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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM Case No.: Q1744 SAS No.: Q1744 SDG No.: Q1744
Instrument ID: BNA_M Calibration Date(s): 04/08/2025 04/08/2025
Calibration Time(s): 13:35 20:07

LAB FILE ID:		RRF2.5 = BM049848.D			RRF005 = BM049849.D		RRF010 = BM049850.D	
		RRF020 = BM049851.D			RRF040 = BM049852.D		RRF050 = BM049853.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.145	1.144	1.213	1.191	1.165	1.178	2.4
Benzaldehyde		0.874	0.830	0.838	0.750	0.712	0.752	14.3
Phenol-d6		1.391	1.392	1.523	1.491	1.433	1.465	4.2
Phenol		1.376	1.370	1.482	1.441	1.394	1.430	3.6
bis(2-Chloroethyl) ether		1.113	1.084	1.147	1.135	1.096	1.121	2.4
2-Chlorophenol		1.180	1.191	1.250	1.218	1.174	1.207	2.4
2-Methylphenol		0.858	0.856	0.916	0.891	0.850	0.881	3.3
2,2-oxybis(1-Chloropropane)		1.268	1.235	1.312	1.267	1.192	1.250	3.2
Acetophenone		0.463	0.477	0.496	0.498	0.482	0.486	2.6
3+4-Methylphenols		1.140	1.142	1.246	1.224	1.170	1.201	4.3
n-Nitroso-di-n-propylamine	0.760	0.786	0.783	0.860	0.836	0.793	0.812	4.6
Nitrobenzene-d5		0.335	0.344	0.366	0.368	0.361	0.359	4.0
Hexachloroethane		0.505	0.494	0.520	0.504	0.486	0.500	2.3
Nitrobenzene		0.329	0.329	0.354	0.356	0.345	0.346	3.5
Isophorone		0.569	0.568	0.613	0.616	0.598	0.602	4.0
2-Nitrophenol		0.162	0.165	0.183	0.189	0.190	0.183	7.9
2,4-Dimethylphenol		0.185	0.194	0.208	0.213	0.212	0.208	6.5
bis(2-Chloroethoxy) methane		0.386	0.386	0.411	0.410	0.399	0.403	3.1
2,4-Dichlorophenol		0.319	0.320	0.348	0.353	0.349	0.345	5.5
Naphthalene		1.004	0.990	1.045	1.042	1.019	1.028	2.3
4-Chloroaniline		0.348	0.351	0.376	0.380	0.359	0.363	3.3
Hexachlorobutadiene		0.238	0.236	0.245	0.249	0.249	0.247	3.3
Caprolactam		0.093	0.089	0.100	0.102	0.099	0.099	6.3
4-Chloro-3-methylphenol		0.277	0.276	0.305	0.309	0.303	0.302	6.4
2-Methylnaphthalene		0.683	0.685	0.729	0.734	0.721	0.724	4.2
Hexachlorocyclopentadiene		0.214	0.223	0.247	0.264	0.260	0.245	7.9
2,4,6-Trichlorophenol		0.417	0.420	0.444	0.459	0.449	0.445	4.5
2-Fluorobiphenyl		1.425	1.414	1.499	1.515	1.486	1.475	2.7
2,4,5-Trichlorophenol		0.465	0.452	0.472	0.500	0.483	0.484	4.5
1,1-Biphenyl		1.451	1.429	1.514	1.528	1.480	1.487	2.5
2-Chloronaphthalene		1.140	1.144	1.188	1.194	1.163	1.169	1.9
2-Nitroaniline		0.232	0.242	0.272	0.283	0.281	0.270	8.8
Dimethylphthalate		1.366	1.331	1.430	1.438	1.411	1.411	3.3
Acenaphthylene		1.627	1.613	1.718	1.742	1.711	1.702	3.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

6C

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COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.249	0.265	0.303	0.310	0.305	0.296	9.4
3-Nitroaniline		0.236	0.253	0.290	0.310	0.295	0.286	10.6
Acenaphthene		1.027	1.023	1.089	1.113	1.089	1.083	3.8
2,4-Dinitrophenol			0.097	0.148	0.184	0.194	0.175	26.0
4-Nitrophenol		0.195	0.213	0.257	0.270	0.273	0.255	14.3
Dibenzofuran		1.737	1.709	1.821	1.845	1.815	1.810	3.5
2,4-Dinitrotoluene		0.309	0.333	0.395	0.421	0.420	0.394	13.4
Diethylphthalate		1.311	1.270	1.378	1.390	1.347	1.353	3.5
4-Chlorophenyl-phenylether		0.699	0.694	0.761	0.789	0.791	0.771	7.4
Fluorene		1.354	1.335	1.450	1.481	1.456	1.439	4.7
4-Nitroaniline		0.227	0.247	0.301	0.320	0.316	0.295	14.0
4,6-Dinitro-2-methylphenol			0.094	0.119	0.132	0.133	0.126	13.6
n-Nitrosodiphenylamine		0.561	0.578	0.606	0.619	0.602	0.599	3.5
2,4,6-Tribromophenol		0.258	0.255	0.280	0.294	0.298	0.291	9.9
4-Bromophenyl-phenylether		0.212	0.212	0.227	0.239	0.237	0.232	6.8
Hexachlorobenzene		0.249	0.250	0.262	0.273	0.268	0.266	5.1
Atrazine		0.186	0.177	0.142	0.130	0.142	0.155	15.9
Pentachlorophenol		0.181	0.186	0.191	0.204	0.197	0.196	5.5
Phenanthrene		1.031	1.030	1.095	1.133	1.104	1.096	4.4
Anthracene		0.997	1.004	1.074	1.125	1.099	1.081	5.4
Carbazole		0.922	0.952	1.024	1.059	1.038	1.018	5.7
Di-n-butylphthalate		1.119	1.120	1.189	1.216	1.176	1.172	3.2
Fluoranthene		1.187	1.206	1.310	1.387	1.395	1.348	8.8
Pyrene		1.310	1.280	1.395	1.408	1.393	1.378	4.3
Terphenyl-d14		0.988	1.004	1.139	1.187	1.142	1.067	7.9
Butylbenzylphthalate		0.502	0.500	0.537	0.536	0.511	0.518	2.9
3,3-Dichlorobenzidine		0.428	0.450	0.492	0.526	0.516	0.502	9.7
Benzo (a) anthracene		1.237	1.226	1.335	1.362	1.345	1.329	5.4
Chrysene		1.179	1.173	1.261	1.292	1.277	1.264	5.2
Bis (2-ethylhexyl) phthalate		0.758	0.747	0.790	0.783	0.740	0.755	3.2
Di-n-octyl phthalate		1.291	1.287	1.366	1.362	1.307	1.320	2.4
Benzo (b) fluoranthene		1.141	1.157	1.223	1.308	1.313	1.277	8.4
Benzo (k) fluoranthene		1.132	1.122	1.209	1.242	1.263	1.238	7.5
Benzo (a) pyrene		1.011	1.026	1.096	1.130	1.154	1.122	7.5
Indeno (1,2,3-cd) pyrene		1.375	1.368	1.480	1.507	1.523	1.491	6.2

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COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo(a,h)anthracene		1.128	1.128	1.205	1.244	1.258	1.228	6.4
Benzo(g,h,i)perylene		1.178	1.179	1.255	1.265	1.269	1.255	4.7
1,2,4,5-Tetrachlorobenzene		0.664	0.662	0.697	0.706	0.711	0.700	4.0
1,4-Dioxane		0.497	0.470	0.501	0.488	0.486	0.485	2.5
2,3,4,6-Tetrachlorophenol		0.418	0.397	0.416	0.427	0.420	0.424	4.2