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.: P4442 SAS No.: P4442 SDG No.: P4442

Instrument ID: BNA_P Calibration Date/Time: 10/23/2024 03:56

Lab File ID: BP022555.D Init. Calib. Date(s): 10/07/2024 10/07/2024

EPA Sample No.: SSTD020671 Init. Calib. Time(s): 16:41 20:06

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
1,4-Dioxane	0.553	0.530	0.010	-4.2	40.0
Benzaldehyde	0.910	0.707	0.010	-22.3	40.0
Phenol	1.752	1.591	0.080	-9.1	20.0
Bis(2-Chloroethyl)ether	1.311	1.266	0.100	-3.4	20.0
2-Chlorophenol	1.235	1.211	0.200	-2.0	20.0
2-Methylphenol	1.271	1.202	0.010	-5.5	20.0
2,2-oxybis(1-Chloropropane)	1.524	1.427	0.010	-6.4	40.0
Acetophenone	2.218	2.003	0.060	-9.7	20.0
4-Methylphenol	1.410	1.298	0.010	-7.9	20.0
N-Nitroso-di-n-propylamine	1.124	1.038	0.050	-7.6	30.0
Hexachloroethane	0.575	0.568	0.100	-1.3	20.0
Nitrobenzene	0.459	0.436	0.050	-5.0	25.0
Isophorone	0.823	0.791	0.050	-3.9	25.0
2-Nitrophenol	0.192	0.194	0.050	1.2	25.0
2,4-Dimethylphenol	0.417	0.407	0.050	-2.3	25.0
Bis(2-Chloroethoxy)methane	0.467	0.461	0.050	-1.4	20.0
2,4-Dichlorophenol	0.373	0.374	0.060	0.5	20.0
Naphthalene	1.065	1.062	0.200	-0.3	20.0
4-Chloroaniline	0.441	0.413	0.010	-6.5	40.0
Hexachlorobutadiene	0.314	0.323	0.040	2.8	30.0
Caprolactam	0.120	0.106	0.010	-11.4	40.0
4-Chloro-3-methylphenol	0.407	0.404	0.040	-0.7	25.0
2-Methylnaphthalene	0.782	0.782	0.100	0.0	20.0
Hexachlorocyclopentadiene	0.451	0.367	0.010	-18.5	40.0
2,4,6-Trichlorophenol	0.465	0.473	0.090	1.6	25.0
2,4,5-Trichlorophenol	0.495	0.508	0.100	2.6	25.0
1,1-Biphenyl	1.442	1.449	0.200	0.5	20.0
2-Chloronaphthalene	1.180	1.223	0.300	3.6	20.0
2-Nitroaniline	0.352	0.345	0.050	-2.2	40.0
Dimethylphthalate	1.583	1.528	0.300	-3.5	20.0
2,6-Dinitrotoluene	0.299	0.319	0.080	6.4	30.0
Acenaphthylene	1.752	1.819	0.400	3.8	20.0
3-Nitroaniline	0.281	0.279	0.010	-0.9	40.0
Acenaphthene	1.239	1.260	0.200	1.7	20.0
2,4-Dinitrophenol	0.220	0.154	0.010	-30.3	40.0
4-Nitrophenol	0.296	0.267	0.010	-9.7	40.0
Dibenzofuran	1.861	1.827	0.300	-1.8	20.0
2,4-Dinitrotoluene	0.465	0.473	0.070	1.7	30.0
Diethylphthalate	1.519	1.525	0.300	0.4	20.0

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Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4442 SAS No.: P4442 SDG No.: P4442

Instrument ID: BNA_P Calibration Date/Time: 10/23/2024 03:56

Lab File ID: BP022555.D Init. Calib. Date(s): 10/07/2024 10/07/2024

EPA Sample No.: SSTD020671 Init. Calib. Time(s): 16:41 20:06

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Fluorene	1.516	1.503	0.200	-0.8	20.0
4-Chlorophenyl-phenylether	0.867	0.875	0.100	0.9	20.0
4-Nitroaniline	0.283	0.300	0.010	6.1	40.0
4,6-Dinitro-2-methylphenol	0.142	0.113	0.010	-20.0	40.0
N-Nitrosodiphenylamine	0.536	0.522	0.050	-2.6	20.0
1,2,4,5-Tetrachlorobenzene	0.740	0.750	0.100	1.4	20.0
4-Bromophenyl-phenylether	0.241	0.249	0.070	3.3	20.0
Hexachlorobenzene	0.297	0.304	0.050	2.5	25.0
Atrazine	0.223	0.208	0.010	-6.5	25.0
Pentachlorophenol	0.191	0.186	0.010	-2.3	40.0
Phenanthrene	1.070	1.079	0.200	0.8	20.0
Anthracene	1.068	1.099	0.200	2.9	20.0
Carbazole	0.945	0.947	0.050	0.3	40.0
Di-n-butylphthalate	1.045	1.083	0.500	3.5	25.0
Fluoranthene	1.216	1.313	0.400	8.0	25.0
Pyrene	1.303	1.367	0.400	4.9	25.0
Butylbenzylphthalate	0.454	0.482	0.100	6.1	40.0
3,3-Dichlorobenzidine	0.477	0.422	0.010	-11.5	40.0
Benzo(a)anthracene	1.402	1.417	0.300	1.1	30.0
Chrysene	1.300	1.289	0.200	-0.8	30.0
Bis(2-ethylhexyl)phthalate	0.651	0.696	0.200	6.8	40.0
Di-n-octyl phthalate	0.951	1.050	0.010	10.3	40.0
Benzo(b)fluoranthene	1.259	1.300	0.200	3.2	25.0
Benzo(k)fluoranthene	1.233	1.243	0.200	0.8	25.0
Benzo(a)pyrene	1.159	1.178	0.200	1.6	20.0
Indeno(1,2,3-cd)pyrene	1.546	1.498	0.200	-3.1	25.0
Dibenzo(a,h)anthracene	1.252	1.229	0.200	-1.9	30.0
Benzo(g,h,i)perylene	1.203	1.173	0.200	-2.5	30.0
2,3,4,6-Tetrachlorophenol	0.462	0.475	0.040	2.7	20.0
1,4-Dioxane-d8	0.515	0.486	0.010	-5.6	25.0
Pyridine-d5	1.413	1.260	0.010	-10.8	40.0
Phenol-d5	1.684	1.571	0.010	-6.7	25.0
Bis-(2-Chloroethyl)ether-d8	0.989	0.930	0.050	-6.0	25.0
2-Chlorophenol-d4	1.195	1.209	0.200	1.2	20.0
4-Methylphenol-d8	1.344	1.257	0.010	-6.4	20.0
Nitrobenzene-d5	0.154	0.160	0.050	3.8	20.0
2-Nitrophenol-d4	0.178	0.188	0.050	5.7	30.0
2,4-Dichlorophenol-d3	0.378	0.390	0.060	3.2	20.0
4-Chloroaniline-d4	0.447	0.421	0.010	-5.9	40.0

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Lab Code: CHEM Case No.: P4442 SAS No.: P4442 SDG No.: P4442

Instrument ID: BNA_P Calibration Date/Time: 10/23/2024 03:56

Lab File ID: BP022555.D Init. Calib. Date(s): 10/07/2024 10/07/2024

EPA Sample No.: SSTD020671 Init. Calib. Time(s): 16:41 20:06

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

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Dimethylphthalate-d6	1.589	1.573	0.300	-1.0	20.0
Acenaphthylene-d8	1.688	1.718	0.400	1.8	20.0
4-Nitrophenol-d4	0.267	0.254	0.010	-4.6	40.0
Fluorene-d10	1.378	1.381	0.100	0.2	20.0
4,6-Dinitro-2-methylphenol-d2	0.132	0.108	0.010	-17.7	40.0
Anthracene-d10	0.941	0.949	0.300	0.8	20.0
Pyrene-d10	1.058	1.101	0.300	4.1	25.0
Benzo(a)pyrene-d12	1.068	1.061	0.010	-0.7	20.0

All other compounds must meet a minimum RRF of 0.010.