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.: P3671 SAS No.: P3671 SDG No.: P3671

Instrument ID: BNA_F Calibration Date(s): 08/20/2024 08/20/2024

Calibration Time(s): 17:10 20:41

LAB FILE ID: RRF2.5 = BF139078.D RRF005 = BF139079.D RRF010 = BF139080.D
RRF020 = BF139081.D RRF040 = BF139082.D RRF050 = BF139083.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Pyridine		1.553	1.469	1.544	1.361	1.323	1.417	7.5
2-Fluorophenol		1.671	1.315	1.335	1.225	1.182	1.300	13.5
Benzaldehyde			1.182	1.163	0.921	0.843	0.985	17.8
Phenol-d6		2.058	1.698	1.737	1.612	1.545	1.680	11.0
2-Methylphenol		1.249	1.086	1.114	1.029	0.999	1.070	8.5
Acetophenone		0.542	0.529	0.538	0.504	0.488	0.511	4.9
3+4-Methylphenols		1.706	1.418	1.446	1.349	1.258	1.386	11.7
Nitrobenzene-d5		0.274	0.288	0.336	0.360	0.365	0.343	13.6
Nitrobenzene		0.328	0.335	0.382	0.395	0.395	0.382	9.7
2,4-Dichlorophenol		0.293	0.290	0.299	0.287	0.278	0.288	2.6
Naphthalene		1.090	1.062	1.071	0.997	0.945	1.014	6.1
2-Methylnaphthalene		0.758	0.678	0.678	0.629	0.598	0.650	9.1
2,4,6-Trichlorophenol		0.408	0.364	0.378	0.356	0.360	0.370	5.2
2-Fluorobiphenyl		1.526	1.341	1.326	1.207	1.147	1.261	11.6
2,4,5-Trichlorophenol		0.401	0.359	0.384	0.386	0.363	0.379	3.7
Acenaphthylene		1.656	1.666	1.690	1.587	1.523	1.595	4.8
Acenaphthene		1.181	1.076	1.072	1.027	0.985	1.053	6.2
Dibenzofuran		1.611	1.620	1.623	1.518	1.441	1.530	5.8
Fluorene		1.395	1.280	1.273	1.195	1.142	1.223	8.1
2,4,6-Tribromophenol		0.132	0.174	0.191	0.190	0.187	0.181	12.6
Hexachlorobenzene		0.255	0.229	0.231	0.220	0.215	0.227	5.9
Pentachlorophenol		0.135	0.131	0.147	0.149	0.148	0.145	6.2
Phenanthrene		1.228	1.053	1.066	0.968	0.938	1.017	10.8
Carbazole		1.112	0.959	0.976	0.892	0.865	0.928	10.5
Di-n-butylphthalate		1.373	1.077	1.098	1.019	0.987	1.076	12.9
Fluoranthene		1.275	1.159	1.152	1.050	1.001	1.085	10.6
Pyrene		1.566	1.495	1.606	1.688	1.704	1.669	7.3
Terphenyl-d14		1.099	1.121	1.144	1.212	1.243	1.205	7.2
Benzo(a)anthracene		1.478	1.343	1.346	1.301	1.232	1.315	6.6
Chrysene		1.229	1.245	1.288	1.153	1.111	1.192	5.3
Bis(2-ethylhexyl)phthalate		0.749	0.719	0.757	0.779	0.764	0.765	3.6
Benzo(b)fluoranthene		1.474	1.391	1.390	1.257	1.153	1.304	9.3
Benzo(k)fluoranthene		1.051	1.220	1.288	1.076	1.019	1.086	11.4
Benzo(a)pyrene		1.052	1.068	1.087	1.014	0.981	1.030	3.9

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
Indeno(1,2,3-cd)pyrene		0.909	0.873	1.124	1.298	1.308	1.171	17.6
Dibenzo(a,h)anthracene		0.745	0.724	0.922	1.078	1.071	0.961	17.3
Benzo(g,h,i)perylene		0.641	0.713	0.968	1.106	1.102	0.969	21.5
1,4-Dioxane		0.591	0.579	0.579	0.553	0.528	0.558	4.7
1-Methylnaphthalene		0.677	0.662	0.666	0.613	0.585	0.627	6.4

All other compounds must meet a minimum RRF of 0.010.