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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CLOU03  
 Lab Code: CHEM Case No.: P4779 SAS No.: P4779 SDG No.: P4779  
 Instrument ID: BNA\_E Calibration Date(s): 11/06/2024 11/06/2024  
 Calibration Time(s): 13:51 18:02

LAB FILE ID:	RRF2.5 = BE101493.D	RRF005 = BE101494.D	RRF010 = BE101495.D	RRF020 = BE101496.D	RRF040 = BE101497.D	RRF050 = BE101498.D	RRF	% RSD
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.161	1.135	1.120	1.101	1.114	1.131	2.0
Benzaldehyde		0.902	0.930	0.875	0.767	0.654	0.759	19.8
Phenol-d6		1.494	1.525	1.558	1.540	1.571	1.551	2.5
Phenol		1.646	1.682	1.702	1.664	1.709	1.688	2.5
bis(2-Chloroethyl) ether		1.362	1.474	1.392	1.165	1.446	1.397	8.0
2-Chlorophenol		1.339	1.343	1.359	1.316	1.336	1.340	1.3
2-Methylphenol		1.015	1.041	1.073	1.113	1.123	1.093	4.8
2,2-oxybis(1-Chloropropane)		1.733	1.690	1.700	1.628	1.625	1.654	3.4
Acetophenone		0.462	0.460	0.461	0.443	0.447	0.453	1.9
3+4-Methylphenols		1.376	1.483	1.529	1.524	1.558	1.515	4.7
n-Nitroso-di-n-propylamine	0.958	0.996	1.040	1.058	1.027	1.046	1.023	3.5
Nitrobenzene-d5		0.313	0.316	0.318	0.312	0.318	0.317	1.5
Hexachloroethane		0.524	0.509	0.507	0.484	0.494	0.500	3.0
Nitrobenzene		0.325	0.329	0.330	0.324	0.329	0.329	1.4
Isophorone		0.599	0.619	0.632	0.611	0.618	0.616	2.0
2-Nitrophenol		0.159	0.167	0.175	0.174	0.182	0.175	5.4
2,4-Dimethylphenol		0.196	0.199	0.204	0.198	0.205	0.203	2.8
bis(2-Chloroethoxy)methane		0.376	0.383	0.386	0.371	0.375	0.377	1.7
2,4-Dichlorophenol		0.275	0.279	0.289	0.283	0.294	0.288	3.4
Naphthalene		1.071	1.033	1.027	0.983	0.983	1.010	3.6
4-Chloroaniline		0.342	0.364	0.371	0.358	0.356	0.355	3.7
Hexachlorobutadiene		0.209	0.198	0.202	0.192	0.195	0.198	3.0
Caprolactam		0.097	0.107	0.107	0.107	0.106	0.106	4.1
4-Chloro-3-methylphenol		0.293	0.318	0.316	0.312	0.318	0.314	3.3
2-Methylnaphthalene		0.744	0.733	0.733	0.706	0.705	0.717	2.9
Hexachlorocyclopentadiene		0.106	0.128	0.153	0.167	0.175	0.154	17.7
2,4,6-Trichlorophenol		0.358	0.352	0.360	0.358	0.361	0.362	2.2
2-Fluorobiphenyl		1.353	1.295	1.299	1.204	1.160	1.225	7.5
2,4,5-Trichlorophenol		0.390	0.381	0.402	0.400	0.411	0.403	3.7
1,1-Biphenyl		1.451	1.416	1.424	1.336	1.344	1.380	3.7
2-Chloronaphthalene		1.124	1.104	1.115	1.060	1.065	1.088	2.5
2-Nitroaniline		0.248	0.273	0.292	0.288	0.300	0.288	7.4
Dimethylphthalate		1.500	1.479	1.478	1.389	1.368	1.424	4.2
Acenaphthylene		1.664	1.660	1.661	1.584	1.586	1.622	2.6

All other compounds must meet a minimum RRF of 0.010.

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COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.316	0.330	0.336	0.324	0.327	0.329	2.2
3-Nitroaniline		0.282	0.320	0.335	0.328	0.323	0.319	5.7
Acenaphthene		1.116	1.075	1.080	1.007	0.996	1.035	5.4
2,4-Dinitrophenol			0.139	0.178	0.194	0.208	0.193	15.8
4-Nitrophenol		0.197	0.235	0.278	0.275	0.274	0.264	13.3
Dibenzofuran		1.799	1.736	1.724	1.615	1.591	1.666	5.2
2,4-Dinitrotoluene		0.426	0.456	0.480	0.460	0.463	0.462	4.0
Diethylphthalate		1.600	1.579	1.577	1.457	1.442	1.502	5.4
4-Chlorophenyl-phenylether		0.757	0.736	0.733	0.689	0.680	0.706	5.1
Fluorene		1.490	1.475	1.458	1.363	1.328	1.391	6.0
4-Nitroaniline		0.285	0.334	0.359	0.349	0.355	0.344	8.1
4,6-Dinitro-2-methylphenol		0.084	0.104	0.117	0.123	0.131	0.119	16.0
n-Nitrosodiphenylamine		0.550	0.534	0.545	0.519	0.526	0.531	2.7
2,4,6-Tribromophenol		0.388	0.391	0.391	0.369	0.364	0.376	3.6
4-Bromophenyl-phenylether		0.226	0.218	0.221	0.214	0.221	0.221	1.9
Hexachlorobenzene		0.301	0.290	0.295	0.282	0.287	0.290	2.3
Atrazine		0.202	0.187	0.151	0.171	0.121	0.157	19.7
Pentachlorophenol		0.129	0.139	0.155	0.162	0.167	0.158	11.4
Phenanthrene		1.067	1.000	1.016	0.942	0.936	0.973	5.9
Anthracene		1.030	0.985	0.998	0.943	0.932	0.961	4.9
Carbazole		1.030	1.003	1.001	0.940	0.924	0.963	5.0
Di-n-butylphthalate		1.312	1.269	1.261	1.170	1.128	1.190	7.7
Fluoranthene		1.442	1.353	1.316	1.208	1.157	1.247	10.0
Pyrene		1.201	1.158	1.199	1.130	1.125	1.138	4.9
Terphenyl-d14		1.065	1.023	1.028	0.902	0.819	0.904	15.4
Butylbenzylphthalate		0.541	0.522	0.531	0.507	0.500	0.511	4.3
3,3-Dichlorobenzidine		0.466	0.474	0.480	0.469	0.478	0.468	2.9
Benzo(a)anthracene		1.334	1.258	1.258	1.170	1.138	1.188	8.5
Chrysene		1.261	1.215	1.207	1.116	1.074	1.129	9.1
Bis(2-ethylhexyl)phthalate		0.857	0.816	0.822	0.760	0.738	0.773	7.8
Di-n-octyl phthalate		1.510	1.430	1.383	1.284	1.226	1.308	10.6
Benzo(b)fluoranthene		1.220	1.158	1.107	1.056	1.053	1.097	6.5
Benzo(k)fluoranthene		1.119	1.045	1.080	0.977	0.966	0.996	9.2
Benzo(a)pyrene		1.023	0.974	0.977	0.926	0.923	0.947	5.0
Indeno(1,2,3-cd)pyrene		1.480	1.394	1.411	1.347	1.342	1.374	4.4

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COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo (a,h) anthracene		1.250	1.169	1.189	1.128	1.111	1.145	5.7
Benzo (g,h,i) perylene		1.239	1.164	1.182	1.133	1.148	1.163	3.5
1,2,4,5-Tetrachlorobenzene		0.546	0.518	0.535	0.513	0.519	0.527	2.2
1,4-Dioxane		0.495	0.458	0.438	0.406	0.378	0.421	10.5
2,3,4,6-Tetrachlorophenol		0.379	0.366	0.377	0.369	0.370	0.373	1.5

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