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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06
Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194
Instrument ID: BNA_G Calibration Date(s): 02/03/2025 02/03/2025
Calibration Time(s): 11:18 15:42

LAB FILE ID:		RRF2.5 = BG063975.D			RRF005 = BG063976.D		RRF010 = BG063977.D	
		RRF020 = BG063978.D			RRF040 = BG063979.D		RRF050 = BG063980.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.051	1.158	1.265	1.334	1.302	1.247	8.4
Benzaldehyde		0.912	1.060	1.119	0.954	0.897	0.935	13.6
Phenol-d6		1.538	1.567	1.748	1.787	1.751	1.712	6.5
Phenol		1.646	1.697	1.823	1.856	1.816	1.802	5.3
bis(2-Chloroethyl) ether		1.496	1.391	1.479	1.477	1.430	1.451	2.5
2-Chlorophenol		1.018	1.121	1.276	1.353	1.352	1.271	11.5
2-Methylphenol		1.044	1.031	1.163	1.227	1.210	1.165	7.9
2,2-oxybis(1-Chloropropane)		2.982	2.734	2.954	2.950	2.883	2.922	3.1
Acetophenone		0.541	0.540	0.559	0.551	0.545	0.550	1.4
3+4-Methylphenols		1.338	1.355	1.542	1.636	1.619	1.553	9.7
n-Nitroso-di-n-propylamine	1.060	1.164	1.114	1.197	1.243	1.188	1.185	6.0
Nitrobenzene-d5			0.231	0.293	0.336	0.353	0.329	17.7
Hexachloroethane		0.462	0.450	0.488	0.537	0.520	0.503	7.1
Nitrobenzene		0.198	0.273	0.320	0.354	0.374	0.330	22.1
Isophorone		0.678	0.676	0.707	0.715	0.716	0.713	4.3
2-Nitrophenol		0.042	0.044	0.056	0.076	0.090	0.069	37.6
2,4-Dimethylphenol		0.163	0.182	0.204	0.216	0.217	0.205	11.8
bis(2-Chloroethoxy) methane		0.425	0.451	0.451	0.456	0.451	0.454	3.5
2,4-Dichlorophenol		0.154	0.196	0.242	0.270	0.285	0.249	22.2
Naphthalene		1.077	1.053	1.074	1.082	1.059	1.072	1.1
4-Chloroaniline		0.396	0.386	0.398	0.420	0.415	0.411	4.3
Hexachlorobutadiene		0.203	0.217	0.214	0.216	0.214	0.215	2.7
Caprolactam			0.065	0.080	0.097	0.106	0.095	20.1
4-Chloro-3-methylphenol		0.255	0.283	0.322	0.350	0.352	0.328	13.4
2-Methylnaphthalene		0.761	0.708	0.751	0.751	0.747	0.747	2.4
Hexachlorocyclopentadiene		0.090	0.117	0.140	0.162	0.165	0.149	24.0
2,4,6-Trichlorophenol		0.145	0.204	0.284	0.320	0.333	0.288	29.2
2-Fluorobiphenyl		1.314	1.324	1.386	1.312	1.272	1.305	3.5
2,4,5-Trichlorophenol		0.176	0.251	0.338	0.373	0.385	0.333	26.2
1,1-Biphenyl		1.521	1.526	1.586	1.526	1.489	1.523	2.1
2-Chloronaphthalene		1.029	1.123	1.170	1.105	1.108	1.110	3.8
2-Nitroaniline		0.118	0.139	0.213	0.268	0.303	0.249	38.4
Dimethylphthalate		1.029	1.165	1.359	1.380	1.427	1.326	12.5
Acenaphthylene		1.640	1.669	1.802	1.731	1.732	1.724	3.2

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		0.092	0.125	0.185	0.230	0.250	0.208	37.1
3-Nitroaniline		0.113	0.152	0.222	0.267	0.288	0.238	33.3
Acenaphthene		1.114	1.109	1.197	1.147	1.150	1.156	3.2
2,4-Dinitrophenol			0.028	0.044	0.051	0.061	0.057	36.5
4-Nitrophenol			0.109	0.156	0.201	0.233	0.203	29.7
Dibenzofuran		1.864	1.874	1.961	1.867	1.849	1.878	2.2
2,4-Dinitrotoluene		0.125	0.144	0.224	0.293	0.330	0.268	39.7
Diethylphthalate		1.062	1.227	1.416	1.478	1.535	1.406	13.8
4-Chlorophenyl-phenylether		0.771	0.726	0.760	0.708	0.707	0.728	3.7
Fluorene		1.494	1.463	1.486	1.437	1.421	1.451	2.7
4-Nitroaniline		0.163	0.191	0.250	0.289	0.319	0.267	25.7
4,6-Dinitro-2-methylphenol			0.024	0.031	0.042	0.049	0.046	36.6
n-Nitrosodiphenylamine		0.540	0.532	0.576	0.568	0.546	0.555	2.8
2,4,6-Tribromophenol			0.109	0.157	0.190	0.218	0.192	26.5
4-Bromophenyl-phenylether		0.183	0.187	0.202	0.204	0.197	0.199	5.4
Hexachlorobenzene		0.228	0.235	0.240	0.240	0.226	0.234	2.3
Atrazine		0.141	0.169	0.185	0.197	0.200	0.185	12.1
Pentachlorophenol			0.060	0.097	0.121	0.134	0.120	30.3
Phenanthrene		1.055	1.052	1.077	1.059	1.041	1.050	1.6
Anthracene		1.053	1.037	1.065	1.066	1.036	1.051	1.2
Carbazole		0.981	0.972	1.009	0.990	0.985	0.984	1.7
Di-n-butylphthalate		0.671	0.823	1.026	1.134	1.177	1.026	19.8
Fluoranthene		1.312	1.267	1.302	1.293	1.289	1.279	2.6
Pyrene		1.220	1.172	1.311	1.233	1.247	1.235	3.4
Terphenyl-d14		1.005	0.966	1.023	0.951	0.958	0.958	5.1
Butylbenzylphthalate		0.150	0.219	0.329	0.388	0.424	0.346	34.8
3,3-Dichlorobenzidine		0.264	0.336	0.421	0.434	0.433	0.395	17.4
Benzo (a) anthracene		1.248	1.236	1.312	1.280	1.281	1.270	2.0
Chrysene		1.273	1.235	1.331	1.248	1.268	1.264	2.9
Bis (2-ethylhexyl) phthalate		0.272	0.402	0.575	0.650	0.689	0.575	30.3
Di-n-octyl phthalate			0.588	0.873	1.021	1.113	1.001	23.8
Benzo (b) fluoranthene		1.093	1.094	1.243	1.202	1.194	1.178	5.0
Benzo (k) fluoranthene		1.137	1.175	1.192	1.240	1.234	1.209	3.5
Benzo (a) pyrene		0.959	0.976	1.078	1.065	1.072	1.051	5.6
Indeno (1,2,3-cd) pyrene		1.147	1.200	1.319	1.307	1.321	1.290	6.6

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Dibenzo (a,h) anthracene		0.984	1.007	1.107	1.109	1.110	1.089	6.2
Benzo (g,h,i) perylene		0.981	1.039	1.132	1.111	1.122	1.100	6.0
1,2,4,5-Tetrachlorobenzene		0.567	0.590	0.620	0.587	0.581	0.590	2.7
1,4-Dioxane		0.622	0.604	0.621	0.600	0.574	0.592	4.6
2,3,4,6-Tetrachlorophenol		0.146	0.217	0.299	0.336	0.363	0.309	31.2