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.: P3645 SAS No.: P3645 SDG No.: P3645

Instrument ID: BNA_P Calibration Date(s): 08/13/2024 08/13/2024

Calibration Time(s): 12:32 17:36

LAB FILE ID: RRF2.5 = BP021481.D RRF005 = BP021482.D RRF010 = BP021483.D
RRF020 = BP021484.D RRF040 = BP021485.D RRF050 = BP021486.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Pyridine		1.744	1.720	1.915	1.802	1.741	1.783	4.0
2-Fluorophenol		1.332	1.286	1.405	1.348	1.324	1.347	3.2
Benzaldehyde		1.364	1.447	1.409	1.198	1.073	1.258	13.7
Phenol-d6		1.897	1.960	2.062	1.978	1.953	1.965	2.9
2-Methylphenol		1.257	1.313	1.350	1.290	1.277	1.286	3.0
Acetophenone		0.636	0.621	0.643	0.612	0.591	0.614	3.3
3+4-Methylphenols		1.595	1.820	1.795	1.758	1.734	1.734	4.5
Nitrobenzene-d5		0.300	0.339	0.386	0.410	0.412	0.387	13.1
Nitrobenzene		0.338	0.385	0.430	0.443	0.435	0.421	10.4
2,4-Dichlorophenol		0.226	0.249	0.270	0.273	0.275	0.267	8.4
Naphthalene		1.084	1.041	1.074	1.041	1.002	1.045	2.6
Hexachlorobutadiene		0.217	0.213	0.218	0.215	0.210	0.215	1.5
2-Methylnaphthalene		0.747	0.742	0.730	0.705	0.683	0.713	3.8
2,4,6-Trichlorophenol		0.261	0.284	0.318	0.343	0.339	0.326	12.5
2-Fluorobiphenyl		1.371	1.314	1.335	1.327	1.264	1.310	3.1
2,4,5-Trichlorophenol		0.284	0.316	0.360	0.382	0.378	0.362	12.7
Acenaphthylene		1.660	1.610	1.657	1.645	1.561	1.619	2.5
Acenaphthene		1.094	1.058	1.074	1.073	1.023	1.063	2.2
Dibenzofuran		1.735	1.637	1.677	1.649	1.563	1.635	3.7
Fluorene		1.431	1.400	1.408	1.354	1.260	1.343	5.7
2,4,6-Tribromophenol		0.179	0.204	0.222	0.236	0.231	0.223	10.5
Hexachlorobenzene		0.255	0.249	0.250	0.252	0.245	0.250	1.3
Pentachlorophenol			0.108	0.125	0.137	0.143	0.137	13.1
Phenanthrene		0.990	0.963	0.998	0.965	0.932	0.962	2.7
Carbazole		0.908	0.906	0.941	0.930	0.873	0.909	2.5
Di-n-butylphthalate		1.049	1.065	1.149	1.149	1.133	1.116	3.7
Fluoranthene		1.215	1.153	1.233	1.200	1.137	1.180	3.2
Pyrene		1.283	1.470	1.295	1.290	1.262	1.307	5.6
Terphenyl-d14		1.069	1.196	1.034	1.006	0.973	1.029	8.2
Benzo(a)anthracene		1.271	1.247	1.291	1.268	1.224	1.256	1.8
Chrysene		1.213	1.180	1.205	1.197	1.151	1.185	1.8
Bis(2-ethylhexyl)phthalate		0.607	0.635	0.741	0.781	0.804	0.742	11.7
Benzo(b)fluoranthene		1.106	1.152	1.158	1.155	1.119	1.149	2.4
Benzo(k)fluoranthene		1.115	1.101	1.124	1.141	1.103	1.121	1.7

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		0.953	0.953	1.003	1.012	0.996	0.997	3.3
Indeno(1,2,3-cd)pyrene		1.244	1.156	1.317	1.327	1.297	1.296	5.8
Dibenzo(a,h)anthracene		1.034	0.965	1.106	1.102	1.080	1.077	5.5
Benzo(g,h,i)perylene		1.052	0.955	1.096	1.102	1.074	1.080	5.9
1,4-Dioxane		0.685	0.614	0.681	0.642	0.599	0.639	5.4
1-Methylnaphthalene		0.742	0.735	0.725	0.697	0.673	0.703	4.4

All other compounds must meet a minimum RRF of 0.010.