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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02
Lab Code: CHEM Case No.: Q2074 SAS No.: Q2074 SDG No.: Q2074
Instrument ID: BNA_F Calibration Date(s): 05/20/2025 05/20/2025
Calibration Time(s): 12:10 15:31

LAB FILE ID:		RRF2.5 = BF142467.D			RRF005 = BF142468.D		RRF010 = BF142469.D	
		RRF020 = BF142470.D			RRF040 = BF142471.D		RRF050 = BF142472.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.264	1.214	1.225	1.125	1.220	1.187	5.0
Benzaldehyde		1.035	0.975	0.969	0.817	0.872	0.859	17.8
Phenol-d6		1.530	1.449	1.459	1.367	1.467	1.429	4.8
Phenol		1.716	1.621	1.646	1.530	1.657	1.608	4.8
bis(2-Chloroethyl) ether		1.202	1.155	1.168	1.108	1.209	1.157	3.5
2-Chlorophenol		1.345	1.293	1.315	1.252	1.338	1.293	3.4
2-Methylphenol		1.040	0.992	1.026	0.976	1.053	1.010	3.3
2,2-oxybis(1-Chloropropane)		2.082	1.978	1.983	1.868	2.011	1.944	5.1
Acetophenone		0.480	0.453	0.459	0.429	0.452	0.443	6.0
3+4-Methylphenols		1.412	1.319	1.337	1.246	1.337	1.293	6.6
n-Nitroso-di-n-propylamine	0.923	0.941	0.880	0.900	0.843	0.912	0.886	4.7
Nitrobenzene-d5		0.376	0.365	0.379	0.356	0.382	0.367	3.5
Hexachloroethane		0.533	0.503	0.523	0.489	0.529	0.507	4.2
Nitrobenzene		0.338	0.328	0.338	0.323	0.343	0.331	2.9
Isophorone		0.636	0.615	0.620	0.593	0.638	0.613	3.3
2-Nitrophenol		0.167	0.170	0.180	0.175	0.190	0.177	4.4
2,4-Dimethylphenol		0.315	0.315	0.318	0.303	0.325	0.312	3.2
bis(2-Chloroethoxy) methane		0.406	0.394	0.394	0.364	0.391	0.383	4.6
2,4-Dichlorophenol		0.288	0.282	0.290	0.276	0.300	0.283	3.7
Naphthalene		1.061	1.021	1.020	0.941	1.007	0.985	5.9
4-Chloroaniline		0.424	0.409	0.416	0.389	0.415	0.399	6.9
Hexachlorobutadiene		0.203	0.192	0.197	0.187	0.198	0.192	4.5
Caprolactam		0.081	0.076	0.083	0.079	0.085	0.080	4.3
4-Chloro-3-methylphenol		0.304	0.290	0.299	0.282	0.301	0.291	4.0
2-Methylnaphthalene		0.679	0.638	0.646	0.590	0.631	0.620	6.6
Hexachlorocyclopentadiene		0.318	0.350	0.383	0.393	0.430	0.387	10.6
2,4,6-Trichlorophenol		0.387	0.373	0.406	0.371	0.406	0.387	3.7
2-Fluorobiphenyl		1.726	1.619	1.558	1.387	1.480	1.490	10.5
2,4,5-Trichlorophenol		0.410	0.411	0.416	0.395	0.437	0.408	4.3
1,1-Biphenyl		1.672	1.605	1.595	1.480	1.595	1.552	5.8
2-Chloronaphthalene		1.218	1.170	1.177	1.094	1.183	1.146	4.8
2-Nitroaniline		0.333	0.318	0.338	0.324	0.354	0.331	3.7
Dimethylphthalate		1.441	1.340	1.367	1.255	1.366	1.320	6.2
Acenaphthylene		2.064	1.982	2.027	1.851	1.998	1.936	5.8

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		0.290	0.283	0.289	0.280	0.302	0.285	3.7
3-Nitroaniline		0.320	0.309	0.328	0.299	0.330	0.311	5.0
Acenaphthene		1.259	1.222	1.227	1.120	1.223	1.182	5.7
2,4-Dinitrophenol			0.110	0.137	0.149	0.169	0.147	14.4
4-Nitrophenol		0.221	0.217	0.242	0.227	0.252	0.230	5.6
Dibenzofuran		1.886	1.766	1.768	1.606	1.736	1.701	7.4
2,4-Dinitrotoluene		0.372	0.367	0.387	0.364	0.398	0.372	4.6
Diethylphthalate		1.422	1.310	1.359	1.231	1.343	1.289	7.5
4-Chlorophenyl-phenylether		0.724	0.678	0.676	0.609	0.653	0.646	8.3
Fluorene		1.477	1.399	1.372	1.231	1.343	1.314	8.9
4-Nitroaniline		0.303	0.283	0.303	0.277	0.294	0.282	7.0
4,6-Dinitro-2-methylphenol		0.086	0.094	0.110	0.115	0.129	0.112	14.7
n-Nitrosodiphenylamine		0.712	0.682	0.696	0.649	0.697	0.684	3.3
2,4,6-Tribromophenol		0.230	0.225	0.234	0.211	0.233	0.222	5.4
4-Bromophenyl-phenylether		0.240	0.235	0.239	0.222	0.246	0.236	3.5
Hexachlorobenzene		0.265	0.267	0.263	0.251	0.273	0.262	3.2
Atrazine		0.184	0.174	0.186	0.178	0.196	0.182	4.3
Pentachlorophenol		0.130	0.135	0.149	0.147	0.162	0.148	7.9
Phenanthrene		1.196	1.094	1.100	1.012	1.085	1.069	7.0
Anthracene		1.191	1.132	1.124	1.036	1.110	1.091	6.1
Carbazole		1.030	0.968	0.982	0.889	0.950	0.933	7.4
Di-n-butylphthalate		1.108	1.039	1.083	0.976	1.059	1.021	7.0
Fluoranthene		1.177	1.081	1.052	0.938	0.997	0.999	11.4
Pyrene		1.929	1.967	2.066	1.859	1.959	1.866	9.8
Terphenyl-d14		1.624	1.582	1.660	1.423	1.492	1.464	12.8
Butylbenzylphthalate		0.462	0.453	0.525	0.526	0.575	0.516	8.5
3,3-Dichlorobenzidine		0.360	0.364	0.402	0.407	0.444	0.405	8.3
Benzo (a) anthracene		1.424	1.287	1.403	1.278	1.391	1.336	5.4
Chrysene		1.222	1.204	1.193	1.145	1.255	1.200	3.2
Bis (2-ethylhexyl) phthalate		0.510	0.548	0.618	0.673	0.765	0.660	15.9
Di-n-octyl phthalate			0.958	1.108	1.266	1.432	1.290	17.3
Benzo (b) fluoranthene		1.317	1.105	1.293	1.126	1.209	1.184	7.6
Benzo (k) fluoranthene		1.191	1.166	1.032	1.042	1.178	1.109	6.7
Benzo (a) pyrene		1.154	1.081	1.114	1.081	1.185	1.116	4.0
Indeno (1,2,3-cd) pyrene		1.421	1.495	1.583	1.448	1.583	1.501	4.6

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Form VI SV-1

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COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo (a,h) anthracene		1.152	1.228	1.275	1.184	1.290	1.218	4.7
Benzo (g,h,i) perylene		1.154	1.220	1.270	1.180	1.299	1.218	4.6
1,2,4,5-Tetrachlorobenzene		0.592	0.580	0.588	0.552	0.592	0.574	3.4
1,4-Dioxane		0.493	0.460	0.474	0.458	0.500	0.475	3.8
2,3,4,6-Tetrachlorophenol		0.347	0.336	0.360	0.333	0.361	0.341	4.7