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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JACO05
Lab Code: CHEM Case No.: P3429 SAS No.: P3429 SDG No.: P3429
Instrument ID: BNA_F Calibration Date(s): 07/30/2024 07/30/2024
Calibration Time(s): 12:54 16:29

LAB FILE ID:		RRF2.5 = BF138680.D			RRF005 = BF138681.D		RRF010 = BF138682.D	
		RRF020 = BF138683.D			RRF040 = BF138684.D		RRF050 = BF138685.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Pyridine		1.373	1.365	1.453	1.381	1.380	1.374	3.1
2-Fluorophenol		1.404	1.367	1.341	1.274	1.244	1.296	6.0
Benzaldehyde		1.230	1.119	1.099	0.904	0.862	1.043	14.8
Phenol-d6		1.938	1.816	1.828	1.681	1.654	1.740	7.2
2-Methylphenol		1.192	1.154	1.183	1.103	1.072	1.126	4.9
Acetophenone		0.538	0.510	0.508	0.482	0.457	0.490	6.1
3+4-Methylphenols		1.661	1.554	1.558	1.367	1.328	1.444	10.0
Nitrobenzene-d5		0.426	0.416	0.424	0.407	0.393	0.409	3.3
Nitrobenzene		0.431	0.423	0.433	0.417	0.400	0.416	3.3
2,4-Dichlorophenol		0.279	0.276	0.293	0.276	0.264	0.275	3.6
Naphthalene		1.124	1.102	1.110	1.044	1.000	1.053	5.6
Hexachlorobutadiene		0.205	0.197	0.200	0.190	0.187	0.192	4.4
2-Methylnaphthalene		0.723	0.699	0.709	0.649	0.619	0.665	6.7
2,4,6-Trichlorophenol		0.338	0.338	0.353	0.336	0.330	0.339	2.1
2-Fluorobiphenyl		1.512	1.424	1.402	1.306	1.260	1.331	9.0
2,4,5-Trichlorophenol		0.368	0.379	0.387	0.368	0.361	0.370	2.6
Acenaphthylene		1.796	1.744	1.743	1.637	1.573	1.652	6.8
Acenaphthene		1.217	1.173	1.169	1.082	1.049	1.111	6.8
Dibenzofuran		1.729	1.680	1.666	1.515	1.484	1.568	7.8
Fluorene		1.374	1.326	1.351	1.206	1.166	1.249	8.0
2,4,6-Tribromophenol		0.168	0.164	0.176	0.159	0.156	0.164	4.2
Hexachlorobenzene		0.231	0.231	0.234	0.220	0.214	0.224	3.7
Pentachlorophenol			0.077	0.097	0.102	0.104	0.101	12.9
Phenanthrene		1.112	1.109	1.087	1.021	0.970	1.030	7.0
Carbazole		0.970	0.938	0.940	0.870	0.810	0.875	8.6
Di-n-butylphthalate		0.991	0.990	1.040	0.991	0.944	0.984	3.4
Fluoranthene		1.068	1.045	1.039	0.965	0.899	0.961	9.7
Pyrene		1.978	1.958	2.140	1.750	1.694	1.883	8.6
Terphenyl-d14		1.264	1.265	1.362	1.106	1.072	1.195	9.3
Benzo (a) anthracene		1.401	1.438	1.410	1.395	1.351	1.377	3.5
Chrysene		1.342	1.228	1.260	1.222	1.203	1.243	3.8
Bis (2-ethylhexyl) phthalate		0.876	0.838	0.861	0.948	0.945	0.883	5.1
Benzo (b) fluoranthene		1.287	1.361	1.287	1.229	1.181	1.240	6.2
Benzo (k) fluoranthene		1.202	1.043	1.098	1.002	1.060	1.073	6.8

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
Benzo(a)pyrene		1.084	1.047	1.071	1.023	1.026	1.043	2.5
Indeno(1,2,3-cd)pyrene		1.469	1.464	1.517	1.395	1.406	1.433	3.5
Dibenzo(a,h)anthracene		1.226	1.231	1.253	1.134	1.140	1.177	4.9
Benzo(g,h,i)perylene		1.261	1.234	1.289	1.199	1.196	1.221	3.5
1,4-Dioxane		0.597	0.555	0.581	0.576	0.557	0.567	3.2
1-Methylnaphthalene		0.713	0.685	0.692	0.636	0.606	0.652	6.9