284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: ARDM01

Lab Code: ACE SDG No.: Q2811

Instrument ID: BNA_F Calibration Date(s): 08/15/2025 08/15/2025

Calibration Time(s): 14:29 17:57

LAB FILE ID: RRF2.5 = BF143416.D RRF005 = BF143417.D RRF010 = BF143418.D
RRF020 = BF143419.D RRF040 = BF143420.D RRF050 = BF143421.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine			0.641	0.669	0.680	0.674	0.675	2.9
2-Fluorophenol		1.192	1.169	1.228	1.147	1.101	1.151	4.6
Phenol-d6		1.573	1.494	1.536	1.414	1.383	1.450	5.9
Phenol		1.785	1.746	1.821	1.698	1.623	1.692	6.3
bis(2-Chloroethyl)ether		1.326	1.264	1.308	1.236	1.207	1.254	3.8
2-Chlorophenol		1.322	1.290	1.348	1.252	1.210	1.270	4.1
2,2-oxybis(1-Chloropropane)		2.414	2.259	2.291	2.096	2.014	2.144	8.7
n-Nitroso-di-n-propylamine	0.964	0.986	0.939	0.942	0.863	0.831	0.898	7.6
Nitrobenzene-d5		0.350	0.333	0.352	0.339	0.330	0.337	3.6
Hexachloroethane		0.514	0.484	0.513	0.478	0.461	0.484	4.7
Nitrobenzene		0.359	0.347	0.372	0.357	0.345	0.352	3.6
Isophorone		0.693	0.642	0.671	0.634	0.615	0.645	4.4
2-Nitrophenol		0.141	0.149	0.170	0.170	0.170	0.163	8.0
2,4-Dimethylphenol		0.296	0.286	0.301	0.270	0.262	0.276	6.8
bis(2-Chloroethoxy)methane		0.441	0.404	0.413	0.390	0.374	0.397	6.6
2,4-Dichlorophenol		0.292	0.281	0.301	0.281	0.271	0.281	4.7
1,2,4-Trichlorobenzene		0.318	0.298	0.304	0.283	0.274	0.288	6.8
Naphthalene		1.067	0.987	1.013	0.941	0.891	0.950	8.4
Hexachlorobutadiene		0.200	0.185	0.192	0.184	0.174	0.184	5.5
4-Chloro-3-methylphenol		0.308	0.290	0.301	0.288	0.282	0.290	4.7
Hexachlorocyclopentadiene			0.089	0.140	0.179	0.192	0.167	27.1
2,4,6-Trichlorophenol		0.345	0.341	0.363	0.353	0.341	0.348	2.6
2-Fluorobiphenyl		1.445	1.340	1.291	1.132	1.074	1.189	14.5
2-Chloronaphthalene		1.225	1.174	1.179	1.083	1.049	1.109	7.6
Dimethylphthalate		1.371	1.293	1.305	1.210	1.179	1.247	6.6
Acenaphthylene		1.765	1.680	1.705	1.573	1.519	1.602	7.6
2,6-Dinitrotoluene		0.223	0.225	0.258	0.252	0.250	0.246	6.4
Acenaphthene		1.202	1.126	1.143	1.043	1.019	1.077	7.9
2,4-Dinitrophenol			0.059	0.087	0.096	0.102	0.097	22.8
4-Nitrophenol			0.131	0.170	0.179	0.178	0.172	12.6
2,4-Dinitrotoluene		0.293	0.308	0.347	0.334	0.328	0.328	7.1
Diethylphthalate		1.308	1.233	1.217	1.108	1.055	1.152	9.5
4-Chlorophenyl-phenylether		0.669	0.633	0.622	0.574	0.551	0.590	9.3
Fluorene		1.415	1.318	1.287	1.133	1.080	1.194	12.6

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: ARDM01

Lab Code: ACE SDG No.: Q2811

Instrument ID: BNA_F Calibration Date(s): 08/15/2025 08/15/2025

Calibration Time(s): 14:29 17:57

LAB FILE ID: RRF2.5 = BF143416.D RRF005 = BF143417.D RRF010 = BF143418.D
RRF020 = BF143419.D RRF040 = BF143420.D RRF050 = BF143421.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
4,6-Dinitro-2-methylphenol			0.073	0.096	0.107	0.107	0.103	16.3
n-Nitrosodiphenylamine		0.707	0.667	0.676	0.645	0.624	0.650	5.4
Azobenzene		1.301	1.211	1.229	1.137	1.094	1.165	7.9
2,4,6-Tribromophenol		0.184	0.176	0.186	0.177	0.171	0.178	4.2
4-Bromophenyl-phenylether		0.248	0.234	0.243	0.236	0.232	0.236	2.9
Hexachlorobenzene		0.276	0.252	0.259	0.244	0.242	0.251	5.1
Pentachlorophenol			0.077	0.106	0.114	0.117	0.110	15.8
Phenanthrene		1.238	1.155	1.132	1.060	1.008	1.083	9.0
Anthracene		1.236	1.159	1.166	1.065	1.024	1.094	8.8
Di-n-butylphthalate		0.965	0.959	0.970	0.892	0.851	0.921	6.5
Fluoranthene		1.128	1.083	1.026	0.893	0.844	0.962	12.7
Benzidine			0.637	0.749	0.567	0.492	0.597	16.7
Pyrene		1.958	1.822	1.950	1.698	1.596	1.738	12.6
Terphenyl-d14		1.415	1.276	1.329	1.147	1.057	1.191	14.6
Butylbenzylphthalate		0.352	0.372	0.446	0.459	0.450	0.431	11.4
3,3-Dichlorobenzidine			0.304	0.382	0.393	0.386	0.373	9.1
Benzo(a)anthracene		1.312	1.276	1.318	1.254	1.212	1.273	3.9
Chrysene		1.240	1.186	1.240	1.194	1.156	1.177	4.7
Bis(2-ethylhexyl)phthalate		0.500	0.492	0.624	0.668	0.685	0.611	13.2
Di-n-octyl phthalate			0.919	1.209	1.330	1.379	1.240	13.5
Benzo(b)fluoranthene		1.147	1.002	1.158	1.090	1.030	1.072	5.7
Benzo(k)fluoranthene		1.084	1.161	1.022	1.052	1.022	1.057	5.6
Benzo(a)pyrene		1.005	1.017	1.054	1.043	1.009	1.021	2.7
Indeno(1,2,3-cd)pyrene		1.559	1.533	1.569	1.495	1.465	1.500	4.4
Dibenzo(a,h)anthracene		1.227	1.253	1.275	1.203	1.169	1.204	4.9
Benzo(g,h,i)perylene		1.236	1.219	1.257	1.207	1.179	1.203	3.9

All other compounds must meet a minimum RRF of 0.010.