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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG No.: P4718
Instrument ID: BNA_F Calibration Date(s): 11/05/2024 11/05/2024
Calibration Time(s): 12:26 15:30

LAB FILE ID:		RRF2.5 = BF140231.D			RRF005 = BF140232.D		RRF010 = BF140233.D	
		RRF020 = BF140234.D			RRF040 = BF140235.D		RRF050 = BF140236.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.359	1.298	1.261	1.159	1.138	1.207	8.3
Benzaldehyde		1.159	1.137	1.085	0.949	0.839	0.956	18.5
Phenol-d6		1.765	1.679	1.604	1.495	1.462	1.552	8.7
Phenol		1.863	1.779	1.752	1.593	1.575	1.649	9.2
bis(2-Chloroethyl) ether		1.417	1.354	1.285	1.209	1.201	1.252	8.6
2-Chlorophenol		1.441	1.385	1.311	1.214	1.187	1.263	9.4
2-Methylphenol		1.155	1.105	1.086	1.028	1.005	1.053	6.1
2,2-oxybis(1-Chloropropane)		2.305	2.213	2.143	1.958	1.910	2.027	9.7
Acetophenone		0.564	0.535	0.512	0.474	0.461	0.496	8.4
3+4-Methylphenols		1.503	1.446	1.403	1.277	1.240	1.323	9.7
n-Nitroso-di-n-propylamine	1.035	1.117	1.062	1.015	0.949	0.923	0.990	8.0
Nitrobenzene-d5		0.435	0.420	0.415	0.392	0.387	0.402	5.2
Hexachloroethane		0.612	0.603	0.576	0.533	0.524	0.556	7.4
Nitrobenzene		0.452	0.442	0.436	0.414	0.407	0.422	5.0
Isophorone		0.754	0.722	0.699	0.675	0.659	0.693	5.1
2-Nitrophenol		0.160	0.167	0.170	0.171	0.167	0.168	2.5
2,4-Dimethylphenol		0.240	0.237	0.234	0.224	0.221	0.228	3.9
bis(2-Chloroethoxy) methane		0.459	0.441	0.428	0.400	0.390	0.415	6.9
2,4-Dichlorophenol		0.297	0.299	0.291	0.278	0.270	0.283	4.7
Naphthalene		1.206	1.119	1.071	0.992	0.956	1.033	9.9
4-Chloroaniline		0.372	0.367	0.354	0.330	0.322	0.340	7.1
Hexachlorobutadiene		0.251	0.241	0.238	0.222	0.218	0.229	6.2
Caprolactam		0.090	0.087	0.088	0.085	0.084	0.086	2.9
4-Chloro-3-methylphenol		0.337	0.326	0.319	0.312	0.303	0.315	4.3
2-Methylnaphthalene		0.772	0.743	0.702	0.644	0.626	0.674	9.6
Hexachlorocyclopentadiene		0.124	0.145	0.169	0.183	0.177	0.164	13.3
2,4,6-Trichlorophenol		0.377	0.369	0.363	0.361	0.354	0.363	2.2
2-Fluorobiphenyl		1.481	1.381	1.312	1.183	1.148	1.253	11.3
2,4,5-Trichlorophenol		0.391	0.398	0.396	0.373	0.374	0.381	4.0
1,1-Biphenyl		1.663	1.590	1.521	1.376	1.342	1.446	10.0
2-Chloronaphthalene		1.195	1.171	1.135	1.050	1.036	1.088	7.2
2-Nitroaniline		0.357	0.372	0.371	0.369	0.363	0.364	2.0
Dimethylphthalate		1.363	1.310	1.262	1.191	1.182	1.232	6.7
Acenaphthylene		1.730	1.668	1.618	1.486	1.465	1.540	8.6

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

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COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.302	0.297	0.299	0.286	0.286	0.290	3.6
3-Nitroaniline		0.294	0.286	0.282	0.269	0.267	0.273	5.8
Acenaphthene		1.204	1.153	1.134	1.059	1.055	1.093	6.6
2,4-Dinitrophenol			0.071	0.101	0.128	0.135	0.120	23.2
4-Nitrophenol		0.160	0.178	0.196	0.203	0.206	0.192	8.8
Dibenzofuran		1.773	1.683	1.603	1.467	1.424	1.528	10.6
2,4-Dinitrotoluene		0.384	0.385	0.388	0.374	0.373	0.376	3.2
Diethylphthalate		1.360	1.319	1.271	1.185	1.170	1.224	7.7
4-Chlorophenyl-phenylether		0.715	0.673	0.638	0.581	0.573	0.613	10.3
Fluorene		1.446	1.345	1.267	1.154	1.127	1.216	11.6
4-Nitroaniline		0.278	0.276	0.282	0.270	0.267	0.271	3.5
4,6-Dinitro-2-methylphenol			0.080	0.100	0.110	0.112	0.105	12.6
n-Nitrosodiphenylamine		0.646	0.608	0.600	0.551	0.543	0.575	7.5
2,4,6-Tribromophenol		0.199	0.200	0.197	0.194	0.197	0.198	1.4
4-Bromophenyl-phenylether		0.230	0.219	0.223	0.209	0.208	0.215	4.1
Hexachlorobenzene		0.261	0.255	0.251	0.237	0.235	0.245	4.3
Atrazine		0.204	0.189	0.155	0.156	0.127	0.157	18.5
Pentachlorophenol		0.105	0.121	0.133	0.138	0.139	0.132	10.6
Phenanthrene		1.082	1.044	1.004	0.915	0.885	0.954	9.3
Anthracene		1.071	1.014	0.984	0.894	0.881	0.936	9.3
Carbazole		0.973	0.919	0.901	0.822	0.805	0.855	8.9
Di-n-butylphthalate		1.119	1.096	1.062	0.975	0.961	1.012	7.9
Fluoranthene		1.157	1.101	1.044	0.950	0.928	0.998	10.5
Pyrene		1.851	1.733	1.728	1.590	1.572	1.651	7.5
Terphenyl-d14		1.383	1.309	1.258	1.159	1.164	1.221	8.2
Butylbenzylphthalate		0.580	0.596	0.613	0.597	0.601	0.595	2.9
3,3-Dichlorobenzidine		0.387	0.409	0.410	0.417	0.406	0.403	2.6
Benzo (a) anthracene		1.386	1.344	1.345	1.232	1.232	1.284	5.7
Chrysene		1.320	1.264	1.206	1.154	1.177	1.202	5.8
Bis (2-ethylhexyl) phthalate		0.868	0.858	0.858	0.819	0.825	0.833	3.8
Di-n-octyl phthalate		1.201	1.234	1.283	1.267	1.265	1.254	2.5
Benzo (b) fluoranthene		1.300	1.184	1.214	1.245	1.125	1.210	6.0
Benzo (k) fluoranthene		1.214	1.230	1.206	1.027	1.085	1.110	9.5
Benzo (a) pyrene		1.023	0.999	1.022	0.993	0.975	0.997	2.2
Indeno (1,2,3-cd) pyrene		1.107	1.110	1.213	1.195	1.172	1.174	4.1

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COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo (a,h) anthracene		0.917	0.923	0.998	0.979	0.968	0.966	3.4
Benzo (g,h,i) perylene		0.949	0.941	1.017	0.994	0.977	0.985	3.1
1,2,4,5-Tetrachlorobenzene		0.657	0.619	0.600	0.562	0.559	0.586	7.2
1,4-Dioxane		0.613	0.582	0.576	0.550	0.526	0.555	6.6
2,3,4,6-Tetrachlorophenol		0.323	0.324	0.321	0.305	0.309	0.313	3.3