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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM Case No.: Q1415 SAS No.: Q1415 SDG No.: Q1415
Instrument ID: BNA_F Calibration Date(s): 02/06/2025 02/06/2025
Calibration Time(s): 11:07 14:14

LAB FILE ID:		RRF2.5 = BF141472.D			RRF005 = BF141473.D		RRF010 = BF141474.D	
		RRF020 = BF141475.D			RRF040 = BF141476.D		RRF050 = BF141477.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.235	1.290	1.365	1.289	1.273	1.276	3.8
Benzaldehyde		0.892	0.993	0.981	0.821	0.747	0.857	13.9
Phenol-d6		1.619	1.629	1.704	1.613	1.599	1.612	3.1
Phenol		1.693	1.681	1.817	1.685	1.659	1.678	4.4
bis(2-Chloroethyl) ether		1.262	1.229	1.296	1.266	1.252	1.261	1.6
2-Chlorophenol		1.399	1.410	1.446	1.379	1.368	1.378	3.4
2-Methylphenol		1.116	1.089	1.121	1.077	1.059	1.079	3.1
2,2-oxybis(1-Chloropropane)		2.222	2.245	2.313	2.165	2.119	2.158	5.5
Acetophenone		0.517	0.502	0.521	0.493	0.483	0.498	3.4
3+4-Methylphenols		1.442	1.417	1.459	1.372	1.344	1.371	5.5
n-Nitroso-di-n-propylamine	0.950	0.978	0.985	1.039	0.969	0.947	0.964	4.0
Nitrobenzene-d5		0.380	0.379	0.396	0.385	0.378	0.383	1.6
Hexachloroethane		0.539	0.545	0.589	0.553	0.556	0.550	3.6
Nitrobenzene		0.370	0.371	0.383	0.374	0.369	0.374	1.3
Isophorone		0.611	0.594	0.633	0.611	0.601	0.611	2.0
2-Nitrophenol		0.171	0.175	0.190	0.193	0.190	0.186	4.9
2,4-Dimethylphenol		0.208	0.212	0.221	0.223	0.218	0.217	2.5
bis(2-Chloroethoxy) methane		0.384	0.390	0.408	0.394	0.387	0.392	2.0
2,4-Dichlorophenol		0.286	0.287	0.312	0.296	0.290	0.294	2.9
Naphthalene		1.067	1.041	1.096	1.037	1.012	1.041	3.0
4-Chloroaniline		0.354	0.352	0.382	0.364	0.360	0.363	2.8
Hexachlorobutadiene		0.193	0.191	0.200	0.192	0.188	0.192	2.0
Caprolactam		0.083	0.085	0.094	0.093	0.088	0.089	4.8
4-Chloro-3-methylphenol		0.310	0.324	0.342	0.329	0.324	0.325	2.9
2-Methylnaphthalene		0.688	0.689	0.719	0.669	0.659	0.677	3.4
Hexachlorocyclopentadiene			0.138	0.180	0.204	0.205	0.192	15.4
2,4,6-Trichlorophenol		0.364	0.365	0.389	0.377	0.373	0.374	2.3
2-Fluorobiphenyl		1.373	1.360	1.385	1.269	1.241	1.298	5.6
2,4,5-Trichlorophenol		0.385	0.407	0.430	0.410	0.394	0.405	3.5
1,1-Biphenyl		1.582	1.564	1.632	1.545	1.517	1.551	3.2
2-Chloronaphthalene		1.167	1.161	1.211	1.135	1.114	1.147	3.2
2-Nitroaniline		0.371	0.371	0.394	0.390	0.382	0.385	2.9
Dimethylphthalate		1.382	1.359	1.408	1.345	1.324	1.358	2.1
Acenaphthylene		1.739	1.736	1.791	1.696	1.660	1.705	3.2

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

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		RRF020 = BF141475.D			RRF040 = BF141476.D		RRF050 = BF141477.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.289	0.290	0.314	0.301	0.295	0.297	3.1
3-Nitroaniline		0.312	0.313	0.335	0.319	0.320	0.319	2.4
Acenaphthene		1.186	1.164	1.188	1.152	1.108	1.147	3.1
2,4-Dinitrophenol			0.133	0.167	0.177	0.185	0.176	13.8
4-Nitrophenol		0.190	0.216	0.247	0.249	0.249	0.237	10.4
Dibenzofuran		1.768	1.722	1.774	1.673	1.633	1.683	4.4
2,4-Dinitrotoluene		0.383	0.403	0.414	0.398	0.390	0.395	2.8
Diethylphthalate		1.400	1.346	1.398	1.330	1.300	1.336	3.7
4-Chlorophenyl-phenylether		0.661	0.643	0.659	0.622	0.602	0.626	4.7
Fluorene		1.359	1.361	1.377	1.290	1.239	1.301	4.9
4-Nitroaniline		0.315	0.319	0.333	0.335	0.319	0.324	2.3
4,6-Dinitro-2-methylphenol			0.116	0.140	0.142	0.142	0.139	8.5
n-Nitrosodiphenylamine		0.650	0.653	0.674	0.627	0.625	0.640	3.0
2,4,6-Tribromophenol		0.201	0.200	0.210	0.200	0.199	0.201	2.1
4-Bromophenyl-phenylether		0.228	0.220	0.234	0.221	0.220	0.224	2.5
Hexachlorobenzene		0.229	0.234	0.241	0.227	0.224	0.230	2.5
Atrazine		0.200	0.203	0.214	0.185	0.185	0.192	7.1
Pentachlorophenol		0.116	0.131	0.151	0.154	0.158	0.147	11.7
Phenanthrene		1.141	1.132	1.161	1.084	1.071	1.101	3.9
Anthracene		1.168	1.126	1.158	1.082	1.084	1.107	4.0
Carbazole		1.022	1.026	1.076	0.986	0.966	0.996	4.9
Di-n-butylphthalate		1.165	1.156	1.223	1.141	1.132	1.150	3.3
Fluoranthene		1.251	1.239	1.243	1.151	1.129	1.167	6.6
Pyrene		1.528	1.557	1.717	1.745	1.774	1.703	6.7
Terphenyl-d14		1.129	1.104	1.211	1.198	1.209	1.185	4.1
Butylbenzylphthalate		0.525	0.540	0.605	0.609	0.603	0.590	6.8
3,3-Dichlorobenzidine		0.397	0.411	0.407	0.377	0.363	0.381	6.3
Benzo (a) anthracene		1.381	1.332	1.350	1.345	1.309	1.329	2.5
Chrysene		1.187	1.223	1.314	1.201	1.215	1.228	3.3
Bis (2-ethylhexyl) phthalate		0.593	0.610	0.685	0.689	0.680	0.665	6.7
Di-n-octyl phthalate		0.802	0.814	0.910	0.965	1.010	0.949	11.8
Benzo (b) fluoranthene		1.286	1.407	1.398	1.336	1.350	1.343	3.9
Benzo (k) fluoranthene		1.113	1.216	1.247	1.142	1.074	1.147	5.5
Benzo (a) pyrene		1.085	1.074	1.115	1.080	1.069	1.087	1.4
Indeno (1,2,3-cd) pyrene		0.987	1.029	1.186	1.288	1.341	1.236	14.1

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COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo (a,h) anthracene		0.796	0.828	0.970	1.051	1.092	1.001	14.1
Benzo (g,h,i) perylene		0.805	0.864	1.001	1.100	1.144	1.048	15.6
1,2,4,5-Tetrachlorobenzene		0.582	0.588	0.600	0.584	0.560	0.579	2.5
1,4-Dioxane		0.511	0.519	0.523	0.517	0.502	0.513	1.7
2,3,4,6-Tetrachlorophenol		0.332	0.361	0.359	0.348	0.348	0.349	3.0