

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JACO05
Lab Code: CHEM Case No.: P3609 SAS No.: P3609 SDG No.: P3609
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.

Form VI SV-1

6C

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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