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.: Q2585

Instrument ID: BNA_F Calibration Date(s): 07/17/2025 07/17/2025

Calibration Time(s): 11:04 14:34

LAB FILE ID: RRF2.5 = BF143140.D RRF005 = BF143141.D RRF010 = BF143142.D
RRF020 = BF143143.D RRF040 = BF143144.D RRF050 = BF143145.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine			0.776	0.799	0.810	0.851	0.801	3.7
2-Fluorophenol		1.385	1.313	1.319	1.231	1.284	1.264	7.0
Phenol-d6		1.733	1.640	1.657	1.554	1.632	1.591	6.7
Phenol		1.882	1.767	1.776	1.711	1.788	1.733	6.4
bis(2-Chloroethyl)ether		1.419	1.343	1.379	1.303	1.361	1.327	5.4
2-Chlorophenol		1.391	1.343	1.371	1.310	1.369	1.325	4.9
2,2-oxybis(1-Chloropropane)		2.670	2.553	2.545	2.421	2.517	2.461	6.5
n-Nitroso-di-n-propylamine	1.101	1.111	1.051	1.028	0.986	1.023	1.021	6.8
Nitrobenzene-d5		0.407	0.394	0.417	0.399	0.417	0.401	3.5
Hexachloroethane		0.522	0.498	0.522	0.495	0.525	0.502	4.7
Nitrobenzene		0.380	0.370	0.388	0.375	0.388	0.374	3.9
Isophorone		0.748	0.707	0.711	0.692	0.734	0.708	3.8
2-Nitrophenol		0.133	0.141	0.164	0.172	0.182	0.162	11.2
2,4-Dimethylphenol		0.356	0.340	0.341	0.324	0.338	0.331	5.7
bis(2-Chloroethoxy)methane		0.463	0.437	0.442	0.413	0.430	0.425	6.3
2,4-Dichlorophenol		0.292	0.282	0.287	0.276	0.289	0.279	4.4
1,2,4-Trichlorobenzene		0.329	0.307	0.318	0.294	0.303	0.302	6.4
Naphthalene		1.118	1.038	1.032	0.954	0.986	0.985	8.9
Hexachlorobutadiene		0.193	0.190	0.191	0.181	0.188	0.184	4.6
4-Chloro-3-methylphenol		0.319	0.310	0.307	0.301	0.311	0.303	4.0
Hexachlorocyclopentadiene			0.337	0.373	0.373	0.404	0.376	6.1
2,4,6-Trichlorophenol		0.391	0.406	0.412	0.384	0.429	0.400	4.6
2-Fluorobiphenyl		1.761	1.644	1.547	1.358	1.414	1.462	13.6
2-Chloronaphthalene		1.268	1.223	1.192	1.103	1.166	1.155	7.1
Dimethylphthalate		1.422	1.340	1.340	1.279	1.325	1.304	6.2
Acenaphthylene		2.134	2.052	2.011	1.860	1.958	1.935	7.7
2,6-Dinitrotoluene		0.225	0.250	0.272	0.278	0.289	0.265	8.1
Acenaphthene		1.278	1.194	1.184	1.096	1.155	1.144	7.5
2,4-Dinitrophenol			0.051	0.081	0.104	0.116	0.098	28.0
4-Nitrophenol			0.200	0.228	0.246	0.250	0.232	7.7
2,4-Dinitrotoluene		0.269	0.296	0.342	0.354	0.372	0.333	11.0
Diethylphthalate		1.377	1.322	1.335	1.269	1.329	1.289	5.8
4-Chlorophenyl-phenylether		0.710	0.670	0.657	0.612	0.633	0.635	7.9
Fluorene		1.480	1.402	1.322	1.212	1.257	1.274	10.8

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.: Q2585

Instrument ID: BNA_F Calibration Date(s): 07/17/2025 07/17/2025

Calibration Time(s): 11:04 14:34

LAB FILE ID: RRF2.5 = BF143140.D RRF005 = BF143141.D RRF010 = BF143142.D
RRF020 = BF143143.D RRF040 = BF143144.D RRF050 = BF143145.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
4,6-Dinitro-2-methylphenol			0.054	0.087	0.097	0.110	0.094	22.9
n-Nitrosodiphenylamine		0.761	0.728	0.721	0.674	0.726	0.704	6.0
Azobenzene		1.452	1.401	1.389	1.320	1.364	1.343	6.4
2,4,6-Tribromophenol		0.200	0.202	0.212	0.210	0.218	0.207	3.5
4-Bromophenyl-phenylether		0.252	0.238	0.241	0.228	0.247	0.238	4.3
Hexachlorobenzene		0.269	0.248	0.252	0.239	0.258	0.249	4.8
Pentachlorophenol			0.119	0.146	0.148	0.160	0.147	9.7
Phenanthrene		1.191	1.100	1.117	1.020	1.069	1.062	8.0
Anthracene		1.184	1.136	1.134	1.038	1.095	1.083	7.1
Di-n-butylphthalate		1.076	1.054	1.129	1.074	1.119	1.070	4.4
Fluoranthene		1.085	0.987	1.018	0.953	0.979	0.975	6.9
Benzidine			0.758	0.844	0.953	0.697	0.771	17.5
Pyrene		1.909	1.783	1.783	1.715	1.740	1.707	8.7
Terphenyl-d14		1.567	1.456	1.419	1.311	1.342	1.344	11.4
Butylbenzylphthalate		0.438	0.472	0.536	0.544	0.582	0.523	9.6
3,3-Dichlorobenzidine			0.437	0.495	0.429	0.476	0.446	7.6
Benzo(a)anthracene		1.374	1.367	1.381	1.282	1.422	1.339	4.9
Chrysene		1.282	1.174	1.247	1.206	1.218	1.204	4.3
Bis(2-ethylhexyl)phthalate		0.691	0.755	0.824	0.789	0.862	0.791	7.0
Di-n-octyl phthalate			1.274	1.428	1.384	1.550	1.434	6.8
Benzo(b)fluoranthene		1.231	1.136	1.287	1.147	1.352	1.222	6.3
Benzo(k)fluoranthene		1.168	1.152	1.093	1.134	1.069	1.090	7.1
Benzo(a)pyrene		1.129	1.102	1.147	1.121	1.192	1.126	3.4
Indeno(1,2,3-cd)pyrene		1.424	1.336	1.430	1.413	1.505	1.410	3.9
Dibenzo(a,h)anthracene		1.159	1.103	1.179	1.147	1.221	1.148	3.9
Benzo(g,h,i)perylene		1.100	1.047	1.140	1.109	1.196	1.110	4.4

All other compounds must meet a minimum RRF of 0.010.