284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: ARDM01

Lab Code: ACE SDG No.: Q3098

Instrument ID: BNA_P Calibration Date(s): 09/11/2025 09/11/2025

Calibration Time(s): 08:56 15:20

LAB FILE ID: RRF2.5 = BP025725.D RRF005 = BP025726.D RRF010 = BP025727.D
RRF020 = BP025728.D RRF040 = BP025729.D RRF060 = BP025731.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF060	RRF	% RSD
n-Nitrosodimethylamine			0.639	0.715	0.721	0.652	0.676	5.3
2-Fluorophenol		1.139	1.123	1.320	1.362	1.238	1.240	7.2
Phenol-d6		1.391	1.460	1.793	1.861	1.658	1.648	10.3
Phenol		1.512	1.525	1.848	1.964	1.751	1.737	9.6
bis(2-Chloroethyl)ether		1.313	1.222	1.508	1.555	1.368	1.396	8.2
2-Chlorophenol		1.229	1.196	1.448	1.508	1.366	1.360	8.3
2,2-oxybis(1-Chloropropane)		2.241	2.133	2.476	2.493	2.164	2.283	6.5
n-Nitroso-di-n-propylamine	0.961	1.032	1.047	1.300	1.320	1.151	1.149	11.3
Nitrobenzene-d5		0.416	0.410	0.490	0.496	0.455	0.453	7.4
Hexachloroethane		0.603	0.557	0.633	0.647	0.588	0.602	5.2
Nitrobenzene		0.366	0.363	0.440	0.449	0.411	0.407	8.2
Isophorone		0.737	0.726	0.862	0.860	0.791	0.797	6.8
2-Nitrophenol		0.141	0.154	0.190	0.203	0.192	0.181	12.9
2,4-Dimethylphenol		0.263	0.286	0.345	0.356	0.320	0.317	10.2
bis(2-Chloroethoxy)methane		0.414	0.423	0.510	0.498	0.452	0.461	7.8
2,4-Dichlorophenol		0.267	0.270	0.339	0.349	0.327	0.316	10.7
1,2,4-Trichlorobenzene		0.355	0.335	0.377	0.378	0.346	0.356	4.6
Naphthalene		1.072	1.028	1.164	1.147	1.044	1.078	5.4
Hexachlorobutadiene		0.226	0.219	0.247	0.242	0.226	0.229	5.0
4-Chloro-3-methylphenol		0.328	0.338	0.406	0.414	0.377	0.377	8.7
Hexachlorocyclopentadiene			0.225	0.326	0.380	0.347	0.330	16.4
2,4,6-Trichlorophenol		0.340	0.354	0.435	0.445	0.409	0.398	9.9
2-Fluorobiphenyl		1.563	1.470	1.655	1.596	1.434	1.502	7.5
2-Chloronaphthalene		1.140	1.090	1.252	1.240	1.132	1.156	6.0
Dimethylphthalate		1.545	1.433	1.682	1.659	1.446	1.527	7.0
Acenaphthylene		1.877	1.791	2.095	2.058	1.871	1.915	6.1
2,6-Dinitrotoluene		0.286	0.291	0.353	0.358	0.330	0.324	8.6
Acenaphthene		1.129	1.052	1.207	1.195	1.055	1.104	6.8
2,4-Dinitrophenol			0.108	0.173	0.209	0.201	0.183	21.4
4-Nitrophenol			0.148	0.255	0.307	0.280	0.258	22.0
2,4-Dinitrotoluene		0.382	0.398	0.501	0.521	0.471	0.460	11.3
Diethylphthalate		1.573	1.472	1.697	1.644	1.473	1.549	6.0
4-Chlorophenyl-phenylether		0.755	0.699	0.791	0.769	0.681	0.721	7.1
Fluorene		1.485	1.382	1.579	1.546	1.350	1.431	7.5

All other compounds must meet a minimum RRF of 0.010.

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COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF060	RRF	% RSD
4,6-Dinitro-2-methylphenol			0.093	0.135	0.151	0.137	0.133	15.1
n-Nitrosodiphenylamine		0.597	0.573	0.681	0.664	0.594	0.612	7.9
Azobenzene		1.421	1.383	1.648	1.643	1.468	1.498	7.3
2,4,6-Tribromophenol		0.227	0.227	0.270	0.277	0.249	0.249	7.7
4-Bromophenyl-phenylether		0.213	0.202	0.240	0.238	0.213	0.220	6.8
Hexachlorobenzene		0.243	0.230	0.266	0.261	0.236	0.245	5.8
Pentachlorophenol			0.132	0.168	0.179	0.161	0.162	9.8
Phenanthrene		1.163	1.095	1.247	1.213	1.065	1.135	7.0
Anthracene		1.120	1.086	1.280	1.237	1.107	1.151	7.4
Di-n-butylphthalate		1.232	1.213	1.468	1.438	1.281	1.313	8.0
Fluoranthene		1.387	1.294	1.511	1.447	1.293	1.361	7.0
Benzidine			0.523	0.537	0.653	0.578	0.576	9.5
Pyrene		1.307	1.243	1.444	1.430	1.308	1.335	5.7
Terphenyl-d14		1.133	1.093	1.198	1.177	1.054	1.112	5.8
Butylbenzylphthalate		0.519	0.511	0.636	0.647	0.587	0.585	9.0
3,3-Dichlorobenzidine			0.425	0.499	0.518	0.468	0.473	7.4
Benzo(a)anthracene		1.346	1.302	1.471	1.453	1.330	1.369	5.0
Chrysene		1.316	1.253	1.397	1.375	1.268	1.305	5.1
Bis(2-ethylhexyl)phthalate		0.800	0.781	0.930	0.945	0.857	0.856	7.3
Di-n-octyl phthalate			1.315	1.604	1.670	1.513	1.523	7.9
Benzo(b)fluoranthene		1.124	1.145	1.304	1.336	1.216	1.223	6.5
Benzo(k)fluoranthene		1.228	1.170	1.367	1.341	1.220	1.248	6.5
Benzo(a)pyrene		1.131	1.100	1.276	1.307	1.208	1.198	6.5
Indeno(1,2,3-cd)pyrene		1.340	1.334	1.533	1.596	1.485	1.454	7.0
Dibenzo(a,h)anthracene		1.116	1.075	1.254	1.297	1.208	1.190	6.8
Benzo(g,h,i)perylene		1.090	1.078	1.225	1.267	1.197	1.171	6.2

All other compounds must meet a minimum RRF of 0.010.