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.: O1232 SAS No.: O1232 SDG No.: O1232

Instrument ID: BNA_P Calibration Date(s): 01/23/2023 01/23/2023

Calibration Time(s): 11:25 16:01

LAB FILE ID: RRF2.5 = BP013545.D RRF005 = BP013546.D RRF010 = BP013547.D
RRF020 = BP013548.D RRF040 = BP013549.D RRF050 = BP013550.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.214	1.132	1.167	1.231	1.185	1.167	4.1
Benzaldehyde		1.173	1.061	1.015	0.916	0.809	0.995	14.0
Phenol-d6		1.602	1.516	1.588	1.626	1.590	1.571	2.7
Phenol		1.647	1.588	1.649	1.678	1.650	1.628	2.4
bis(2-Chloroethyl)ether		1.406	1.327	1.359	1.360	1.327	1.331	3.8
2-Chlorophenol		1.272	1.247	1.312	1.334	1.311	1.288	2.5
2-Methylphenol		1.194	1.152	1.210	1.208	1.194	1.182	2.2
2,2-oxybis(1-Chloropropane)		1.981	1.864	1.888	1.837	1.785	1.822	5.6
Acetophenone		0.519	0.502	0.520	0.532	0.524	0.513	3.1
3+4-Methylphenols		1.531	1.497	1.574	1.582	1.587	1.556	2.1
n-Nitroso-di-n-propylamine	0.854	1.090	1.050	1.084	1.023	1.017	1.012	7.4
Nitrobenzene-d5		0.231	0.255	0.297	0.330	0.340	0.303	14.5
Hexachloroethane		0.479	0.468	0.485	0.506	0.495	0.483	2.9
Nitrobenzene		0.267	0.285	0.324	0.351	0.356	0.326	11.1
Isophorone		0.730	0.700	0.727	0.718	0.726	0.719	1.5
2-Nitrophenol		0.057	0.064	0.085	0.106	0.122	0.094	32.2
2,4-Dimethylphenol		0.291	0.292	0.312	0.321	0.323	0.310	4.3
bis(2-Chloroethoxy)methane		0.436	0.416	0.437	0.439	0.443	0.433	2.1
2,4-Dichlorophenol		0.247	0.260	0.282	0.298	0.303	0.285	8.3
Naphthalene		1.084	1.044	1.078	1.108	1.103	1.075	2.6
4-Chloroaniline		0.475	0.456	0.476	0.482	0.486	0.476	2.0
Hexachlorobutadiene		0.189	0.183	0.189	0.198	0.194	0.189	2.8
Caprolactam		0.085	0.081	0.091	0.091	0.094	0.093	10.0
4-Chloro-3-methylphenol		0.283	0.281	0.315	0.314	0.325	0.311	6.7
2-Methylnaphthalene		0.770	0.744	0.769	0.772	0.778	0.764	1.5
Hexachlorocyclopentadiene			0.218	0.252	0.302	0.325	0.290	15.3
2,4,6-Trichlorophenol		0.289	0.310	0.351	0.381	0.401	0.360	12.5
2-Fluorobiphenyl		1.472	1.448	1.468	1.532	1.524	1.457	5.2
2,4,5-Trichlorophenol		0.337	0.369	0.415	0.453	0.474	0.426	12.7
1,1-Biphenyl		1.616	1.566	1.596	1.677	1.672	1.606	3.8
2-Chloronaphthalene		1.202	1.171	1.201	1.253	1.251	1.203	3.4
2-Nitroaniline		0.125	0.152	0.213	0.263	0.295	0.241	33.1
Dimethylphthalate		1.492	1.429	1.487	1.499	1.518	1.487	1.9
Acenaphthylene		1.931	1.901	1.972	2.038	2.042	1.968	3.0
2,6-Dinitrotoluene		0.125	0.165	0.233	0.264	0.287	0.240	29.4
3-Nitroaniline		0.154	0.194	0.260	0.301	0.323	0.275	27.9

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		1.197	1.165	1.200	1.251	1.263	1.216	2.8
2,4-Dinitrophenol		0.033	0.038	0.051	0.065	0.078	0.058	37.6
4-Nitrophenol			0.145	0.195	0.229	0.241	0.212	20.1
Dibenzofuran		1.905	1.832	1.863	1.902	1.911	1.864	2.3
2,4-Dinitrotoluene		0.133	0.175	0.263	0.313	0.351	0.266	35.5
Diethylphthalate		1.471	1.383	1.460	1.450	1.458	1.452	2.8
4-Chlorophenyl-phenylether		0.745	0.705	0.732	0.736	0.744	0.729	2.1
Fluorene		1.523	1.445	1.503	1.509	1.513	1.482	2.7
4-Nitroaniline		0.168	0.198	0.267	0.311	0.323	0.265	25.4
4,6-Dinitro-2-methylphenol			0.027	0.040	0.053	0.065	0.058	39.2
n-Nitrosodiphenylamine		0.634	0.631	0.663	0.675	0.686	0.652	4.5
2,4,6-Tribromophenol		0.167	0.172	0.199	0.213	0.226	0.201	13.2
4-Bromophenyl-phenylether		0.214	0.210	0.220	0.226	0.233	0.222	4.1
Hexachlorobenzene		0.235	0.227	0.237	0.243	0.250	0.239	3.4
Atrazine		0.174	0.171	0.189	0.199	0.194	0.187	5.4
Pentachlorophenol			0.099	0.127	0.143	0.151	0.139	16.5
Phenanthrene		1.134	1.075	1.111	1.151	1.145	1.113	3.3
Anthracene		1.115	1.085	1.132	1.181	1.167	1.129	3.6
Carbazole		1.018	0.962	1.001	1.066	1.042	1.015	3.3
Di-n-butylphthalate		1.055	0.996	1.116	1.186	1.186	1.130	6.9
Fluoranthene		1.200	1.090	1.134	1.255	1.206	1.183	4.7
Pyrene		1.598	1.534	1.636	1.482	1.539	1.529	4.8
Terphenyl-d14		1.183	1.124	1.204	1.112	1.126	1.112	7.7
Butylbenzylphthalate		0.404	0.407	0.487	0.527	0.545	0.487	13.7
3,3-Dichlorobenzidine		0.392	0.390	0.439	0.482	0.487	0.449	9.5
Benzo(a)anthracene		1.403	1.336	1.388	1.431	1.430	1.393	2.6
Chrysene		1.337	1.294	1.343	1.376	1.366	1.333	2.7
Bis(2-ethylhexyl)phthalate		0.691	0.677	0.751	0.814	0.821	0.779	9.7
Di-n-octyl phthalate		1.022	1.041	1.144	1.362	1.374	1.256	14.6
Benzo(b)fluoranthene		1.203	1.148	1.199	1.268	1.267	1.230	4.0
Benzo(k)fluoranthene		1.250	1.198	1.250	1.263	1.266	1.255	2.8
Benzo(a)pyrene		1.154	1.118	1.177	1.240	1.242	1.194	3.9
Indeno(1,2,3-cd)pyrene		1.332	1.396	1.481	1.589	1.607	1.473	8.4
Dibenzo(a,h)anthracene		1.101	1.171	1.240	1.331	1.355	1.236	8.7
Benzo(g,h,i)perylene		1.097	1.162	1.219	1.297	1.319	1.206	8.6
1,2,4,5-Tetrachlorobenzene		0.594	0.591	0.604	0.652	0.653	0.616	4.6

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COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
1,4-Dioxane		0.496	0.484	0.477	0.495	0.475	0.471	6.0
2,3,4,6-Tetrachlorophenol		0.273	0.284	0.318	0.337	0.348	0.327	11.5

All other compounds must meet a minimum RRF of 0.010.