

6C

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
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
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
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
2,4-Dinitrophenol			0.040	0.057	0.094	0.105	0.086	35.4

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

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COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF050	RRF060	RRF	% RSD
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
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
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
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
Di-n-octyl phthalate			0.515	0.734	1.086	1.109	0.951	27.7
1,2,4,5-Tetrachlorobenzene		0.599	0.615	0.596	0.538	0.532	0.569	6.9
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.

Form VI SV-1