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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JACO05
Lab Code: CHEM Case No.: P3671 SAS No.: P3671 SDG No.: P3671
Instrument ID: BNA_F Calibration Date(s): 08/20/2024 08/20/2024
Calibration Time(s): 17:10 20:41

LAB FILE ID:		RRF2.5 = BF139078.D			RRF005 = BF139079.D		RRF010 = BF139080.D	
		RRF020 = BF139081.D			RRF040 = BF139082.D		RRF050 = BF139083.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Pyridine		1.553	1.469	1.544	1.361	1.323	1.417	7.5
2-Fluorophenol		1.671	1.315	1.335	1.225	1.182	1.300	13.5
Benzaldehyde			1.182	1.163	0.921	0.843	0.985	17.8
Phenol-d6		2.058	1.698	1.737	1.612	1.545	1.680	11.0
2-Methylphenol		1.249	1.086	1.114	1.029	0.999	1.070	8.5
3+4-Methylphenols		1.706	1.418	1.446	1.349	1.258	1.386	11.7
Nitrobenzene-d5		0.274	0.288	0.336	0.360	0.365	0.343	13.6
Hexachloroethane		0.677	0.502	0.532	0.507	0.485	0.527	12.9
Nitrobenzene		0.328	0.335	0.382	0.395	0.395	0.382	9.7
Naphthalene		1.090	1.062	1.071	0.997	0.945	1.014	6.1
Hexachlorobutadiene		0.234	0.233	0.231	0.216	0.206	0.220	5.5
2-Methylnaphthalene		0.758	0.678	0.678	0.629	0.598	0.650	9.1
2,4,6-Trichlorophenol		0.408	0.364	0.378	0.356	0.360	0.370	5.2
2-Fluorobiphenyl		1.526	1.341	1.326	1.207	1.147	1.261	11.6
2,4,5-Trichlorophenol		0.401	0.359	0.384	0.386	0.363	0.379	3.7
Acenaphthylene		1.656	1.666	1.690	1.587	1.523	1.595	4.8
Acenaphthene		1.181	1.076	1.072	1.027	0.985	1.053	6.2
Dibenzofuran		1.611	1.620	1.623	1.518	1.441	1.530	5.8
2,4-Dinitrotoluene		0.109	0.165	0.229	0.289	0.297	0.250	34.3
Fluorene		1.395	1.280	1.273	1.195	1.142	1.223	8.1
2,4,6-Tribromophenol		0.132	0.174	0.191	0.190	0.187	0.181	12.6
Hexachlorobenzene		0.255	0.229	0.231	0.220	0.215	0.227	5.9
Pentachlorophenol		0.135	0.131	0.147	0.149	0.148	0.145	6.2
Phenanthrene		1.228	1.053	1.066	0.968	0.938	1.017	10.8
Anthracene		1.172	1.037	1.035	0.953	0.924	0.994	9.5
Carbazole		1.112	0.959	0.976	0.892	0.865	0.928	10.5
Di-n-butylphthalate		1.373	1.077	1.098	1.019	0.987	1.076	12.9
Fluoranthene		1.275	1.159	1.152	1.050	1.001	1.085	10.6
Pyrene		1.566	1.495	1.606	1.688	1.704	1.669	7.3
Terphenyl-d14		1.099	1.121	1.144	1.212	1.243	1.205	7.2
Benzo (a) anthracene		1.478	1.343	1.346	1.301	1.232	1.315	6.6
Chrysene		1.229	1.245	1.288	1.153	1.111	1.192	5.3
Bis (2-ethylhexyl) phthalate		0.749	0.719	0.757	0.779	0.764	0.765	3.6
Benzo (b) fluoranthene		1.474	1.391	1.390	1.257	1.153	1.304	9.3

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
Benzo(k)fluoranthene		1.051	1.220	1.288	1.076	1.019	1.086	11.4
Benzo(a)pyrene		1.052	1.068	1.087	1.014	0.981	1.030	3.9
Indeno(1,2,3-cd)pyrene		0.909	0.873	1.124	1.298	1.308	1.171	17.6
Dibenzo(a,h)anthracene		0.745	0.724	0.922	1.078	1.071	0.961	17.3
Benzo(g,h,i)perylene		0.641	0.713	0.968	1.106	1.102	0.969	21.5
1,4-Dioxane		0.591	0.579	0.579	0.553	0.528	0.558	4.7
1-Methylnaphthalene		0.677	0.662	0.666	0.613	0.585	0.627	6.4