

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG No.: Q2664

Instrument ID: BNA_M

Calibration Date(s): 07/08/2025 07/08/2025

Calibration Time(s): 12:39 17:22

LAB FILE ID:		RRF2.5 = BM050377.D			RRF005 = BM050378.D		RRF010 = BM050379.D	
		RRF020 = BM050380.D			RRF040 = BM050381.D		RRF050 = BM050382.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.126	1.079	1.149	1.152	1.258	1.162	4.9
Benzaldehyde			0.944	0.985	0.897	0.837	0.871	13.0
Phenol-d6		1.367	1.327	1.441	1.466	1.607	1.465	6.7
bis(2-Chloroethyl)ether		1.202	1.134	1.223	1.196	1.324	1.223	4.9
2,2-oxybis(1-Chloropropane)		1.835	1.741	1.818	1.752	1.907	1.802	3.4
Acetophenone		0.493	0.479	0.501	0.491	0.534	0.500	3.7
n-Nitroso-di-n-propylamine	0.790	0.805	0.808	0.888	0.911	1.005	0.887	9.0
Nitrobenzene-d5		0.362	0.355	0.390	0.392	0.429	0.392	6.8
Hexachloroethane		0.518	0.501	0.532	0.520	0.574	0.535	4.7
Nitrobenzene		0.333	0.329	0.353	0.345	0.377	0.350	4.7
Isophorone		0.571	0.574	0.634	0.640	0.702	0.636	7.7
bis(2-Chloroethoxy)methane		0.407	0.395	0.422	0.417	0.454	0.422	4.6
Naphthalene		1.033	0.975	1.024	0.988	1.071	1.016	3.3
4-Chloroaniline		0.398	0.397	0.427	0.429	0.465	0.429	6.0
Hexachlorobutadiene		0.222	0.209	0.222	0.221	0.244	0.228	5.4
Caprolactam			0.064	0.081	0.087	0.096	0.085	13.9
2-Methylnaphthalene		0.611	0.595	0.638	0.635	0.693	0.641	5.2
Hexachlorocyclopentadiene			0.320	0.361	0.396	0.450	0.407	14.1
2-Fluorobiphenyl		1.572	1.538	1.611	1.592	1.753	1.620	4.7
1,1-Biphenyl		1.464	1.419	1.479	1.441	1.586	1.484	3.8
2-Chloronaphthalene		1.164	1.126	1.187	1.150	1.267	1.183	3.9
2-Nitroaniline		0.197	0.211	0.253	0.278	0.312	0.264	17.2
Dimethylphthalate		1.323	1.285	1.368	1.351	1.506	1.377	5.3
Acenaphthylene		1.645	1.658	1.795	1.775	1.956	1.788	6.2
2,6-Dinitrotoluene		0.196	0.224	0.263	0.273	0.308	0.264	15.4
3-Nitroaniline		0.204	0.231	0.278	0.294	0.330	0.281	16.8
Acenaphthene		1.086	1.050	1.126	1.111	1.231	1.137	5.5
Dibenzofuran		1.747	1.674	1.756	1.709	1.880	1.751	3.8
2,4-Dinitrotoluene		0.234	0.277	0.340	0.371	0.422	0.350	20.3
Diethylphthalate		1.217	1.210	1.319	1.309	1.454	1.315	6.5
4-Chlorophenyl-phenylether		0.687	0.673	0.733	0.747	0.839	0.754	8.3
Fluorene		1.348	1.328	1.428	1.419	1.582	1.443	6.3
4-Nitroaniline		0.192	0.228	0.284	0.311	0.350	0.288	20.1
n-Nitrosodiphenylamine		0.572	0.577	0.620	0.623	0.678	0.626	6.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

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COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,4,6-Tribromophenol		0.182	0.195	0.230	0.248	0.285	0.243	17.4
4-Bromophenyl-phenylether		0.196	0.194	0.211	0.218	0.242	0.220	9.6
Hexachlorobenzene		0.239	0.233	0.253	0.256	0.283	0.260	7.8
Atrazine		0.166	0.175	0.199	0.211	0.232	0.206	13.0
Phenanthrene		1.119	1.070	1.119	1.101	1.206	1.132	3.9
Anthracene		1.028	1.017	1.109	1.117	1.233	1.127	7.4
Carbazole		0.939	0.944	1.009	1.010	1.108	1.019	6.2
Di-n-butylphthalate		0.954	0.961	1.091	1.140	1.252	1.116	10.8
Fluoranthene		1.088	1.079	1.182	1.233	1.366	1.230	9.7
Pyrene		1.198	1.177	1.260	1.260	1.388	1.281	6.3
Terphenyl-d14		1.095	1.110	1.225	1.258	1.298	1.137	12.4
Butylbenzylphthalate		0.317	0.334	0.401	0.441	0.492	0.422	17.4
3,3-Dichlorobenzidine			0.351	0.406	0.429	0.498	0.439	12.7
Benzo (a) anthracene		1.204	1.202	1.282	1.282	1.428	1.303	6.6
Chrysene		1.162	1.153	1.200	1.209	1.327	1.229	5.4
Bis (2-ethylhexyl) phthalate		0.499	0.546	0.658	0.705	0.780	0.670	16.3
Di-n-octyl phthalate			0.742	0.931	1.058	1.193	1.050	17.4
Benzo (b) fluoranthene		1.090	1.075	1.177	1.230	1.368	1.230	9.8
Benzo (k) fluoranthene		1.105	1.138	1.247	1.263	1.444	1.276	9.9
Benzo (a) pyrene		0.962	0.985	1.099	1.156	1.314	1.152	12.4
Indeno (1,2,3-cd) pyrene		1.208	1.238	1.374	1.415	1.603	1.422	11.2
Dibenzo (a,h) anthracene		1.022	1.035	1.159	1.193	1.352	1.198	11.2
Benzo (g,h,i) perylene		0.992	1.001	1.097	1.121	1.264	1.132	9.7
1,2,4,5-Tetrachlorobenzene		0.590	0.569	0.611	0.622	0.700	0.636	7.9
1,4-Dioxane		0.504	0.466	0.482	0.460	0.501	0.478	4.0

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