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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM Case No.: Q2198 SAS No.: Q2198 SDG No.: Q2198
Instrument ID: BNA_P Calibration Date(s): 06/06/2025 06/06/2025
Calibration Time(s): 10:30 15:18

LAB FILE ID:		RRF2.5 = BP024860.D			RRF005 = BP024861.D		RRF010 = BP024862.D	
		RRF020 = BP024863.D			RRF040 = BP024864.D		RRF050 = BP024865.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.127	1.139	1.207	1.163	1.283	1.198	4.9
Benzaldehyde			1.038	1.071	0.873	0.985	0.914	17.0
Phenol-d6		1.507	1.528	1.588	1.545	1.676	1.585	4.5
Phenol		1.560	1.564	1.616	1.587	1.725	1.634	4.8
bis(2-Chloroethyl) ether		1.222	1.277	1.334	1.234	1.363	1.285	4.3
2-Chlorophenol		1.336	1.290	1.346	1.314	1.453	1.358	4.3
2-Methylphenol		1.053	1.149	1.138	1.106	1.210	1.141	4.9
2,2-oxybis(1-Chloropropane)		1.748	1.732	1.722	1.583	1.751	1.682	4.5
Acetophenone		0.506	0.521	0.511	0.491	0.535	0.505	4.6
3+4-Methylphenols			1.507	1.548	1.493	1.631	1.557	4.3
n-Nitroso-di-n-propylamine	0.984	1.101	1.105	1.107	1.043	1.141	1.078	4.9
Nitrobenzene-d5		0.407	0.397	0.423	0.404	0.444	0.412	4.9
Hexachloroethane		0.591	0.565	0.581	0.545	0.611	0.576	3.7
Nitrobenzene		0.366	0.351	0.375	0.360	0.392	0.366	4.8
Isophorone		0.704	0.678	0.724	0.694	0.764	0.713	3.9
2-Nitrophenol		0.154	0.157	0.178	0.180	0.201	0.180	10.6
2,4-Dimethylphenol		0.294	0.286	0.310	0.303	0.331	0.309	5.1
bis(2-Chloroethoxy) methane		0.414	0.408	0.438	0.414	0.465	0.426	4.7
2,4-Dichlorophenol		0.246	0.272	0.300	0.292	0.327	0.296	9.8
Naphthalene		1.071	1.022	1.044	0.989	1.079	1.025	4.9
4-Chloroaniline		0.397	0.401	0.435	0.426	0.471	0.429	6.7
Hexachlorobutadiene		0.203	0.199	0.208	0.194	0.218	0.201	4.8
Caprolactam			0.098	0.109	0.110	0.118	0.109	6.9
4-Chloro-3-methylphenol		0.312	0.322	0.351	0.341	0.374	0.342	6.6
2-Methylnaphthalene		0.659	0.638	0.659	0.633	0.696	0.650	4.5
Hexachlorocyclopentadiene			0.259	0.315	0.337	0.404	0.346	15.7
2,4,6-Trichlorophenol		0.342	0.352	0.386	0.375	0.411	0.381	6.9
2-Fluorobiphenyl		1.542	1.507	1.517	1.390	1.563	1.485	4.4
2,4,5-Trichlorophenol		0.349	0.379	0.414	0.405	0.448	0.408	8.4
1,1-Biphenyl		1.477	1.456	1.485	1.386	1.509	1.453	3.1
2-Chloronaphthalene		1.123	1.104	1.135	1.069	1.171	1.117	3.2
2-Nitroaniline		0.289	0.324	0.344	0.346	0.371	0.343	8.6
Dimethylphthalate		1.515	1.450	1.501	1.400	1.550	1.475	3.4
Acenaphthylene		1.880	1.851	1.892	1.768	1.939	1.863	3.2

All other compounds must meet a minimum RRF of 0.010.

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		RRF020 = BP024863.D			RRF040 = BP024864.D		RRF050 = BP024865.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.299	0.301	0.326	0.312	0.339	0.318	4.9
3-Nitroaniline		0.263	0.292	0.337	0.338	0.367	0.330	11.7
Acenaphthene		1.106	1.064	1.090	1.020	1.087	1.067	2.9
2,4-Dinitrophenol			0.117	0.155	0.179	0.203	0.178	20.2
4-Nitrophenol			0.142	0.213	0.248	0.276	0.239	22.6
Dibenzofuran		1.815	1.721	1.756	1.627	1.757	1.713	4.2
2,4-Dinitrotoluene		0.390	0.416	0.457	0.437	0.487	0.445	7.4
Diethylphthalate		1.501	1.474	1.487	1.393	1.545	1.470	3.3
4-Chlorophenyl-phenylether		0.711	0.668	0.689	0.637	0.709	0.677	4.1
Fluorene		1.437	1.394	1.420	1.304	1.434	1.384	3.8
4-Nitroaniline		0.239	0.235	0.307	0.311	0.336	0.299	14.7
4,6-Dinitro-2-methylphenol			0.102	0.125	0.130	0.147	0.131	12.8
n-Nitrosodiphenylamine		0.627	0.608	0.633	0.597	0.659	0.620	3.7
2,4,6-Tribromophenol		0.256	0.264	0.279	0.267	0.298	0.277	5.3
4-Bromophenyl-phenylether		0.224	0.215	0.226	0.213	0.246	0.226	4.8
Hexachlorobenzene		0.278	0.268	0.272	0.260	0.290	0.274	3.3
Atrazine		0.213	0.212	0.231	0.217	0.244	0.225	5.2
Pentachlorophenol			0.105	0.131	0.139	0.162	0.142	15.2
Phenanthrene		1.158	1.108	1.110	1.056	1.161	1.105	4.1
Anthracene		1.129	1.093	1.137	1.072	1.188	1.119	3.6
Carbazole		1.023	1.013	1.057	0.998	1.112	1.038	3.8
Di-n-butylphthalate		1.178	1.245	1.326	1.272	1.421	1.285	5.8
Fluoranthene		1.300	1.287	1.307	1.223	1.344	1.281	3.3
Pyrene		1.307	1.195	1.261	1.184	1.322	1.249	4.4
Terphenyl-d14		1.178	1.073	1.146	1.089	1.164	1.116	4.6
Butylbenzylphthalate		0.508	0.529	0.581	0.562	0.641	0.572	7.7
3,3-Dichlorobenzidine			0.468	0.513	0.493	0.542	0.508	5.3
Benzo (a) anthracene		1.312	1.234	1.288	1.219	1.347	1.279	3.7
Chrysene		1.252	1.174	1.229	1.144	1.279	1.212	4.1
Bis (2-ethylhexyl) phthalate		0.715	0.780	0.846	0.797	0.921	0.820	7.9
Di-n-octyl phthalate			1.320	1.438	1.384	1.587	1.445	6.2
Benzo (b) fluoranthene		1.103	1.104	1.133	1.127	1.232	1.145	4.1
Benzo (k) fluoranthene		1.165	1.144	1.181	1.106	1.259	1.165	4.1
Benzo (a) pyrene		1.096	1.069	1.127	1.070	1.214	1.118	4.5
Indeno (1,2,3-cd) pyrene		1.427	1.402	1.469	1.412	1.559	1.459	3.9

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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		1.151	1.143	1.202	1.143	1.279	1.188	4.3
Benzo (g,h,i) perylene		1.172	1.127	1.183	1.136	1.261	1.179	3.9
1,2,4,5-Tetrachlorobenzene		0.568	0.561	0.568	0.538	0.601	0.568	3.3
1,4-Dioxane		0.564	0.529	0.524	0.495	0.546	0.527	4.2
2,3,4,6-Tetrachlorophenol		0.343	0.350	0.360	0.354	0.395	0.365	5.0