284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: TETR16

Lab Code: ACE SDG No.: Q3839

Instrument ID: BNA_F Calibration Date(s): 12/12/2025 12/12/2025

Calibration Time(s): 11:26 15:28

LAB FILE ID: RRF2.5 = BF144444.D RRF005 = BF144445.D RRF010 = BF144446.D
RRF020 = BF144447.D RRF050 = BF144449.D RRF060 = BF144450.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF050	RRF060	RRF	% RSD
2-Fluorophenol		1.279	1.373	1.402	1.295	1.269	1.326	5.5
Benzaldehyde			1.115	1.004	1.431	1.311	1.295	14.9
Phenol-d6		1.656	1.718	1.736	1.597	1.580	1.654	5.4
Phenol		1.948	2.029	2.028	1.882	1.864	1.953	5.2
bis(2-Chloroethyl)ether		1.461	1.486	1.494	1.367	1.360	1.427	5.5
2-Chlorophenol		1.278	1.383	1.469	1.430	1.417	1.422	6.5
2-Methylphenol		1.154	1.216	1.237	1.175	1.171	1.199	4.4
2,2-oxybis(1-Chloropropane)		2.489	2.557	2.525	2.327	2.278	2.409	6.0
Acetophenone		0.535	0.539	0.527	0.463	0.459	0.496	8.3
3+4-Methylphenols			1.557	1.579	1.428	1.381	1.473	8.0
n-Nitroso-di-n-propylamine	1.006	1.036	1.078	1.085	1.026	1.012	1.045	4.2
Nitrobenzene-d5		0.215	0.273	0.327	0.342	0.349	0.320	17.8
Hexachloroethane		0.490	0.526	0.545	0.535	0.534	0.536	5.9
Nitrobenzene		0.250	0.310	0.358	0.365	0.372	0.347	14.8
Isophorone		0.706	0.743	0.747	0.703	0.704	0.721	3.4
2-Nitrophenol		0.057	0.080	0.108	0.145	0.155	0.126	35.2
2,4-Dimethylphenol		0.327	0.352	0.358	0.337	0.337	0.344	4.4
bis(2-Chloroethoxy)methane		0.458	0.475	0.471	0.422	0.420	0.444	6.2
2,4-Dichlorophenol		0.242	0.279	0.301	0.288	0.291	0.286	8.1
Naphthalene		1.160	1.174	1.156	1.011	0.984	1.076	8.7
4-Chloroaniline		0.445	0.460	0.461	0.414	0.405	0.433	6.1
Hexachlorobutadiene		0.191	0.201	0.203	0.185	0.182	0.192	5.3
Caprolactam			0.080	0.096	0.097	0.096	0.094	7.8
4-Chloro-3-methylphenol		0.279	0.313	0.323	0.310	0.310	0.310	5.4
2-Methylnaphthalene		0.751	0.782	0.757	0.665	0.653	0.708	8.6
Hexachlorocyclopentadiene			0.270	0.312	0.344	0.352	0.337	12.0
2,4,6-Trichlorophenol		0.282	0.327	0.382	0.373	0.371	0.361	12.0
2-Fluorobiphenyl		1.501	1.501	1.406	1.175	1.148	1.304	13.4
2,4,5-Trichlorophenol		0.313	0.369	0.376	0.387	0.405	0.379	9.3
1,1-Biphenyl		1.692	1.708	1.662	1.463	1.443	1.563	8.9
2-Chloronaphthalene		1.282	1.279	1.251	1.117	1.116	1.193	7.4
2-Nitroaniline		0.144	0.199	0.275	0.333	0.347	0.289	30.1
Dimethylphthalate		1.319	1.412	1.407	1.319	1.309	1.351	4.5
Acenaphthylene		1.957	2.018	2.006	1.809	1.779	1.890	6.9

All other compounds must meet a minimum RRF of 0.010.

Alliance TECHNICAL GROUP
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Lab Name: Alliance Contract: TETR16

Lab Code: ACE SDG No.: Q3839

Instrument ID: BNA_F Calibration Date(s): 12/12/2025 12/12/2025

Calibration Time(s): 11:26 15:28

LAB FILE ID: RRF2.5 = BF144444.D RRF005 = BF144445.D RRF010 = BF144446.D
RRF020 = BF144447.D RRF050 = BF144449.D RRF060 = BF144450.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF050	RRF060	RRF	% RSD
2,6-Dinitrotoluene		0.097	0.137	0.184	0.241	0.251	0.206	32.8
3-Nitroaniline		0.146	0.204	0.260	0.302	0.304	0.264	25.0
Acenaphthene		1.235	1.273	1.227	1.114	1.105	1.179	7.0
2,4-Dinitrophenol			0.040	0.057	0.094	0.105	0.086	35.4
4-Nitrophenol			0.163	0.208	0.251	0.247	0.230	16.6
Dibenzofuran		1.796	1.827	1.775	1.586	1.542	1.677	8.0
2,4-Dinitrotoluene		0.133	0.186	0.252	0.333	0.348	0.281	32.8
Diethylphthalate		1.227	1.351	1.317	1.264	1.251	1.280	5.0
4-Chlorophenyl-phenylether		0.691	0.692	0.656	0.579	0.566	0.623	9.8
Fluorene		1.426	1.427	1.355	1.168	1.141	1.270	11.1
4-Nitroaniline		0.170	0.216	0.264	0.298	0.303	0.267	20.5
4,6-Dinitro-2-methylphenol			0.037	0.055	0.085	0.094	0.079	33.6
n-Nitrosodiphenylamine		0.693	0.729	0.729	0.641	0.652	0.685	6.1
2,4,6-Tribromophenol		0.131	0.163	0.184	0.194	0.192	0.181	14.3
4-Bromophenyl-phenylether		0.225	0.240	0.244	0.225	0.228	0.233	4.1
Hexachlorobenzene		0.256	0.263	0.270	0.248	0.251	0.258	3.7
Atrazine		0.186	0.210	0.226	0.219	0.218	0.215	6.8
Pentachlorophenol			0.113	0.140	0.151	0.157	0.147	12.8
Phenanthrene		1.245	1.262	1.235	1.075	1.060	1.153	8.8
Anthracene		1.233	1.265	1.258	1.088	1.088	1.167	8.0
Carbazole		1.078	1.100	1.082	0.950	0.935	1.013	8.1
Di-n-butylphthalate		0.937	1.089	1.177	1.095	1.085	1.083	7.7
Fluoranthene		1.226	1.245	1.252	1.079	1.040	1.139	9.6
Pyrene		1.678	1.831	1.896	1.766	1.814	1.832	5.9
Terphenyl-d14		1.251	1.320	1.333	1.204	1.202	1.267	5.6
Butylbenzylphthalate		0.287	0.382	0.513	0.606	0.617	0.522	26.2
3,3-Dichlorobenzidine			0.363	0.403	0.399	0.402	0.399	5.4
Benzo(a)anthracene		1.408	1.465	1.463	1.368	1.365	1.408	3.6
Chrysene		1.282	1.317	1.352	1.216	1.216	1.289	5.3
Bis(2-ethylhexyl)phthalate		0.365	0.485	0.607	0.720	0.704	0.619	23.1
Di-n-octyl phthalate			0.515	0.734	1.086	1.109	0.951	27.7
Benzo(b)fluoranthene		1.330	1.392	1.343	1.267	1.218	1.313	4.7
Benzo(k)fluoranthene		1.223	1.343	1.424	1.209	1.198	1.241	9.7
Benzo(a)pyrene		1.058	1.146	1.199	1.150	1.140	1.148	4.7
Indeno(1,2,3-cd)pyrene		0.988	1.218	1.395	1.499	1.612	1.436	18.1

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COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF050	RRF060	RRF	% RSD
Dibenzo(a,h)anthracene		0.816	0.979	1.141	1.217	1.282	1.159	17.5
Benzo(g,h,i)perylene		0.802	1.004	1.167	1.238	1.309	1.179	18.0
1,2,4,5-Tetrachlorobenzene		0.599	0.615	0.596	0.538	0.532	0.569	6.9
1,4-Dioxane		0.628	0.648	0.660	0.621	0.622	0.638	3.5
2,3,4,6-Tetrachlorophenol		0.199	0.260	0.293	0.306	0.312	0.288	15.9

All other compounds must meet a minimum RRF of 0.010.