Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: P3645 SAS No.: P3645 SDG No.: P3645

Instrument ID: BNA_M Calibration Date(s): 08/10/2024 08/10/2024

Calibration Time(s): 13:12 17:51

LAB FILE ID: RRF2.5 = BM047140.D RRF005 = BM047141.D RRF010 = BM047142.D
RRF020 = BM047143.D RRF040 = BM047144.D RRF050 = BM047145.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Pyridine		1.448	1.390	1.458	1.302	1.299	1.360	5.2
2-Fluorophenol		1.215	1.184	1.197	1.071	1.050	1.119	6.7
Benzaldehyde		1.187	1.048	1.024	0.776	0.750	0.904	23.4
Phenol-d6		1.643	1.599	1.652	1.478	1.470	1.542	5.5
2-Methylphenol		1.064	1.055	1.115	1.003	0.998	1.027	5.2
Acetophenone		0.547	0.517	0.510	0.462	0.450	0.483	8.6
3+4-Methylphenols		1.462	1.442	1.570	1.411	1.405	1.435	4.8
Nitrobenzene-d5		0.423	0.417	0.420	0.390	0.378	0.397	5.5
Nitrobenzene		0.425	0.427	0.428	0.393	0.380	0.400	6.4
2,4-Dichlorophenol		0.289	0.300	0.318	0.312	0.310	0.308	3.3
Naphthalene		1.075	1.041	1.042	0.966	0.949	0.996	5.5
Hexachlorobutadiene		0.199	0.200	0.207	0.203	0.203	0.204	2.0
2-Methylnaphthalene		0.741	0.730	0.742	0.689	0.681	0.709	3.8
2,4,6-Trichlorophenol		0.355	0.372	0.394	0.399	0.394	0.388	4.5
2-Fluorobiphenyl		1.406	1.341	1.336	1.265	1.247	1.297	5.1
2,4,5-Trichlorophenol		0.410	0.410	0.438	0.437	0.436	0.430	3.4
Acenaphthylene		1.719	1.699	1.732	1.602	1.575	1.640	4.5
Acenaphthene		1.115	1.079	1.086	1.008	0.991	1.041	4.9
Dibenzofuran		1.790	1.731	1.728	1.579	1.559	1.644	6.2
Fluorene		1.469	1.428	1.426	1.309	1.290	1.356	6.0
2,4,6-Tribromophenol		0.222	0.233	0.248	0.232	0.228	0.232	3.6
Hexachlorobenzene		0.236	0.234	0.240	0.229	0.226	0.231	2.7
Pentachlorophenol		0.141	0.152	0.165	0.168	0.166	0.162	6.9
Phenanthrene		1.090	1.035	1.036	0.976	0.967	1.004	5.0
Carbazole		1.071	1.041	1.052	0.971	0.954	0.997	5.6
Di-n-butylphthalate		1.175	1.187	1.223	1.165	1.134	1.160	3.5
Fluoranthene		1.294	1.239	1.255	1.199	1.179	1.221	3.6
Pyrene		1.456	1.398	1.443	1.425	1.414	1.428	1.5
Terphenyl-d14		0.924	0.916	0.958	0.937	0.928	0.933	1.6
Benzo(a)anthracene		1.390	1.331	1.364	1.300	1.291	1.328	2.9
Chrysene		1.350	1.283	1.301	1.224	1.214	1.260	4.2
Bis(2-ethylhexyl)phthalate		0.771	0.808	0.867	0.845	0.832	0.826	3.8
Benzo(b)fluoranthene		1.182	1.200	1.222	1.161	1.179	1.188	1.9
Benzo(k)fluoranthene		1.192	1.134	1.175	1.097	1.059	1.122	4.4

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(a)pyrene		1.014	1.015	1.066	1.024	1.012	1.029	1.9
Indeno(1,2,3-cd)pyrene		1.326	1.280	1.366	1.279	1.278	1.293	3.4
Dibenzo(a,h)anthracene		1.096	1.051	1.119	1.021	1.021	1.046	4.4
Benzo(g,h,i)perylene		1.119	1.082	1.162	1.076	1.082	1.086	4.4
1,4-Dioxane		0.519	0.490	0.495	0.438	0.436	0.464	7.9
1-Methylnaphthalene		0.737	0.726	0.735	0.681	0.668	0.701	4.3

All other compounds must meet a minimum RRF of 0.010.