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

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: P3426 SAS No.: P3426 SDG No.: P3426

Instrument ID: BNA_F Calibration Date(s): 07/30/2024 07/30/2024

Calibration Time(s): 12:54 16:29

LAB FILE ID: RRF2.5 = BF138680.D RRF005 = BF138681.D RRF010 = BF138682.D
RRF020 = BF138683.D RRF040 = BF138684.D RRF050 = BF138685.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Pyridine		1.373	1.365	1.453	1.381	1.380	1.374	3.1
2-Fluorophenol		1.404	1.367	1.341	1.274	1.244	1.296	6.0
Benzaldehyde		1.230	1.119	1.099	0.904	0.862	1.043	14.8
Phenol-d6		1.938	1.816	1.828	1.681	1.654	1.740	7.2
2-Methylphenol		1.192	1.154	1.183	1.103	1.072	1.126	4.9
3+4-Methylphenols		1.661	1.554	1.558	1.367	1.328	1.444	10.0
Nitrobenzene-d5		0.426	0.416	0.424	0.407	0.393	0.409	3.3
Hexachloroethane		0.619	0.614	0.598	0.568	0.554	0.580	5.3
Nitrobenzene		0.431	0.423	0.433	0.417	0.400	0.416	3.3
Naphthalene		1.124	1.102	1.110	1.044	1.000	1.053	5.6
Hexachlorobutadiene		0.205	0.197	0.200	0.190	0.187	0.192	4.4
2-Methylnaphthalene		0.723	0.699	0.709	0.649	0.619	0.665	6.7
2,4,6-Trichlorophenol		0.338	0.338	0.353	0.336	0.330	0.339	2.1
2-Fluorobiphenyl		1.512	1.424	1.402	1.306	1.260	1.331	9.0
2,4,5-Trichlorophenol		0.368	0.379	0.387	0.368	0.361	0.370	2.6
Acenaphthylene		1.796	1.744	1.743	1.637	1.573	1.652	6.8
Acenaphthene		1.217	1.173	1.169	1.082	1.049	1.111	6.8
Dibenzofuran		1.729	1.680	1.666	1.515	1.484	1.568	7.8
2,4-Dinitrotoluene		0.377	0.376	0.402	0.362	0.342	0.368	5.4
Fluorene		1.374	1.326	1.351	1.206	1.166	1.249	8.0
2,4,6-Tribromophenol		0.168	0.164	0.176	0.159	0.156	0.164	4.2
Hexachlorobenzene		0.231	0.231	0.234	0.220	0.214	0.224	3.7
Pentachlorophenol			0.077	0.097	0.102	0.104	0.101	12.9
Phenanthrene		1.112	1.109	1.087	1.021	0.970	1.030	7.0
Anthracene		1.082	1.077	1.078	1.003	0.965	1.015	6.3
Carbazole		0.970	0.938	0.940	0.870	0.810	0.875	8.6
Di-n-butylphthalate		0.991	0.990	1.040	0.991	0.944	0.984	3.4
Fluoranthene		1.068	1.045	1.039	0.965	0.899	0.961	9.7
Pyrene		1.978	1.958	2.140	1.750	1.694	1.883	8.6
Terphenyl-d14		1.264	1.265	1.362	1.106	1.072	1.195	9.3
Benzo(a)anthracene		1.401	1.438	1.410	1.395	1.351	1.377	3.5
Chrysene		1.342	1.228	1.260	1.222	1.203	1.243	3.8
Bis(2-ethylhexyl)phthalate		0.876	0.838	0.861	0.948	0.945	0.883	5.1
Benzo(b)fluoranthene		1.287	1.361	1.287	1.229	1.181	1.240	6.2

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
Benzo(k)fluoranthene		1.202	1.043	1.098	1.002	1.060	1.073	6.8
Benzo(a)pyrene		1.084	1.047	1.071	1.023	1.026	1.043	2.5
Indeno(1,2,3-cd)pyrene		1.469	1.464	1.517	1.395	1.406	1.433	3.5
Dibenzo(a,h)anthracene		1.226	1.231	1.253	1.134	1.140	1.177	4.9
Benzo(g,h,i)perylene		1.261	1.234	1.289	1.199	1.196	1.221	3.5
1,4-Dioxane		0.597	0.555	0.581	0.576	0.557	0.567	3.2
1-Methylnaphthalene		0.713	0.685	0.692	0.636	0.606	0.652	6.9

All other compounds must meet a minimum RRF of 0.010.