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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: SCAL01
Lab Code: CHEM Case No.: Q2161 SAS No.: Q2161 SDG No.: Q2161
Instrument ID: BNA_F Calibration Date(s): 06/10/2025 06/10/2025
Calibration Time(s): 16:54 20:19

LAB FILE ID:		RRF2.5 = BF142712.D			RRF005 = BF142713.D		RRF010 = BF142714.D	
		RRF020 = BF142715.D			RRF040 = BF142716.D		RRF050 = BF142717.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.238	1.170	1.199	1.161	1.220	1.174	4.5
Benzaldehyde			0.943	0.950	0.839	0.839	0.856	11.5
Phenol-d6		1.434	1.339	1.400	1.376	1.446	1.382	3.7
Phenol		1.550	1.503	1.577	1.522	1.607	1.536	3.4
bis(2-Chloroethyl) ether		1.222	1.118	1.149	1.130	1.202	1.147	4.3
2-Chlorophenol		1.288	1.254	1.300	1.290	1.347	1.283	3.1
2-Methylphenol		0.978	0.950	0.995	0.992	1.043	0.984	3.6
2,2-oxybis(1-Chloropropane)		1.957	1.812	1.840	1.806	1.875	1.806	6.0
Acetophenone		0.475	0.451	0.458	0.435	0.454	0.445	4.8
3+4-Methylphenols			1.261	1.285	1.246	1.299	1.240	4.8
n-Nitroso-di-n-propylamine	0.885	0.912	0.870	0.886	0.878	0.921	0.880	3.4
Nitrobenzene-d5		0.381	0.363	0.369	0.358	0.378	0.365	3.2
Hexachloroethane		0.562	0.521	0.545	0.524	0.552	0.530	4.7
Nitrobenzene		0.338	0.313	0.326	0.320	0.335	0.324	3.1
Isophorone		0.657	0.621	0.628	0.603	0.630	0.619	3.8
2-Nitrophenol		0.172	0.174	0.183	0.181	0.192	0.181	3.9
2,4-Dimethylphenol		0.318	0.303	0.311	0.304	0.321	0.308	3.1
bis(2-Chloroethoxy) methane		0.408	0.381	0.392	0.377	0.397	0.384	4.3
2,4-Dichlorophenol		0.284	0.281	0.292	0.280	0.300	0.284	3.5
Naphthalene		1.065	0.997	1.021	0.972	1.008	0.989	5.2
4-Chloroaniline		0.429	0.389	0.399	0.399	0.408	0.397	4.7
Hexachlorobutadiene		0.210	0.204	0.206	0.197	0.205	0.200	4.4
Caprolactam			0.077	0.079	0.075	0.079	0.077	2.8
4-Chloro-3-methylphenol		0.317	0.299	0.303	0.289	0.301	0.296	4.8
2-Methylnaphthalene		0.674	0.649	0.641	0.618	0.636	0.626	5.7
Hexachlorocyclopentadiene			0.297	0.348	0.375	0.414	0.372	11.6
2,4,6-Trichlorophenol		0.349	0.373	0.383	0.373	0.405	0.375	4.8
2-Fluorobiphenyl		1.690	1.610	1.569	1.444	1.535	1.505	9.0
2,4,5-Trichlorophenol		0.404	0.404	0.413	0.400	0.431	0.405	3.6
1,1-Biphenyl		1.630	1.617	1.587	1.506	1.622	1.553	5.4
2-Chloronaphthalene		1.190	1.172	1.178	1.117	1.197	1.144	4.8
2-Nitroaniline		0.320	0.321	0.333	0.323	0.345	0.325	3.4
Dimethylphthalate		1.444	1.368	1.359	1.291	1.379	1.336	5.4
Acenaphthylene		2.053	1.986	2.003	1.881	1.991	1.929	5.6

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

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		RRF020 = BF142715.D			RRF040 = BF142716.D		RRF050 = BF142717.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.307	0.283	0.295	0.285	0.299	0.289	4.5
3-Nitroaniline		0.334	0.313	0.316	0.307	0.322	0.313	4.1
Acenaphthene		1.266	1.222	1.224	1.170	1.237	1.196	4.8
2,4-Dinitrophenol			0.123	0.154	0.157	0.176	0.158	12.2
4-Nitrophenol			0.203	0.219	0.210	0.222	0.212	3.4
Dibenzofuran		1.855	1.777	1.783	1.643	1.741	1.703	6.9
2,4-Dinitrotoluene		0.396	0.383	0.399	0.377	0.396	0.382	4.7
Diethylphthalate		1.508	1.392	1.372	1.256	1.332	1.324	8.6
4-Chlorophenyl-phenylether		0.748	0.692	0.680	0.633	0.663	0.657	8.8
Fluorene		1.547	1.429	1.397	1.279	1.357	1.345	9.5
4-Nitroaniline		0.297	0.281	0.294	0.270	0.283	0.280	4.6
4,6-Dinitro-2-methylphenol			0.104	0.123	0.125	0.137	0.125	9.2
n-Nitrosodiphenylamine		0.710	0.679	0.693	0.672	0.722	0.687	3.4
2,4,6-Tribromophenol		0.236	0.223	0.224	0.213	0.226	0.219	5.3
4-Bromophenyl-phenylether		0.240	0.229	0.238	0.231	0.252	0.236	3.5
Hexachlorobenzene		0.270	0.261	0.263	0.255	0.275	0.262	3.2
Atrazine		0.185	0.174	0.188	0.179	0.191	0.183	3.3
Pentachlorophenol			0.118	0.133	0.139	0.148	0.137	7.8
Phenanthrene		1.165	1.100	1.094	1.036	1.091	1.071	5.6
Anthracene		1.203	1.145	1.140	1.064	1.132	1.108	6.0
Carbazole		1.003	0.960	0.968	0.898	0.931	0.928	6.1
Di-n-butylphthalate		1.105	1.048	1.072	1.005	1.053	1.036	4.8
Fluoranthene		1.184	1.083	1.081	0.965	0.988	1.019	10.1
Pyrene		2.014	1.918	1.928	1.883	1.878	1.859	6.7
Terphenyl-d14		1.609	1.562	1.556	1.462	1.430	1.456	9.1
Butylbenzylphthalate		0.435	0.486	0.526	0.581	0.626	0.550	12.7
3,3-Dichlorobenzidine			0.370	0.403	0.442	0.473	0.427	8.9
Benzo (a) anthracene		1.367	1.273	1.284	1.350	1.400	1.325	3.9
Chrysene		1.298	1.208	1.245	1.172	1.250	1.224	3.7
Bis (2-ethylhexyl) phthalate		0.616	0.709	0.756	0.895	0.977	0.825	16.0
Di-n-octyl phthalate			1.284	1.385	1.677	1.816	1.582	12.8
Benzo (b) fluoranthene		1.256	1.094	1.112	1.162	1.230	1.178	5.7
Benzo (k) fluoranthene		1.236	1.178	1.245	1.076	1.189	1.143	7.9
Benzo (a) pyrene		1.164	1.085	1.122	1.104	1.184	1.120	3.7
Indeno (1,2,3-cd) pyrene		1.438	1.406	1.458	1.498	1.602	1.482	4.3

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Dibenzo (a,h) anthracene		1.134	1.176	1.214	1.236	1.318	1.210	4.9
Benzo (g,h,i) perylene		1.201	1.164	1.178	1.216	1.295	1.203	3.8
1,2,4,5-Tetrachlorobenzene		0.585	0.592	0.589	0.568	0.618	0.579	4.6
1,4-Dioxane		0.499	0.448	0.472	0.455	0.481	0.465	4.4
2,3,4,6-Tetrachlorophenol		0.364	0.339	0.357	0.327	0.354	0.340	5.6