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: ALLI03

Lab Code: ACE SDG No.: Q3015

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
Pyridine		1.376	1.317	1.526	1.566	1.400	1.432	6.2
2-Fluorophenol		1.139	1.123	1.320	1.362	1.238	1.240	7.2
Aniline		1.980	1.981	2.462	2.509	2.265	2.262	9.4
Phenol-d6		1.391	1.460	1.793	1.861	1.658	1.648	10.3
bis(2-Chloroethyl)ether		1.313	1.222	1.508	1.555	1.368	1.396	8.2
1,2-Dichlorobenzene		1.529	1.432	1.634	1.653	1.485	1.531	5.6
1,3-Dichlorobenzene		1.550	1.447	1.662	1.674	1.489	1.548	5.9
1,4-Dichlorobenzene		1.550	1.475	1.698	1.690	1.539	1.576	5.6
Benzyl Alcohol			1.092	1.425	1.510	1.350	1.361	10.5
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
bis(2-Chloroethoxy)methane		0.414	0.423	0.510	0.498	0.452	0.461	7.8
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
4-Chloroaniline		0.343	0.391	0.489	0.510	0.465	0.449	13.3
Hexachlorobutadiene		0.226	0.219	0.247	0.242	0.226	0.229	5.0
2-Methylnaphthalene		0.662	0.639	0.758	0.747	0.677	0.693	6.5
Hexachlorocyclopentadiene			0.225	0.326	0.380	0.347	0.330	16.4
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
2-Nitroaniline		0.309	0.332	0.416	0.439	0.402	0.385	12.1
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
3-Nitroaniline		0.266	0.282	0.370	0.394	0.357	0.340	13.9
Acenaphthene		1.129	1.052	1.207	1.195	1.055	1.104	6.8
Dibenzofuran		1.834	1.754	1.967	1.922	1.719	1.800	6.4
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

All other compounds must meet a minimum RRF of 0.010.

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LAB FILE ID: RRF2.5 = BP025725.D RRF005 = BP025726.D RRF010 = BP025727.D
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COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF060	RRF	% RSD
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
4-Nitroaniline		0.258	0.281	0.381	0.404	0.376	0.349	15.9
n-Nitrosodiphenylamine		0.597	0.573	0.681	0.664	0.594	0.612	7.9
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
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
Carbazole		0.994	0.998	1.185	1.173	1.038	1.070	7.8
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
1,2,4,5-Tetrachlorobenzene		0.590	0.561	0.653	0.660	0.604	0.606	6.3
1,4-Dioxane		0.565	0.497	0.558	0.546	0.493	0.520	7.0
1-Methylnaphthalene		0.726	0.691	0.807	0.800	0.713	0.739	6.3

All other compounds must meet a minimum RRF of 0.010.