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_P Calibration Date(s): 01/31/2023 01/31/2023

Calibration Time(s): 11:21 15:56

LAB FILE ID: RRF2.5 = BP013669.D RRF005 = BP013670.D RRF010 = BP013671.D
RRF020 = BP013672.D RRF040 = BP013673.D RRF050 = BP013674.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.265	1.187	1.186	1.213	1.160	1.170	5.7
Benzaldehyde		1.148	1.020	0.949	0.840	0.747	0.895	19.9
Phenol-d6		1.648	1.553	1.571	1.610	1.589	1.559	4.4
Phenol		1.684	1.624	1.644	1.685	1.679	1.628	3.9
bis(2-Chloroethyl)ether		1.389	1.317	1.310	1.328	1.316	1.301	4.6
2-Chlorophenol		1.283	1.244	1.252	1.271	1.250	1.232	4.2
2-Methylphenol		1.152	1.112	1.159	1.188	1.203	1.141	4.2
2,2-oxybis(1-Chloropropane)		1.631	1.535	1.545	1.557	1.547	1.519	5.4
Acetophenone		0.530	0.508	0.529	0.531	0.540	0.522	3.1
3+4-Methylphenols		1.528	1.513	1.576	1.621	1.660	1.557	4.1
n-Nitroso-di-n-propylamine	0.859	0.984	0.973	1.003	1.033	1.073	0.978	6.5
Nitrobenzene-d5		0.290	0.302	0.339	0.360	0.383	0.344	10.4
Hexachloroethane		0.485	0.461	0.460	0.467	0.471	0.463	3.0
Nitrobenzene		0.331	0.337	0.372	0.387	0.409	0.373	7.9
Isophorone		0.746	0.730	0.764	0.778	0.814	0.762	3.8
2-Nitrophenol		0.121	0.129	0.147	0.163	0.180	0.156	15.3
2,4-Dimethylphenol		0.296	0.296	0.308	0.317	0.324	0.308	3.5
bis(2-Chloroethoxy)methane		0.465	0.450	0.461	0.456	0.477	0.457	3.1
2,4-Dichlorophenol		0.318	0.319	0.334	0.341	0.356	0.335	4.3
Naphthalene		1.097	1.040	1.066	1.060	1.077	1.052	3.3
4-Chloroaniline		0.450	0.445	0.464	0.472	0.492	0.462	3.6
Hexachlorobutadiene		0.242	0.232	0.234	0.233	0.240	0.236	2.2
Caprolactam		0.103	0.099	0.107	0.112	0.123	0.110	7.1
4-Chloro-3-methylphenol		0.328	0.324	0.352	0.358	0.387	0.352	6.0
2-Methylnaphthalene		0.808	0.762	0.801	0.792	0.824	0.791	3.0
Hexachlorocyclopentadiene			0.240	0.274	0.311	0.335	0.312	14.9
2,4,6-Trichlorophenol		0.409	0.410	0.450	0.466	0.478	0.450	6.4
2-Fluorobiphenyl		1.473	1.429	1.477	1.458	1.438	1.429	3.9
2,4,5-Trichlorophenol		0.480	0.476	0.527	0.543	0.562	0.526	6.6
1,1-Biphenyl		1.545	1.486	1.551	1.539	1.535	1.513	2.9
2-Chloronaphthalene		1.181	1.143	1.198	1.191	1.188	1.170	2.6
2-Nitroaniline		0.164	0.179	0.227	0.267	0.303	0.250	24.2
Dimethylphthalate		1.558	1.482	1.571	1.570	1.609	1.547	2.9
Acenaphthylene		1.892	1.815	1.924	1.922	1.938	1.887	2.7
2,6-Dinitrotoluene		0.167	0.208	0.274	0.306	0.332	0.276	23.5
3-Nitroaniline		0.204	0.247	0.297	0.327	0.352	0.302	18.6

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
Acenaphthene		1.225	1.184	1.210	1.225	1.246	1.215	2.0
2,4-Dinitrophenol			0.102	0.131	0.169	0.201	0.168	25.9
4-Nitrophenol			0.211	0.249	0.276	0.300	0.268	12.2
Dibenzofuran		1.959	1.911	1.935	1.903	1.926	1.901	2.9
2,4-Dinitrotoluene		0.214	0.262	0.342	0.400	0.446	0.363	25.8
Diethylphthalate		1.499	1.450	1.496	1.494	1.544	1.483	2.6
4-Chlorophenyl-phenylether		0.844	0.807	0.812	0.813	0.831	0.813	2.7
Fluorene		1.549	1.492	1.547	1.505	1.506	1.492	3.8
4-Nitroaniline		0.195	0.236	0.298	0.329	0.352	0.299	20.5
4,6-Dinitro-2-methylphenol			0.069	0.088	0.107	0.120	0.104	20.9
n-Nitrosodiphenylamine		0.597	0.602	0.591	0.584	0.581	0.582	3.4
2,4,6-Tribromophenol		0.273	0.279	0.295	0.306	0.323	0.300	6.2
4-Bromophenyl-phenylether		0.224	0.221	0.230	0.230	0.238	0.229	2.5
Hexachlorobenzene		0.259	0.247	0.252	0.251	0.259	0.254	1.9
Atrazine		0.184	0.188	0.195	0.201	0.194	0.189	4.1
Pentachlorophenol		0.162	0.168	0.185	0.195	0.203	0.187	8.9
Phenanthrene		1.125	1.080	1.097	1.075	1.071	1.072	3.6
Anthracene		1.102	1.080	1.101	1.101	1.095	1.082	2.8
Carbazole		0.990	1.002	1.006	0.999	0.994	0.983	3.2
Di-n-butylphthalate		1.044	1.055	1.085	1.097	1.117	1.075	2.7
Fluoranthene		1.358	1.328	1.355	1.346	1.356	1.335	2.5
Pyrene		1.361	1.313	1.355	1.378	1.373	1.346	2.5
Terphenyl-d14		1.050	1.020	1.043	1.034	1.021	1.007	5.5
Butylbenzylphthalate		0.321	0.321	0.347	0.378	0.403	0.367	10.1
3,3-Dichlorobenzidine		0.398	0.405	0.447	0.463	0.465	0.439	6.1
Benzo(a)anthracene		1.414	1.353	1.399	1.417	1.421	1.389	2.6
Chrysene		1.370	1.311	1.336	1.342	1.334	1.324	2.9
Bis(2-ethylhexyl)phthalate		0.584	0.576	0.608	0.643	0.666	0.625	5.7
Di-n-octyl phthalate		1.069	1.047	1.108	1.173	1.220	1.142	5.9
Benzo(b)fluoranthene		1.187	1.140	1.231	1.201	1.262	1.202	3.5
Benzo(k)fluoranthene		1.243	1.138	1.216	1.248	1.208	1.204	3.2
Benzo(a)pyrene		1.194	1.153	1.199	1.207	1.223	1.193	2.1
Indeno(1,2,3-cd)pyrene		1.562	1.482	1.517	1.530	1.549	1.521	2.1
Dibenzo(a,h)anthracene		1.290	1.236	1.263	1.274	1.288	1.263	2.2
Benzo(g,h,i)perylene		1.297	1.221	1.249	1.258	1.274	1.254	2.2
1,2,4,5-Tetrachlorobenzene		0.659	0.652	0.685	0.695	0.702	0.683	3.0

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		0.540	0.526	0.508	0.501	0.486	0.495	7.3
2,3,4,6-Tetrachlorophenol		0.430	0.428	0.453	0.466	0.489	0.458	4.9

All other compounds must meet a minimum RRF of 0.010.