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

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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PSEG03

Lab Code: CHEM Case No.: Q1262 SAS No.: Q1262 SDG No.: Q1262

Instrument ID: BNA_F Calibration Date(s): 01/29/2025 01/29/2025

Calibration Time(s): 10:30 17:05

LAB FILE ID: RRF2.5 = BF141290.D RRF005 = BF141291.D RRF010 = BF141292.D
RRF020 = BF141293.D RRF040 = BF141294.D RRF050 = BF141295.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.428	1.391	1.402	1.201	1.267	1.303	8.0
Benzaldehyde		1.166	1.130	1.104	0.895	0.861	0.960	17.8
Phenol-d6		1.841	1.800	1.743	1.520	1.611	1.657	8.5
Phenol		1.938	1.879	1.884	1.643	1.696	1.757	8.2
bis(2-Chloroethyl)ether		1.478	1.413	1.426	1.232	1.299	1.347	6.9
2-Chlorophenol		1.535	1.510	1.487	1.297	1.353	1.396	8.2
2-Methylphenol		1.237	1.175	1.210	1.042	1.107	1.135	6.6
2,2-oxybis(1-Chloropropane)		2.533	2.484	2.495	2.189	2.296	2.342	7.0
Acetophenone		0.547	0.523	0.517	0.436	0.449	0.475	11.1
3+4-Methylphenols		1.561	1.564	1.502	1.287	1.331	1.393	10.6
n-Nitroso-di-n-propylamine	1.084	1.052	1.060	1.032	0.895	0.936	0.985	8.3
Nitrobenzene-d5		0.405	0.396	0.406	0.354	0.373	0.379	6.1
Hexachloroethane		0.609	0.612	0.610	0.530	0.560	0.571	7.1
Nitrobenzene		0.418	0.411	0.420	0.371	0.385	0.393	6.1
Isophorone		0.698	0.685	0.694	0.611	0.640	0.656	5.6
2-Nitrophenol		0.176	0.187	0.199	0.177	0.189	0.185	4.7
2,4-Dimethylphenol		0.244	0.239	0.249	0.224	0.235	0.236	4.1
bis(2-Chloroethoxy)methane		0.454	0.440	0.445	0.389	0.405	0.418	6.7
2,4-Dichlorophenol		0.307	0.300	0.312	0.271	0.284	0.289	6.4
Naphthalene		1.193	1.145	1.140	0.976	1.020	1.057	9.7
4-Chloroaniline		0.382	0.378	0.391	0.338	0.351	0.358	7.4
Hexachlorobutadiene		0.209	0.207	0.209	0.179	0.190	0.194	7.5
Caprolactam		0.097	0.095	0.102	0.089	0.094	0.094	4.9
4-Chloro-3-methylphenol		0.328	0.328	0.334	0.287	0.301	0.310	6.7
2-Methylnaphthalene		0.755	0.732	0.724	0.624	0.643	0.672	9.7
Hexachlorocyclopentadiene		0.136	0.157	0.174	0.172	0.182	0.168	9.7
2,4,6-Trichlorophenol		0.381	0.380	0.390	0.364	0.375	0.372	3.8
2-Fluorobiphenyl		1.597	1.464	1.398	1.184	1.202	1.299	14.5
2,4,5-Trichlorophenol		0.429	0.425	0.429	0.377	0.391	0.405	5.5
1,1-Biphenyl		1.810	1.692	1.650	1.454	1.492	1.560	10.3
2-Chloronaphthalene		1.396	1.310	1.290	1.122	1.159	1.216	9.6
2-Nitroaniline		0.386	0.389	0.407	0.364	0.382	0.382	3.9
Dimethylphthalate		1.498	1.456	1.445	1.239	1.299	1.351	8.3
Acenaphthylene		1.921	1.854	1.815	1.595	1.620	1.702	9.4

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
2,6-Dinitrotoluene		0.333	0.331	0.333	0.296	0.304	0.314	5.9
3-Nitroaniline		0.321	0.330	0.341	0.303	0.293	0.307	8.4
Acenaphthene		1.361	1.300	1.291	1.128	1.170	1.216	8.5
2,4-Dinitrophenol			0.102	0.136	0.147	0.156	0.146	16.8
4-Nitrophenol		0.187	0.215	0.251	0.224	0.231	0.225	9.2
Dibenzofuran		1.869	1.788	1.755	1.518	1.525	1.627	10.7
2,4-Dinitrotoluene		0.424	0.431	0.443	0.386	0.392	0.406	7.0
Diethylphthalate		1.470	1.417	1.412	1.225	1.238	1.310	9.3
4-Chlorophenyl-phenylether		0.738	0.694	0.659	0.567	0.565	0.617	13.0
Fluorene		1.512	1.410	1.353	1.167	1.164	1.262	13.0
4-Nitroaniline		0.297	0.312	0.330	0.290	0.294	0.302	5.4
4,6-Dinitro-2-methylphenol		0.080	0.105	0.122	0.125	0.131	0.118	16.3
n-Nitrosodiphenylamine		0.716	0.684	0.674	0.626	0.622	0.647	6.9
2,4,6-Tribromophenol		0.198	0.198	0.198	0.173	0.175	0.183	8.0
4-Bromophenyl-phenylether		0.235	0.234	0.234	0.217	0.218	0.224	4.6
Hexachlorobenzene		0.257	0.250	0.248	0.229	0.229	0.238	6.1
Atrazine		0.211	0.202	0.213	0.213	0.215	0.216	4.9
Pentachlorophenol		0.112	0.136	0.146	0.143	0.146	0.139	9.1
Phenanthrene		1.233	1.170	1.142	1.025	1.008	1.075	10.0
Anthracene		1.179	1.146	1.120	1.009	0.999	1.053	9.0
Carbazole		1.019	1.014	1.021	0.899	0.878	0.934	9.0
Di-n-butylphthalate		1.244	1.239	1.245	1.086	1.051	1.132	9.7
Fluoranthene		1.195	1.202	1.196	1.013	0.963	1.062	12.6
Pyrene		2.178	2.063	2.002	1.754	1.870	1.920	9.1
Terphenyl-d14		1.543	1.411	1.370	1.183	1.238	1.297	11.7
Butylbenzylphthalate		0.686	0.690	0.739	0.626	0.657	0.671	6.5
3,3-Dichlorobenzidine		0.412	0.422	0.427	0.418	0.478	0.439	5.8
Benzo(a)anthracene		1.532	1.410	1.453	1.270	1.375	1.380	7.0
Chrysene		1.332	1.325	1.342	1.136	1.267	1.265	6.0
Bis(2-ethylhexyl)phthalate		0.882	0.903	0.956	0.785	0.831	0.851	7.9
Di-n-octyl phthalate		1.194	1.267	1.438	1.230	1.365	1.321	7.0
Benzo(b)fluoranthene		1.358	1.382	1.328	1.120	1.265	1.258	8.3
Benzo(k)fluoranthene		1.167	1.114	1.274	1.083	1.049	1.114	7.3
Benzo(a)pyrene		1.118	1.059	1.131	1.011	1.061	1.063	4.4
Indeno(1,2,3-cd)pyrene		1.217	1.268	1.337	1.257	1.348	1.291	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
Dibenzo(a,h)anthracene		0.966	1.001	1.101	1.016	1.087	1.039	4.7
Benzo(g,h,i)perylene		1.011	1.075	1.139	1.043	1.123	1.080	4.2
1,2,4,5-Tetrachlorobenzene		0.615	0.613	0.603	0.534	0.555	0.569	7.3
1,4-Dioxane		0.600	0.603	0.597	0.538	0.574	0.573	5.2
2,3,4,6-Tetrachlorophenol		0.325	0.343	0.341	0.304	0.305	0.319	6.1

All other compounds must meet a minimum RRF of 0.010.