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: RMJE02

Lab Code: CHEM Case No.: O5252 SAS No.: O5252 SDG No.: O5252

Instrument ID: BNA_M Calibration Date(s): 10/30/2023 10/30/2023

Calibration Time(s): 11:04 15:18

LAB FILE ID: RRF2.5 = BM042488.D RRF005 = BM042489.D RRF010 = BM042490.D
RRF020 = BM042491.D RRF040 = BM042492.D RRF050 = BM042493.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.147	1.153	1.298	1.240	1.243	1.239	5.4
Benzaldehyde		1.137	1.043	1.068	0.954	0.911	0.980	10.6
Phenol-d6		1.520	1.550	1.786	1.717	1.715	1.700	7.1
Phenol		1.590	1.581	1.811	1.723	1.737	1.726	6.2
bis(2-Chloroethyl)ether		1.403	1.399	1.517	1.439	1.447	1.460	3.5
2-Chlorophenol		1.255	1.216	1.398	1.330	1.349	1.336	5.8
2-Methylphenol		1.102	1.094	1.250	1.232	1.245	1.222	7.6
2,2-oxybis(1-Chloropropane)		2.316	2.191	2.408	2.286	2.292	2.325	3.5
Acetophenone		0.448	0.469	0.517	0.525	0.497	0.504	7.1
3+4-Methylphenols		1.370	1.413	1.687	1.681	1.688	1.634	10.8
n-Nitroso-di-n-propylamine	0.986	1.080	1.102	1.262	1.245	1.271	1.202	10.9
Nitrobenzene-d5		0.365	0.384	0.436	0.453	0.430	0.429	9.5
Hexachloroethane		0.542	0.515	0.594	0.565	0.570	0.572	6.3
Nitrobenzene		0.368	0.380	0.440	0.444	0.420	0.423	8.4
Isophorone		0.668	0.662	0.757	0.805	0.764	0.759	9.6
2-Nitrophenol		0.120	0.132	0.158	0.175	0.167	0.161	16.2
2,4-Dimethylphenol		0.250	0.258	0.299	0.307	0.291	0.291	9.3
bis(2-Chloroethoxy)methane		0.408	0.411	0.471	0.481	0.458	0.457	7.6
2,4-Dichlorophenol		0.235	0.246	0.288	0.310	0.295	0.287	12.1
Naphthalene		0.966	0.958	1.054	1.075	1.007	1.033	5.6
4-Chloroaniline		0.305	0.343	0.402	0.446	0.419	0.403	14.5
Hexachlorobutadiene		0.178	0.171	0.191	0.196	0.189	0.191	7.2
Caprolactam			0.077	0.093	0.108	0.102	0.101	14.0
4-Chloro-3-methylphenol		0.263	0.280	0.323	0.353	0.336	0.327	13.0
2-Methylnaphthalene		0.663	0.654	0.736	0.766	0.719	0.728	7.5
Hexachlorocyclopentadiene			0.225	0.285	0.316	0.311	0.309	16.5
2,4,6-Trichlorophenol		0.309	0.329	0.388	0.408	0.386	0.383	12.5
2-Fluorobiphenyl		1.372	1.363	1.514	1.537	1.454	1.486	6.5
2,4,5-Trichlorophenol		0.384	0.393	0.458	0.485	0.458	0.455	11.2
1,1-Biphenyl		1.411	1.400	1.561	1.602	1.496	1.529	6.4
2-Chloronaphthalene		1.018	1.047	1.148	1.177	1.097	1.122	6.3
2-Nitroaniline		0.252	0.296	0.375	0.444	0.421	0.390	22.4
Dimethylphthalate		1.336	1.355	1.522	1.589	1.472	1.495	7.8
Acenaphthylene		1.626	1.651	1.902	1.977	1.856	1.857	8.8
2,6-Dinitrotoluene		0.248	0.262	0.312	0.334	0.315	0.308	12.7
3-Nitroaniline		0.182	0.216	0.295	0.335	0.322	0.296	24.0

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
Acenaphthene		1.028	1.019	1.150	1.184	1.115	1.127	7.1
2,4-Dinitrophenol			0.101	0.149	0.195	0.187	0.177	25.7
4-Nitrophenol			0.142	0.207	0.250	0.242	0.233	22.5
Dibenzofuran		1.644	1.661	1.868	1.929	1.809	1.833	7.6
2,4-Dinitrotoluene		0.274	0.321	0.407	0.456	0.434	0.408	20.2
Diethylphthalate		1.305	1.327	1.547	1.629	1.519	1.514	9.7
4-Chlorophenyl-phenylether		0.645	0.651	0.751	0.793	0.747	0.749	10.5
Fluorene		1.305	1.336	1.493	1.580	1.472	1.483	8.5
4-Nitroaniline		0.103	0.154	0.238	0.295	0.286	0.247	35.5
4,6-Dinitro-2-methylphenol			0.078	0.105	0.126	0.121	0.117	18.9
n-Nitrosodiphenylamine		0.491	0.505	0.571	0.606	0.564	0.564	8.8
2,4,6-Tribromophenol			0.203	0.251	0.272	0.261	0.261	12.8
4-Bromophenyl-phenylether		0.171	0.174	0.197	0.214	0.199	0.200	11.0
Hexachlorobenzene		0.198	0.197	0.220	0.235	0.219	0.221	8.5
Atrazine		0.146	0.154	0.171	0.173	0.161	0.163	6.0
Pentachlorophenol			0.127	0.151	0.170	0.163	0.163	13.3
Phenanthrene		0.944	0.942	1.047	1.116	1.031	1.045	7.8
Anthracene		0.881	0.893	1.027	1.133	1.042	1.035	11.0
Carbazole		0.666	0.728	0.838	0.975	0.901	0.842	14.6
Di-n-butylphthalate		0.934	1.000	1.183	1.302	1.219	1.183	13.5
Fluoranthene		1.009	1.067	1.216	1.329	1.235	1.228	12.0
Pyrene		1.173	1.149	1.321	1.436	1.428	1.373	12.3
Terphenyl-d14		0.946	0.958	1.143	1.267	1.243	1.180	14.6
Butylbenzylphthalate		0.470	0.472	0.578	0.634	0.625	0.587	14.6
3,3-Dichlorobenzidine		0.330	0.362	0.410	0.438	0.408	0.404	10.9
Benzo(a)anthracene		1.097	1.111	1.258	1.319	1.276	1.273	10.8
Chrysene		1.212	1.205	1.293	1.333	1.265	1.293	5.9
Bis(2-ethylhexyl)phthalate		0.767	0.791	0.895	0.933	0.886	0.886	9.3
Di-n-octyl phthalate		1.376	1.402	1.561	1.577	1.514	1.526	7.0
Benzo(b)fluoranthene		0.920	0.971	1.059	1.163	1.151	1.114	12.4
Benzo(k)fluoranthene		1.162	1.093	1.233	1.237	1.240	1.242	8.3
Benzo(a)pyrene		0.871	0.977	1.095	1.141	1.124	1.097	12.2
Indeno(1,2,3-cd)pyrene		0.989	0.957	1.144	1.243	1.257	1.190	14.3
Dibenzo(a,h)anthracene		0.709	0.755	0.962	1.036	1.020	0.967	18.3
Benzo(g,h,i)perylene		0.896	0.912	1.040	1.065	1.080	1.049	10.8
1,2,4,5-Tetrachlorobenzene		0.539	0.540	0.604	0.616	0.589	0.597	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
1,4-Dioxane		0.585	0.580	0.630	0.585	0.570	0.591	3.3
2,3,4,6-Tetrachlorophenol		0.317	0.334	0.388	0.410	0.385	0.384	11.5

All other compounds must meet a minimum RRF of 0.010.