Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2210 SAS No.: Q2210 SDG No.: Q2210

Instrument ID: BNA_P Calibration Date(s): 06/06/2025 06/06/2025

Calibration Time(s): 10:30 15:18

LAB FILE ID: RRF2.5 = BP024860.D RRF005 = BP024861.D RRF010 = BP024862.D
RRF020 = BP024863.D RRF040 = BP024864.D RRF050 = BP024865.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.127	1.139	1.207	1.163	1.283	1.198	4.9
Benzaldehyde			1.038	1.071	0.873	0.985	0.914	17.0
Phenol-d6		1.507	1.528	1.588	1.545	1.676	1.585	4.5
bis(2-Chloroethyl)ether		1.222	1.277	1.334	1.234	1.363	1.285	4.3
2,2-oxybis(1-Chloropropane)		1.748	1.732	1.722	1.583	1.751	1.682	4.5
Acetophenone		0.506	0.521	0.511	0.491	0.535	0.505	4.6
n-Nitroso-di-n-propylamine	0.984	1.101	1.105	1.107	1.043	1.141	1.078	4.9
Nitrobenzene-d5		0.407	0.397	0.423	0.404	0.444	0.412	4.9
Hexachloroethane		0.591	0.565	0.581	0.545	0.611	0.576	3.7
Nitrobenzene		0.366	0.351	0.375	0.360	0.392	0.366	4.8
Isophorone		0.704	0.678	0.724	0.694	0.764	0.713	3.9
bis(2-Chloroethoxy)methane		0.414	0.408	0.438	0.414	0.465	0.426	4.7
Naphthalene		1.071	1.022	1.044	0.989	1.079	1.025	4.9
4-Chloroaniline		0.397	0.401	0.435	0.426	0.471	0.429	6.7
Hexachlorobutadiene		0.203	0.199	0.208	0.194	0.218	0.201	4.8
Caprolactam			0.098	0.109	0.110	0.118	0.109	6.9
2-Methylnaphthalene		0.659	0.638	0.659	0.633	0.696	0.650	4.5
Hexachlorocyclopentadiene			0.259	0.315	0.337	0.404	0.346	15.7
2-Fluorobiphenyl		1.542	1.507	1.517	1.390	1.563	1.485	4.4
1,1-Biphenyl		1.477	1.456	1.485	1.386	1.509	1.453	3.1
2-Chloronaphthalene		1.123	1.104	1.135	1.069	1.171	1.117	3.2
2-Nitroaniline		0.289	0.324	0.344	0.346	0.371	0.343	8.6
Dimethylphthalate		1.515	1.450	1.501	1.400	1.550	1.475	3.4
Acenaphthylene		1.880	1.851	1.892	1.768	1.939	1.863	3.2
2,6-Dinitrotoluene		0.299	0.301	0.326	0.312	0.339	0.318	4.9
3-Nitroaniline		0.263	0.292	0.337	0.338	0.367	0.330	11.7
Acenaphthene		1.106	1.064	1.090	1.020	1.087	1.067	2.9
Dibenzofuran		1.815	1.721	1.756	1.627	1.757	1.713	4.2
2,4-Dinitrotoluene		0.390	0.416	0.457	0.437	0.487	0.445	7.4
Diethylphthalate		1.501	1.474	1.487	1.393	1.545	1.470	3.3
4-Chlorophenyl-phenylether		0.711	0.668	0.689	0.637	0.709	0.677	4.1
Fluorene		1.437	1.394	1.420	1.304	1.434	1.384	3.8
4-Nitroaniline		0.239	0.235	0.307	0.311	0.336	0.299	14.7
n-Nitrosodiphenylamine		0.627	0.608	0.633	0.597	0.659	0.620	3.7

All other compounds must meet a minimum RRF of 0.010.

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COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,4,6-Tribromophenol		0.256	0.264	0.279	0.267	0.298	0.277	5.3
4-Bromophenyl-phenylether		0.224	0.215	0.226	0.213	0.246	0.226	4.8
Hexachlorobenzene		0.278	0.268	0.272	0.260	0.290	0.274	3.3
Atrazine		0.213	0.212	0.231	0.217	0.244	0.225	5.2
Phenanthrene		1.158	1.108	1.110	1.056	1.161	1.105	4.1
Anthracene		1.129	1.093	1.137	1.072	1.188	1.119	3.6
Carbazole		1.023	1.013	1.057	0.998	1.112	1.038	3.8
Di-n-butylphthalate		1.178	1.245	1.326	1.272	1.421	1.285	5.8
Fluoranthene		1.300	1.287	1.307	1.223	1.344	1.281	3.3
Pyrene		1.307	1.195	1.261	1.184	1.322	1.249	4.4
Terphenyl-d14		1.178	1.073	1.146	1.089	1.164	1.116	4.6
Butylbenzylphthalate		0.508	0.529	0.581	0.562	0.641	0.572	7.7
3,3-Dichlorobenzidine			0.468	0.513	0.493	0.542	0.508	5.3
Benzo(a)anthracene		1.312	1.234	1.288	1.219	1.347	1.279	3.7
Chrysene		1.252	1.174	1.229	1.144	1.279	1.212	4.1
Bis(2-ethylhexyl)phthalate		0.715	0.780	0.846	0.797	0.921	0.820	7.9
Di-n-octyl phthalate			1.320	1.438	1.384	1.587	1.445	6.2
Benzo(b)fluoranthene		1.103	1.104	1.133	1.127	1.232	1.145	4.1
Benzo(k)fluoranthene		1.165	1.144	1.181	1.106	1.259	1.165	4.1
Benzo(a)pyrene		1.096	1.069	1.127	1.070	1.214	1.118	4.5
Indeno(1,2,3-cd)pyrene		1.427	1.402	1.469	1.412	1.559	1.459	3.9
Dibenzo(a,h)anthracene		1.151	1.143	1.202	1.143	1.279	1.188	4.3
Benzo(g,h,i)perylene		1.172	1.127	1.183	1.136	1.261	1.179	3.9
1,2,4,5-Tetrachlorobenzene		0.568	0.561	0.568	0.538	0.601	0.568	3.3
1,4-Dioxane		0.564	0.529	0.524	0.495	0.546	0.527	4.2

All other compounds must meet a minimum RRF of 0.010.