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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02
Lab Code: CHEM Case No.: Q2032 SAS No.: Q2032 SDG No.: Q2032
Instrument ID: BNA_F Calibration Date(s): 05/05/2025 05/05/2025
Calibration Time(s): 13:54 17:15

LAB FILE ID:		RRF2.5 = BF142295.D			RRF005 = BF142296.D		RRF010 = BF142297.D	
		RRF020 = BF142298.D			RRF040 = BF142299.D		RRF050 = BF142300.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.212	1.177	1.211	1.126	1.224	1.172	4.4
Benzaldehyde		1.049	0.959	0.903	0.734	0.752	0.843	17.7
Phenol-d6		1.510	1.458	1.489	1.375	1.500	1.441	4.6
Phenol		1.599	1.528	1.584	1.472	1.580	1.531	4.1
bis(2-Chloroethyl) ether		1.789	1.543	1.510	1.353	1.516	1.506	9.5
2-Chlorophenol		1.202	1.223	1.263	1.221	1.346	1.252	4.0
2-Methylphenol		1.033	1.008	1.022	0.972	1.070	1.014	3.3
2,2-oxybis(1-Chloropropane)		2.379	2.310	2.325	2.135	2.341	2.249	5.5
Acetophenone		0.505	0.474	0.464	0.416	0.446	0.445	9.0
3+4-Methylphenols		1.354	1.281	1.322	1.218	1.333	1.265	6.5
n-Nitroso-di-n-propylamine	0.840	0.943	0.915	0.918	0.860	0.933	0.891	4.7
Nitrobenzene-d5		0.289	0.304	0.336	0.327	0.360	0.328	7.5
Hexachloroethane		0.473	0.464	0.488	0.463	0.511	0.478	3.8
Nitrobenzene		0.281	0.293	0.316	0.306	0.337	0.309	6.0
Isophorone		0.639	0.623	0.630	0.586	0.648	0.621	3.5
2-Nitrophenol		0.089	0.097	0.121	0.132	0.154	0.129	21.5
2,4-Dimethylphenol		0.311	0.314	0.321	0.298	0.329	0.312	3.5
bis(2-Chloroethoxy) methane		0.430	0.414	0.418	0.374	0.408	0.399	6.1
2,4-Dichlorophenol		0.245	0.251	0.278	0.263	0.288	0.265	5.7
Naphthalene		1.102	1.031	1.028	0.906	0.978	0.969	9.5
4-Chloroaniline		0.373	0.373	0.398	0.383	0.435	0.395	5.8
Hexachlorobutadiene		0.188	0.182	0.181	0.168	0.185	0.177	5.3
Caprolactam		0.063	0.068	0.078	0.079	0.088	0.077	11.4
4-Chloro-3-methylphenol		0.281	0.270	0.283	0.265	0.290	0.276	3.7
2-Methylnaphthalene		0.672	0.636	0.635	0.569	0.615	0.602	8.6
Hexachlorocyclopentadiene		0.286	0.303	0.349	0.343	0.388	0.345	11.2
2,4,6-Trichlorophenol		0.306	0.320	0.360	0.351	0.393	0.352	8.5
2-Fluorobiphenyl		1.737	1.605	1.532	1.272	1.337	1.403	16.3
2,4,5-Trichlorophenol		0.339	0.353	0.390	0.363	0.413	0.375	7.0
1,1-Biphenyl		1.727	1.641	1.637	1.411	1.567	1.533	9.8
2-Chloronaphthalene		1.256	1.198	1.193	1.058	1.155	1.140	7.4
2-Nitroaniline		0.205	0.240	0.292	0.298	0.344	0.292	17.9
Dimethylphthalate		1.338	1.295	1.344	1.210	1.342	1.284	5.0
Acenaphthylene		2.083	2.025	2.009	1.783	1.958	1.908	7.9

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		0.172	0.206	0.242	0.245	0.280	0.240	16.2
3-Nitroaniline		0.206	0.238	0.288	0.286	0.329	0.282	15.8
Acenaphthene		1.260	1.191	1.200	1.066	1.180	1.147	7.3
2,4-Dinitrophenol			0.062	0.083	0.097	0.120	0.102	25.4
4-Nitrophenol		0.159	0.178	0.210	0.214	0.253	0.212	15.8
Dibenzofuran		1.932	1.790	1.801	1.555	1.711	1.693	9.7
2,4-Dinitrotoluene		0.222	0.250	0.303	0.318	0.368	0.308	17.6
Diethylphthalate		1.344	1.325	1.355	1.207	1.344	1.283	6.3
4-Chlorophenyl-phenylether		0.699	0.666	0.658	0.577	0.638	0.623	9.3
Fluorene		1.521	1.407	1.374	1.195	1.283	1.292	11.8
4-Nitroaniline		0.207	0.230	0.248	0.225	0.240	0.223	8.2
4,6-Dinitro-2-methylphenol			0.052	0.068	0.081	0.094	0.082	23.5
n-Nitrosodiphenylamine		0.704	0.683	0.693	0.629	0.686	0.666	5.3
2,4,6-Tribromophenol		0.161	0.176	0.198	0.191	0.218	0.193	10.2
4-Bromophenyl-phenylether		0.230	0.227	0.232	0.216	0.238	0.227	3.4
Hexachlorobenzene		0.264	0.246	0.253	0.237	0.258	0.249	3.8
Atrazine		0.157	0.165	0.176	0.174	0.196	0.175	7.2
Pentachlorophenol		0.094	0.109	0.130	0.139	0.153	0.131	16.7
Phenanthrene		1.193	1.102	1.105	0.988	1.058	1.048	9.1
Anthracene		1.210	1.136	1.134	1.018	1.093	1.077	8.8
Carbazole		1.065	1.016	1.024	0.926	0.986	0.966	8.2
Di-n-butylphthalate		0.957	1.022	1.082	1.013	1.093	1.016	5.9
Fluoranthene		1.198	1.154	1.128	0.985	1.051	1.048	11.5
Pyrene		1.822	1.748	1.902	1.705	1.912	1.780	7.0
Terphenyl-d14		1.493	1.424	1.460	1.255	1.390	1.351	9.6
Butylbenzylphthalate		0.282	0.330	0.439	0.469	0.545	0.449	23.7
3,3-Dichlorobenzidine		0.250	0.279	0.316	0.296	0.327	0.301	9.4
Benzo (a) anthracene		1.370	1.299	1.317	1.238	1.354	1.295	4.8
Chrysene		1.294	1.227	1.247	1.104	1.238	1.206	5.6
Bis (2-ethylhexyl) phthalate		0.328	0.417	0.557	0.601	0.699	0.573	26.4
Di-n-octyl phthalate			0.586	0.856	1.029	1.242	1.057	27.8
Benzo (b) fluoranthene		1.312	1.216	1.227	1.163	1.263	1.211	5.1
Benzo (k) fluoranthene		1.158	1.142	1.164	1.040	1.172	1.109	6.9
Benzo (a) pyrene		1.034	1.042	1.102	1.066	1.183	1.085	4.9
Indeno (1,2,3-cd) pyrene		1.152	1.281	1.421	1.384	1.596	1.391	10.4

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Dibenzo (a,h) anthracene		0.987	1.066	1.194	1.137	1.308	1.149	9.2
Benzo (g,h,i) perylene		0.971	1.056	1.175	1.120	1.295	1.141	9.4
1,2,4,5-Tetrachlorobenzene		0.600	0.586	0.586	0.515	0.574	0.559	6.5
1,4-Dioxane		0.553	0.527	0.535	0.503	0.543	0.528	3.4
2,3,4,6-Tetrachlorophenol		0.266	0.288	0.320	0.305	0.344	0.309	8.4

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