8	25.0
2,4-Dimethylphenol	0.349	0.388	0.050	11.3	25.0
Bis(2-Chloroethoxy)methane	0.437	0.464	0.050	6.3	20.0
2,4-Dichlorophenol	0.321	0.346	0.060	7.7	20.0
Naphthalene	1.071	1.192	0.200	11.3	20.0
4-Chloroaniline	0.447	0.486	0.010	8.8	40.0
Hexachlorobutadiene	0.194	0.206	0.040	5.7	30.0
Caprolactam	0.124	0.110	0.010	-11.8	40.0
4-Chloro-3-methylphenol	0.345	0.356	0.040	3.2	25.0
2-Methylnaphthalene	0.753	0.803	0.100	6.7	20.0
Hexachlorocyclopentadiene	0.333	0.284	0.010	-14.9	40.0
2,4,6-Trichlorophenol	0.395	0.425	0.090	7.7	25.0
2,4,5-Trichlorophenol	0.426	0.462	0.100	8.6	25.0
1,1-Biphenyl	1.485	1.685	0.200	13.5	20.0
2-Chloronaphthalene	1.157	1.326	0.300	14.6	20.0
2-Nitroaniline	0.301	0.337	0.050	12.1	40.0
Dimethylphthalate	1.484	1.538	0.300	3.6	20.0
2,6-Dinitrotoluene	0.290	0.296	0.080	2.0	30.0
Acenaphthylene	1.792	2.040	0.400	13.8	20.0
3-Nitroaniline	0.319	0.340	0.010	6.7	40.0
Acenaphthene	1.270	1.413	0.200	11.2	20.0
2,4-Dinitrophenol	0.173	0.159	0.010	-7.8	40.0
4-Nitrophenol	0.210	0.223	0.010	6.3	40.0
Dibenzofuran	1.760	1.953	0.300	11.0	20.0
2,4-Dinitrotoluene	0.431	0.439	0.070	1.8	30.0
Diethylphthalate	1.487	1.501	0.300	0.9	20.0

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Lab Code: CHEM Case No.: Q1268 SAS No.: Q1268 SDG No.: Q1268

Instrument ID: BNA_P Calibration Date/Time: 02/05/2025 15:43

Lab File ID: BP023937.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTD020796 Init. Calib. Time(s): 13:16 16:40

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Fluorene	1.460	1.653	0.200	13.2	20.0
4-Chlorophenyl-phenylether	0.723	0.792	0.100	9.6	20.0
4-Nitroaniline	0.310	0.364	0.010	17.3	40.0
4,6-Dinitro-2-methylphenol	0.136	0.122	0.010	-9.9	40.0
N-Nitrosodiphenylamine	0.610	0.687	0.050	12.5	20.0
1,2,4,5-Tetrachlorobenzene	0.591	0.674	0.100	13.9	20.0
4-Bromophenyl-phenylether	0.226	0.237	0.070	4.9	20.0
Hexachlorobenzene	0.273	0.287	0.050	5.1	25.0
Atrazine	0.236	0.238	0.010	0.8	25.0
Pentachlorophenol	0.168	0.160	0.010	-4.9	40.0
Phenanthrene	1.129	1.255	0.200	11.1	20.0
Anthracene	1.139	1.298	0.200	14.0	20.0
Carbazole	0.998	1.163	0.050	16.5	40.0
Di-n-butylphthalate	1.235	1.266	0.500	2.5	25.0
Fluoranthene	1.234	1.381	0.400	11.9	25.0
Pyrene	1.291	1.509	0.400	16.9	25.0
Butylbenzylphthalate	0.556	0.544	0.100	-2.1	40.0
3,3-Dichlorobenzidine	0.433	0.407	0.010	-6.0	40.0
Benzo(a)anthracene	1.315	1.422	0.300	8.1	30.0
Chrysene	1.212	1.342	0.200	10.7	30.0
Bis(2-ethylhexyl)phthalate	0.811	0.777	0.200	-4.2	40.0
Di-n-octyl phthalate	1.199	1.238	0.010	3.2	40.0
Benzo(b)fluoranthene	1.214	1.381	0.200	13.8	25.0
Benzo(k)fluoranthene	1.217	1.402	0.200	15.2	25.0
Benzo(a)pyrene	1.133	1.283	0.200	13.2	20.0
Indeno(1,2,3-cd)pyrene	1.469	1.570	0.200	6.9	25.0
Dibenzo(a,h)anthracene	1.192	1.280	0.200	7.4	30.0
Benzo(g,h,i)perylene	1.125	1.211	0.200	7.6	30.0
2,3,4,6-Tetrachlorophenol	0.362	0.359	0.040	-0.9	20.0
1,4-Dioxane-d8	0.481	0.506	0.010	5.2	25.0
Pyridine-d5	1.389	1.559	0.010	12.2	40.0
Phenol-d5	1.770	1.927	0.010	8.9	25.0
Bis-(2-Chloroethyl)ether-d8	0.937	1.064	0.050	13.6	25.0
2-Chlorophenol-d4	1.390	1.523	0.200	9.6	20.0
4-Methylphenol-d8	1.446	1.533	0.010	6.0	20.0
Nitrobenzene-d5	0.160	0.172	0.050	7.6	20.0
2-Nitrophenol-d4	0.173	0.179	0.050	3.8	30.0
2,4-Dichlorophenol-d3	0.317	0.340	0.060	7.4	20.0
4-Chloroaniline-d4	0.474	0.505	0.010	6.7	40.0

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Lab Code: CHEM Case No.: Q1268 SAS No.: Q1268 SDG No.: Q1268

Instrument ID: BNA_P Calibration Date/Time: 02/05/2025 15:43

Lab File ID: BP023937.D Init. Calib. Date(s): 01/29/2025 01/29/2025

EPA Sample No.: SSTD020796 Init. Calib. Time(s): 13:16 16:40

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Dimethylphthalate-d6	1.492	1.533	0.300	2.8	20.0
Acenaphthylene-d8	1.683	1.860	0.400	10.5	20.0
4-Nitrophenol-d4	0.296	0.283	0.010	-4.5	40.0
Fluorene-d10	1.256	1.341	0.100	6.8	20.0
4,6-Dinitro-2-methylphenol-d2	0.123	0.111	0.010	-10.3	40.0
Anthracene-d10	0.982	1.103	0.300	12.3	20.0
Pyrene-d10	1.072	1.195	0.300	11.5	25.0
Benzo(a)pyrene-d12	1.044	1.152	0.010	10.4	20.0

All other compounds must meet a minimum RRF of 0.010.