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.: Q3483

Instrument ID: BNA_G Calibration Date(s): 11/12/2025 11/12/2025

Calibration Time(s): 11:17 16:04

LAB FILE ID: RRF2.5 = BG064745.D RRF005 = BG064746.D RRF010 = BG064747.D
RRF020 = BG064748.D RRF040 = BG064749.D RRF050 = BG064750.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine			0.657	0.664	0.687	0.690	0.672	2.0
Pyridine		1.269	1.297	1.315	1.365	1.355	1.321	2.6
2-Fluorophenol		1.084	1.128	1.165	1.170	1.181	1.145	2.9
Benzaldehyde			1.027	0.980	1.029	0.949	0.997	3.0
Aniline		1.783	2.001	2.105	2.109	2.125	2.030	5.8
Phenol-d6		1.388	1.466	1.539	1.580	1.616	1.523	5.0
Phenol		1.501	1.584	1.666	1.711	1.774	1.657	5.4
bis(2-Chloroethyl)ether		1.093	1.141	1.224	1.234	1.224	1.179	4.4
2-Chlorophenol		1.208	1.221	1.268	1.303	1.318	1.258	3.4
1,2-Dichlorobenzene		1.416	1.371	1.444	1.475	1.447	1.429	2.3
1,3-Dichlorobenzene		1.410	1.423	1.487	1.492	1.467	1.447	2.4
1,4-Dichlorobenzene		1.434	1.461	1.529	1.501	1.485	1.474	2.3
Benzyl Alcohol			1.055	1.229	1.305	1.338	1.250	8.2
2-Methylphenol		1.072	1.149	1.196	1.218	1.234	1.173	4.6
2,2-oxybis(1-Chloropropane)		2.713	2.796	2.959	2.834	2.861	2.792	3.6
Acetophenone		0.465	0.536	0.581	0.561	0.555	0.545	7.0
3+4-Methylphenols			1.480	1.628	1.649	1.670	1.607	4.1
n-Nitroso-di-n-propylamine	0.924	0.875	1.015	1.116	1.097	1.138	1.030	8.9
Nitrobenzene-d5		0.371	0.378	0.410	0.414	0.416	0.405	5.5
Hexachloroethane		0.584	0.549	0.572	0.563	0.550	0.558	2.8
Nitrobenzene		0.353	0.398	0.431	0.415	0.417	0.409	6.6
Isophorone		0.723	0.760	0.796	0.767	0.785	0.770	3.1
2-Nitrophenol		0.133	0.175	0.189	0.193	0.194	0.184	13.1
2,4-Dimethylphenol		0.309	0.301	0.336	0.331	0.334	0.327	4.6
bis(2-Chloroethoxy)methane		0.383	0.419	0.444	0.425	0.432	0.423	4.6
2,4-Dichlorophenol		0.283	0.331	0.367	0.364	0.371	0.351	9.4
1,2,4-Trichlorobenzene		0.408	0.417	0.443	0.424	0.418	0.423	2.8
Benzoic acid			0.135	0.166	0.204	0.221	0.205	22.9
Naphthalene		1.076	1.163	1.170	1.141	1.123	1.134	2.8
4-Chloroaniline		0.357	0.452	0.477	0.471	0.472	0.454	9.6
Hexachlorobutadiene		0.365	0.353	0.370	0.366	0.358	0.363	2.1
Caprolactam			0.090	0.104	0.103	0.114	0.105	8.0
4-Chloro-3-methylphenol		0.348	0.388	0.399	0.390	0.402	0.390	5.1
2-Methylnaphthalene		0.820	0.842	0.902	0.844	0.850	0.848	3.0

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: ALLI03

Lab Code: ACE SDG No.: Q3483

Instrument ID: BNA_G Calibration Date(s): 11/12/2025 11/12/2025

Calibration Time(s): 11:17 16:04

LAB FILE ID: RRF2.5 = BG064745.D RRF005 = BG064746.D RRF010 = BG064747.D
RRF020 = BG064748.D RRF040 = BG064749.D RRF050 = BG064750.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Hexachlorocyclopentadiene			0.478	0.547	0.560	0.557	0.558	8.3
2,4,6-Trichlorophenol		0.386	0.432	0.472	0.465	0.474	0.457	7.9
2-Fluorobiphenyl		1.403	1.445	1.509	1.420	1.400	1.433	2.6
2,4,5-Trichlorophenol		0.467	0.460	0.546	0.521	0.520	0.512	6.8
1,1-Biphenyl		1.416	1.417	1.498	1.428	1.405	1.436	2.2
2-Chloronaphthalene		1.124	1.112	1.167	1.120	1.116	1.132	1.7
2-Nitroaniline		0.291	0.345	0.373	0.371	0.383	0.364	9.9
Dimethylphthalate		1.535	1.569	1.654	1.549	1.580	1.580	2.4
Acenaphthylene		1.839	1.928	1.996	1.930	1.932	1.933	2.5
2,6-Dinitrotoluene		0.265	0.281	0.313	0.305	0.317	0.304	7.4
3-Nitroaniline		0.247	0.277	0.301	0.306	0.320	0.300	9.6
Acenaphthene		1.072	1.104	1.169	1.166	1.177	1.159	4.6
2,4-Dinitrophenol			0.060	0.114	0.169	0.189	0.158	38.0
4-Nitrophenol			0.181	0.224	0.241	0.257	0.238	13.2
Dibenzofuran		1.897	1.991	1.994	1.867	1.892	1.916	2.7
2,4-Dinitrotoluene		0.376	0.426	0.477	0.462	0.472	0.456	9.1
Diethylphthalate		1.443	1.521	1.585	1.492	1.532	1.513	2.8
4-Chlorophenyl-phenylether		0.892	0.927	0.940	0.880	0.882	0.902	2.5
Fluorene		1.481	1.569	1.595	1.471	1.462	1.503	3.6
4-Nitroaniline		0.245	0.288	0.318	0.320	0.335	0.311	10.7
4,6-Dinitro-2-methylphenol			0.073	0.099	0.117	0.121	0.111	19.4
n-Nitrosodiphenylamine		0.483	0.531	0.544	0.538	0.519	0.524	3.8
Azobenzene		1.244	1.292	1.309	1.235	1.250	1.259	2.4
2,4,6-Tribromophenol		0.346	0.384	0.410	0.386	0.398	0.390	5.5
4-Bromophenyl-phenylether		0.241	0.263	0.269	0.269	0.259	0.263	3.9
Hexachlorobenzene		0.312	0.312	0.326	0.320	0.318	0.318	1.7
Atrazine		0.245	0.251	0.257	0.253	0.254	0.253	1.5
Pentachlorophenol			0.088	0.138	0.160	0.177	0.157	24.9
Phenanthrene		1.075	1.118	1.123	1.099	1.081	1.094	1.8
Anthracene		1.098	1.122	1.152	1.113	1.099	1.116	1.6
Carbazole		0.926	0.987	0.982	0.971	0.944	0.959	2.3
Di-n-butylphthalate		0.998	1.107	1.105	1.077	1.076	1.070	3.4
Fluoranthene		1.508	1.558	1.531	1.494	1.461	1.496	2.6
Benzidine			0.674	0.631	0.561	0.618	0.599	8.3
Pyrene		1.076	1.089	1.145	1.111	1.164	1.121	2.8

All other compounds must meet a minimum RRF of 0.010.

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COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Terphenyl-d14		1.018	1.028	1.060	1.012	1.040	1.017	3.0
Butylbenzylphthalate		0.377	0.391	0.402	0.391	0.404	0.394	2.4
3,3-Dichlorobenzidine			0.501	0.518	0.517	0.507	0.501	3.3
Benzo(a)anthracene		1.338	1.371	1.395	1.379	1.357	1.360	1.7
Chrysene		1.266	1.292	1.301	1.309	1.267	1.282	1.4
Bis(2-ethylhexyl)phthalate		0.582	0.581	0.598	0.583	0.571	0.576	2.5
Di-n-octyl phthalate			0.993	1.026	1.038	0.983	0.996	3.0
Benzo(b)fluoranthene		1.190	1.250	1.299	1.291	1.279	1.273	3.2
Benzo(k)fluoranthene		1.245	1.296	1.321	1.249	1.279	1.279	2.3
Benzo(a)pyrene		1.131	1.176	1.197	1.191	1.182	1.181	2.0
Indeno(1,2,3-cd)pyrene		1.262	1.324	1.388	1.399	1.404	1.374	4.4
Dibenzo(a,h)anthracene		1.026	1.092	1.128	1.151	1.155	1.126	4.6
Benzo(g,h,i)perylene		1.000	1.044	1.091	1.105	1.108	1.083	4.2
1,2,4,5-Tetrachlorobenzene		0.756	0.746	0.811	0.782	0.759	0.778	3.2
1,4-Dioxane		0.441	0.455	0.445	0.468	0.452	0.443	3.9
2,3,4,6-Tetrachlorophenol		0.418	0.480	0.521	0.501	0.536	0.506	8.9
1-Methylnaphthalene		0.844	0.841	0.880	0.834	0.835	0.843	2.2

All other compounds must meet a minimum RRF of 0.010.