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: LABE01

Lab Code: CHEM Case No.: O3645 SAS No.: O3645 SDG No.: O3645

Instrument ID: BNA_P Calibration Date(s): 07/27/2023 07/27/2023

Calibration Time(s): 11:03 15:03

LAB FILE ID: RRF2.5 = BP016393.D RRF005 = BP016394.D RRF010 = BP016395.D
RRF020 = BP016396.D RRF040 = BP016397.D RRF050 = BP016398.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.268	1.295	1.337	1.221	1.146	1.226	6.5
Benzaldehyde		1.166	1.128	1.019	0.800	0.697	0.866	27.2
Phenol-d6		1.726	1.792	1.834	1.690	1.584	1.680	7.0
Phenol		1.696	1.757	1.780	1.633	1.527	1.632	7.4
bis(2-Chloroethyl)ether		1.436	1.442	1.431	1.318	1.231	1.326	8.5
2-Chlorophenol		1.320	1.344	1.383	1.307	1.217	1.285	5.8
2-Methylphenol		1.202	1.249	1.263	1.193	1.114	1.176	6.2
2,2-oxybis(1-Chloropropane)		1.687	1.699	1.655	1.477	1.367	1.504	11.7
Acetophenone		0.521	0.526	0.539	0.506	0.478	0.505	5.1
3+4-Methylphenols		1.604	1.672	1.697	1.632	1.533	1.597	5.1
n-Nitroso-di-n-propylamine	1.120	1.114	1.153	1.132	1.056	0.970	1.053	9.0
Nitrobenzene-d5		0.345	0.365	0.386	0.362	0.345	0.357	4.3
Hexachloroethane		0.530	0.539	0.540	0.496	0.462	0.499	7.6
Nitrobenzene		0.366	0.376	0.393	0.368	0.351	0.367	4.1
Isophorone		0.717	0.744	0.762	0.731	0.691	0.721	3.8
2-Nitrophenol		0.103	0.114	0.138	0.153	0.155	0.141	17.2
2,4-Dimethylphenol		0.318	0.328	0.343	0.327	0.313	0.323	3.3
bis(2-Chloroethoxy)methane		0.459	0.459	0.467	0.443	0.419	0.442	4.8
2,4-Dichlorophenol		0.269	0.280	0.307	0.318	0.307	0.302	6.6
Naphthalene		1.079	1.074	1.100	1.052	0.999	1.046	4.1
4-Chloroaniline		0.463	0.470	0.493	0.481	0.458	0.472	2.7
Hexachlorobutadiene		0.185	0.181	0.189	0.204	0.197	0.194	4.8
Caprolactam		0.096	0.107	0.115	0.114	0.110	0.110	6.6
4-Chloro-3-methylphenol		0.313	0.329	0.352	0.346	0.330	0.336	4.1
2-Methylnaphthalene		0.768	0.773	0.781	0.776	0.735	0.760	2.9
Hexachlorocyclopentadiene		0.248	0.264	0.291	0.333	0.330	0.305	12.2
2,4,6-Trichlorophenol		0.324	0.350	0.394	0.417	0.404	0.390	9.8
2-Fluorobiphenyl		1.465	1.474	1.485	1.418	1.317	1.395	6.5
2,4,5-Trichlorophenol		0.403	0.434	0.476	0.501	0.489	0.473	8.4
1,1-Biphenyl		1.562	1.576	1.606	1.538	1.449	1.525	4.3
2-Chloronaphthalene		1.165	1.177	1.208	1.165	1.095	1.150	3.7
2-Nitroaniline		0.275	0.302	0.350	0.338	0.324	0.324	8.3
Dimethylphthalate		1.574	1.599	1.622	1.567	1.495	1.559	3.2
Acenaphthylene		1.880	1.956	2.038	1.935	1.825	1.908	4.1
2,6-Dinitrotoluene		0.267	0.301	0.331	0.335	0.322	0.319	8.5
3-Nitroaniline		0.305	0.339	0.378	0.374	0.362	0.361	8.2

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		1.136	1.167	1.192	1.151	1.082	1.135	3.7
2,4-Dinitrophenol			0.079	0.098	0.122	0.130	0.121	23.4
4-Nitrophenol		0.215	0.261	0.298	0.296	0.288	0.283	12.1
Dibenzofuran		1.899	1.912	1.956	1.877	1.771	1.861	4.0
2,4-Dinitrotoluene		0.305	0.363	0.430	0.450	0.435	0.416	14.4
Diethylphthalate		1.552	1.585	1.637	1.564	1.470	1.549	3.7
4-Chlorophenyl-phenylether		0.734	0.742	0.761	0.765	0.721	0.738	3.4
Fluorene		1.497	1.526	1.561	1.494	1.381	1.462	5.5
4-Nitroaniline		0.287	0.338	0.383	0.375	0.358	0.358	10.0
4,6-Dinitro-2-methylphenol			0.056	0.072	0.087	0.091	0.084	20.4
n-Nitrosodiphenylamine		0.605	0.604	0.630	0.597	0.563	0.589	4.9
2,4,6-Tribromophenol			0.232	0.256	0.318	0.307	0.294	13.7
4-Bromophenyl-phenylether		0.199	0.196	0.208	0.224	0.215	0.212	5.4
Hexachlorobenzene		0.224	0.220	0.226	0.250	0.241	0.236	5.4
Atrazine		0.172	0.179	0.189	0.181	0.173	0.175	4.7
Pentachlorophenol			0.129	0.150	0.172	0.171	0.163	12.4
Phenanthrene		1.110	1.108	1.125	1.068	1.004	1.062	5.3
Anthracene		1.071	1.091	1.138	1.088	1.027	1.068	4.4
Carbazole		1.007	1.037	1.080	1.010	0.951	1.001	5.0
Di-n-butylphthalate		1.098	1.165	1.277	1.199	1.132	1.158	6.0
Fluoranthene		1.191	1.241	1.310	1.288	1.222	1.245	3.8
Pyrene		1.380	1.383	1.451	1.363	1.291	1.341	5.8
Terphenyl-d14		1.054	1.046	1.071	0.997	0.888	0.947	14.2
Butylbenzylphthalate		0.462	0.504	0.583	0.544	0.527	0.527	7.1
3,3-Dichlorobenzidine		0.387	0.420	0.439	0.470	0.451	0.441	6.6
Benzo(a)anthracene		1.346	1.379	1.413	1.368	1.297	1.342	3.9
Chrysene		1.319	1.332	1.364	1.296	1.220	1.281	5.2
Bis(2-ethylhexyl)phthalate		0.712	0.789	0.880	0.811	0.779	0.791	6.5
Di-n-octyl phthalate		1.158	1.309	1.466	1.361	1.317	1.330	7.1
Benzo(b)fluoranthene		1.126	1.123	1.209	1.215	1.160	1.159	3.7
Benzo(k)fluoranthene		1.139	1.193	1.246	1.222	1.145	1.179	3.9
Benzo(a)pyrene		1.063	1.096	1.168	1.167	1.111	1.123	3.6
Indeno(1,2,3-cd)pyrene		1.247	1.341	1.398	1.350	1.305	1.348	4.6
Dibenzo(a,h)anthracene		1.037	1.129	1.170	1.135	1.086	1.124	4.6
Benzo(g,h,i)perylene		1.006	1.094	1.131	1.074	1.033	1.084	4.8
1,2,4,5-Tetrachlorobenzene		0.578	0.586	0.604	0.631	0.606	0.608	3.7

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		0.517	0.525	0.536	0.459	0.431	0.478	9.7
2,3,4,6-Tetrachlorophenol		0.327	0.351	0.377	0.417	0.406	0.389	9.8

All other compounds must meet a minimum RRF of 0.010.