CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: loui01

Lab Code: CHEM Case No.: O1233 SAS No.: O1233 SDG No.: O1233

Instrument ID: BNA_F Calibration Date(s): 01/19/2023 01/19/2023

Calibration Time(s): 11:21 15:11

LAB FILE ID: RRF2.5 = BF132140.D RRF005 = BF132141.D RRF010 = BF132142.D
RRF020 = BF132143.D RRF040 = BF132144.D RRF050 = BF132145.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.301	1.246	1.204	1.116	1.063	1.145	9.4
Benzaldehyde			1.086	1.022	0.903	0.814	0.927	13.3
Phenol-d6		1.696	1.541	1.516	1.404	1.325	1.441	10.5
Phenol		1.733	1.636	1.580	1.468	1.375	1.500	10.3
bis(2-Chloroethyl)ether		1.461	1.341	1.325	1.236	1.178	1.270	8.9
2-Chlorophenol		1.351	1.306	1.286	1.183	1.129	1.203	9.5
2-Methylphenol		1.172	1.098	1.104	1.042	0.990	1.054	7.1
2,2-oxybis(1-Chloropropane)		2.119	1.959	1.937	1.815	1.731	1.846	9.2
Acetophenone		0.579	0.528	0.504	0.462	0.431	0.481	12.2
3+4-Methylphenols		1.509	1.435	1.426	1.317	1.235	1.329	10.2
n-Nitroso-di-n-propylamine	0.922	1.015	0.971	0.921	0.847	0.797	0.883	9.9
Nitrobenzene-d5		0.363	0.366	0.383	0.383	0.371	0.376	2.5
Hexachloroethane		0.503	0.486	0.495	0.489	0.466	0.482	3.8
Nitrobenzene		0.397	0.392	0.410	0.406	0.388	0.399	2.2
Isophorone		0.767	0.740	0.738	0.719	0.711	0.737	2.5
2-Nitrophenol		0.099	0.105	0.128	0.148	0.154	0.127	19.5
2,4-Dimethylphenol		0.334	0.330	0.324	0.322	0.308	0.319	3.8
bis(2-Chloroethoxy)methane		0.497	0.471	0.461	0.430	0.407	0.442	8.0
2,4-Dichlorophenol		0.303	0.298	0.313	0.309	0.294	0.303	2.3
Naphthalene		1.185	1.119	1.075	0.998	0.942	1.027	9.9
4-Chloroaniline		0.496	0.474	0.458	0.437	0.411	0.440	8.7
Hexachlorobutadiene		0.252	0.234	0.234	0.227	0.220	0.231	4.7
Caprolactam		0.075	0.081	0.086	0.090	0.089	0.086	6.6
4-Chloro-3-methylphenol		0.299	0.305	0.314	0.309	0.305	0.305	1.8
2-Methylnaphthalene		0.828	0.783	0.739	0.684	0.643	0.707	11.0
Hexachlorocyclopentadiene			0.306	0.342	0.390	0.389	0.380	12.4
2,4,6-Trichlorophenol		0.392	0.414	0.445	0.448	0.437	0.432	5.0
2-Fluorobiphenyl		1.669	1.529	1.407	1.250	1.162	1.369	14.8
2,4,5-Trichlorophenol		0.475	0.487	0.519	0.523	0.504	0.505	3.7
1,1-Biphenyl		1.813	1.710	1.657	1.537	1.450	1.578	9.7
2-Chloronaphthalene		1.372	1.294	1.270	1.195	1.131	1.220	7.8
2-Nitroaniline		0.245	0.288	0.354	0.380	0.391	0.351	17.4
Dimethylphthalate		1.562	1.520	1.519	1.435	1.369	1.449	6.0
Acenaphthylene		2.180	2.078	2.033	1.912	1.834	1.951	7.6
2,6-Dinitrotoluene		0.224	0.253	0.286	0.301	0.300	0.281	11.0
3-Nitroaniline		0.256	0.289	0.318	0.322	0.319	0.300	7.9

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
Acenaphthene		1.315	1.269	1.214	1.141	1.085	1.174	8.0
2,4-Dinitrophenol			0.078	0.097	0.111	0.124	0.108	19.9
4-Nitrophenol		0.172	0.191	0.221	0.232	0.242	0.218	12.2
Dibenzofuran		2.079	1.971	1.883	1.771	1.692	1.814	9.4
2,4-Dinitrotoluene		0.266	0.281	0.340	0.355	0.372	0.337	13.5
Diethylphthalate		1.495	1.493	1.485	1.423	1.389	1.420	5.4
4-Chlorophenyl-phenylether		0.838	0.783	0.750	0.704	0.664	0.720	10.4
Fluorene		1.619	1.504	1.416	1.282	1.219	1.344	12.9
4-Nitroaniline		0.258	0.275	0.293	0.282	0.290	0.279	4.1
4,6-Dinitro-2-methylphenol			0.058	0.072	0.085	0.094	0.087	22.3
n-Nitrosodiphenylamine		0.705	0.681	0.655	0.614	0.598	0.641	6.5
2,4,6-Tribromophenol		0.197	0.207	0.222	0.221	0.217	0.214	4.2
4-Bromophenyl-phenylether		0.260	0.253	0.247	0.237	0.230	0.244	4.2
Hexachlorobenzene		0.260	0.248	0.243	0.235	0.229	0.242	4.2
Atrazine		0.204	0.202	0.203	0.197	0.190	0.198	3.0
Pentachlorophenol		0.123	0.136	0.156	0.162	0.167	0.156	12.5
Phenanthrene		1.231	1.134	1.083	0.997	0.960	1.050	10.0
Anthracene		1.244	1.150	1.104	1.007	0.965	1.062	10.1
Carbazole		1.046	0.997	0.952	0.865	0.829	0.907	10.1
Di-n-butylphthalate		1.021	1.052	1.071	0.990	0.977	1.010	4.1
Fluoranthene		1.297	1.190	1.123	1.008	0.979	1.078	12.0
Pyrene		1.905	1.890	1.961	1.847	1.820	1.843	5.4
Terphenyl-d14		1.378	1.298	1.274	1.157	1.116	1.194	10.7
Butylbenzylphthalate		0.360	0.428	0.535	0.582	0.598	0.534	19.0
3,3-Dichlorobenzidine		0.310	0.345	0.403	0.422	0.418	0.398	12.9
Benzo(a)anthracene		1.454	1.419	1.446	1.403	1.402	1.429	2.0
Chrysene		1.457	1.365	1.351	1.331	1.310	1.360	3.6
Bis(2-ethylhexyl)phthalate		0.472	0.547	0.691	0.768	0.788	0.705	20.4
Di-n-octyl phthalate			0.595	0.816	1.093	1.187	1.083	30.0
Benzo(b)fluoranthene		1.288	1.234	1.181	1.230	1.164	1.218	3.3
Benzo(k)fluoranthene		1.336	1.302	1.303	1.211	1.157	1.242	5.7
Benzo(a)pyrene		1.124	1.102	1.157	1.195	1.167	1.171	4.2
Indeno(1,2,3-cd)pyrene		1.093	1.197	1.461	1.579	1.556	1.451	15.2
Dibenzo(a,h)anthracene		0.926	1.009	1.215	1.294	1.249	1.184	12.9
Benzo(g,h,i)perylene		0.925	1.038	1.267	1.354	1.328	1.246	15.2
1,2,4,5-Tetrachlorobenzene		0.789	0.737	0.719	0.684	0.641	0.696	8.0

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
1,4-Dioxane		0.624	0.591	0.586	0.580	0.553	0.580	4.2
2,3,4,6-Tetrachlorophenol		0.344	0.366	0.400	0.405	0.393	0.384	5.8

All other compounds must meet a minimum RRF of 0.010.