

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CHEM02
Lab Code: CHEM Case No.: P4676 SAS No.: P4676 SDG No.: P4676
Instrument ID: BNA_G Calibration Date(s): 11/06/2024 11/06/2024
Calibration Time(s): 11:37 15:26

LAB FILE ID:		RRFAL1 = BG063165.D			RRFAL2 = BG063166.D		RRFAL3 = BG063167.D	
		RRFAL4 = BG063168.D			RRFAL5 = BG063169.D		RRFAL6 = BG063170.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
1,4-Dioxane	0.530	0.626	0.617	0.484	0.466		0.545	13.6
Benzaldehyde		1.320	1.355	1.053	0.704	0.555	0.997	36.1
Hexachloroethane	0.483	0.506	0.552	0.502	0.496		0.508	5.2
Nitrobenzene	0.390	0.442	0.449	0.453	0.434		0.434	5.8
Isophorone	0.893	0.910	0.941	0.955	0.876		0.915	3.6
2-Nitrophenol	0.164	0.173	0.187	0.192	0.183		0.180	6.3
2,4-Dimethylphenol	0.339	0.383	0.411	0.419	0.407		0.392	8.2
Bis(2-Chloroethoxy)methane	0.403	0.447	0.464	0.459	0.432		0.441	5.5
2,4-Dichlorophenol	0.297	0.308	0.350	0.367	0.359		0.336	9.5
Naphthalene	0.983	1.029	1.057	1.048	0.999		1.023	3.1
4-Chloroaniline		0.423	0.444	0.470	0.451	0.435	0.445	4.0
Hexachlorobutadiene	0.304	0.324	0.327	0.334	0.320		0.322	3.4
Phenol		1.806	1.990	1.960	1.997	2.080	1.967	5.1
Caprolactam		0.148	0.147	0.144	0.133	0.126	0.140	6.9
4-Chloro-3-methylphenol	0.373	0.386	0.425	0.424	0.408		0.403	5.8
2-Methylnaphthalene	0.757	0.811	0.842	0.838	0.808		0.811	4.2
Hexachlorocyclopentadiene		0.307	0.358	0.382	0.417	0.461	0.385	15.2
2,4,6-Trichlorophenol	0.333	0.355	0.396	0.405	0.414		0.381	9.2
2,4,5-Trichlorophenol	0.372	0.369	0.430	0.441	0.451		0.413	9.5
1,1-Biphenyl	1.222	1.278	1.296	1.291	1.252		1.268	2.4
2-Chloronaphthalene	0.960	0.998	0.996	0.993	0.988		0.987	1.6
2-Nitroaniline	0.307	0.322	0.342	0.353	0.359		0.337	6.5
Bis(2-Chloroethyl)ether		1.362	1.392	1.328	1.289	1.316	1.338	3.0
Dimethylphthalate	1.567	1.561	1.518	1.467	1.399		1.502	4.7
2,6-Dinitrotoluene	0.263	0.276	0.296	0.304	0.298		0.287	6.0
Acenaphthylene	1.468	1.557	1.565	1.547	1.501		1.527	2.7
3-Nitroaniline		0.272	0.284	0.266	0.231	0.202	0.251	13.5
Acenaphthene	1.015	1.128	1.125	1.119	1.079		1.093	4.4
2,4-Dinitrophenol		0.206	0.138	0.184	0.201	0.218	0.190	16.4
4-Nitrophenol		0.227	0.286	0.297	0.294	0.290	0.279	10.5
Dibenzofuran	1.644	1.699	1.711	1.689	1.623		1.674	2.3
2,4-Dinitrotoluene	0.427	0.465	0.461	0.465	0.456		0.455	3.5
Diethylphthalate	1.584	1.608	1.589	1.502	1.417		1.540	5.2
2-Chlorophenol	1.138	1.215	1.287	1.301	1.324		1.253	6.1

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

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		RRFAL4 = BG063168.D			RRFAL5 = BG063169.D		RRFAL6 = BG063170.D	
COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Fluorene	1.382	1.421	1.464	1.418	1.398		1.416	2.2
4-Chlorophenyl-phenylether	0.850	0.927	0.946	0.917	0.912		0.910	4.0
4-Nitroaniline		0.277	0.302	0.257	0.225	0.208	0.254	15.0
4,6-Dinitro-2-methylphenol		0.108	0.130	0.136	0.137	0.142	0.130	10.3
N-Nitrosodiphenylamine	0.414	0.445	0.462	0.461	0.450		0.446	4.4
1,2,4,5-Tetrachlorobenzene	0.657	0.717	0.709	0.718	0.723		0.705	3.8
4-Bromophenyl-phenylether	0.213	0.218	0.234	0.243	0.235		0.229	5.5
Hexachlorobenzene	0.244	0.236	0.246	0.242	0.250		0.244	2.1
Atrazine		0.248	0.255	0.245	0.241	0.231	0.244	3.6
Pentachlorophenol		0.137	0.093	0.111	0.125	0.144	0.122	16.7
2-Methylphenol		1.325	1.467	1.430	1.443	1.517	1.437	4.9
Phenanthrene	0.888	0.916	0.953	0.929	0.882		0.914	3.2
Anthracene	0.922	0.942	0.974	0.953	0.889		0.936	3.4
Carbazole		0.807	0.849	0.801	0.749	0.679	0.777	8.4
Di-n-butylphthalate	0.883	0.895	0.938	0.890	0.815		0.884	5.0
Fluoranthene	1.039	1.095	1.138	1.127	1.021		1.084	4.8
Pyrene	1.150	1.153	1.203	1.192	1.046		1.149	5.4
Butylbenzylphthalate	0.307	0.327	0.340	0.360	0.344		0.336	6.0
3,3-Dichlorobenzidine		0.460	0.474	0.452	0.409	0.355	0.430	11.3
2,2-oxybis(1-Chloropropane)		1.659	1.752	1.691	1.676	1.674	1.691	2.1
Benzo(a)anthracene	1.224	1.290	1.333	1.295	1.183		1.265	4.8
Chrysene	1.148	1.207	1.234	1.202	1.107		1.179	4.3
Bis(2-ethylhexyl)phthalate	0.451	0.476	0.504	0.517	0.496		0.489	5.3
Di-n-octyl phthalate		0.776	0.832	0.819	0.801	0.713	0.788	6.0
Benzo(b)fluoranthene	1.115	1.198	1.269	1.249	1.186		1.203	5.0
Benzo(k)fluoranthene	1.188	1.196	1.236	1.192	1.181		1.199	1.8
Benzo(a)pyrene	1.066	1.111	1.152	1.132	1.104		1.113	2.9
Indeno(1,2,3-cd)pyrene	1.299	1.334	1.397	1.390	1.407		1.365	3.4
Dibenzo(a,h)anthracene	1.050	1.121	1.115	1.148	1.133		1.113	3.4
Benzo(g,h,i)perylene	0.977	1.013	1.074	1.057	1.055		1.035	3.8
Acetophenone		2.288	2.612	2.525	2.439	2.451	2.463	4.9
2,3,4,6-Tetrachlorophenol	0.339	0.429	0.443	0.453	0.473		0.427	12.2
1,4-Dioxane-d8	0.372	0.465	0.484	0.473	0.418		0.442	10.6
Pyridine-d5		1.360	1.527	1.442	1.479	1.502	1.462	4.5
Phenol-d5		1.608	1.867	1.776	1.853	1.920	1.805	6.7

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COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRFAL6	RRF	% RSD
Bis-(2-Chloroethyl) ether-d8		1.048	1.074	1.059	1.051	1.062	1.059	1.0
2-Chlorophenol-d4	0.991	1.137	1.265	1.231	1.233		1.171	9.5
4-Methylphenol-d8		1.444	1.523	1.534	1.532	1.615	1.530	4.0
Nitrobenzene-d5	0.126	0.143	0.143	0.147	0.145		0.141	6.1
2-Nitrophenol-d4	0.164	0.185	0.182	0.191	0.186		0.182	5.7
2,4-Dichlorophenol-d3	0.306	0.353	0.357	0.384	0.383		0.357	8.9
4-Chloroaniline-d4		0.437	0.465	0.492	0.478	0.450	0.465	4.7
4-Methylphenol		1.581	1.598	1.630	1.655	1.704	1.634	3.0
Dimethylphthalate-d6	1.568	1.635	1.617	1.537	1.476		1.567	4.1
Acenaphthylene-d8	1.457	1.551	1.561	1.576	1.521		1.533	3.1
4-Nitrophenol-d4		0.200	0.212	0.223	0.224	0.214	0.214	4.5
Fluorene-d10	1.263	1.341	1.363	1.342	1.302		1.322	3.0
4,6-Dinitro-2-methylphenol		0.115	0.122	0.128	0.130	0.134	0.126	6.0
Anthracene-d10	0.853	0.848	0.892	0.874	0.831		0.860	2.8
Pyrene-d10	0.963	1.020	1.037	1.039	0.955		1.003	4.0
Benzo(a)pyrene-d12	0.935	0.947	0.989	0.980	0.977		0.966	2.4
N-Nitroso-di-n-propylamine	1.248	1.484	1.518	1.488	1.446		1.437	7.6

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