

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JAC005
Lab Code: CHEM Case No.: P3457 SAS No.: P3457 SDG No.: P3457
Instrument ID: MSVOA_X Calibration Date(s): 08/06/2024 08/06/2024
Heated Purge: (Y/N) N Calibration Time(s): 18:18 20:15
GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX042877.D		RRF005 = VX042878.D		RRF020 = VX042879.D			
		RRF050 = VX042880.D		RRF100 = VX042881.D		RRF150 = VX042882.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Dichlorodifluoromethane	0.521	0.492	0.550	0.552	0.571	0.547	0.539	5.2	
Chloromethane	0.675	0.573	0.601	0.551	0.574	0.549	0.587	8	
Vinyl Chloride	0.523	0.562	0.582	0.551	0.567	0.557	0.557	3.5	
Bromomethane		0.351	0.323	0.316	0.350	0.346	0.337	4.8	
Chloroethane	0.382	0.331	0.321	0.321	0.284	0.266	0.317	12.7	
1,1,2-Trichlorotrifluoroethane	0.571	0.527	0.578	0.533	0.535	0.525	0.545	4.3	
1,1-Dichloroethene	0.559	0.561	0.575	0.535	0.548	0.529	0.551	3.1	
Acetone	0.353	0.284	0.316	0.282	0.279	0.272	0.298	10.5	
Carbon Disulfide	1.453	1.225	1.325	1.297	1.381	1.366	1.341	5.8	
Methyl tert-butyl Ether	1.847	1.847	1.921	1.834	1.855	1.825	1.855	1.9	
Methylene Chloride	1.053	0.702	0.677	0.596	0.609	0.593	0.705	25	
trans-1,2-Dichloroethene	0.549	0.547	0.576	0.552	0.557	0.545	0.554	2.1	
1,1-Dichloroethane	1.079	1.071	1.110	1.042	1.034	0.976	1.052	4.4	
Cyclohexane		0.817	0.896	0.858	0.869	0.855	0.859	3.3	
2-Butanone	0.449	0.462	0.510	0.469	0.466	0.449	0.468	4.8	
Carbon Tetrachloride	0.532	0.465	0.500	0.492	0.505	0.508	0.500	4.4	
cis-1,2-Dichloroethene	0.585	0.666	0.708	0.663	0.668	0.655	0.658	6.1	
Chloroform	1.114	1.083	1.166	1.091	1.092	1.062	1.101	3.2	
1,1,1-Trichloroethane	0.918	0.937	1.012	0.971	0.995	0.984	0.970	3.7	
Methylcyclohexane	0.459	0.496	0.555	0.549	0.556	0.546	0.527	7.6	
Benzene	1.318	1.391	1.456	1.384	1.361	1.344	1.376	3.5	
1,2-Dichloroethane	0.500	0.505	0.524	0.497	0.492	0.484	0.500	2.7	
Trichloroethene	0.348	0.347	0.359	0.338	0.342	0.340	0.346	2.2	
Bromodichloromethane	0.422	0.455	0.504	0.487	0.497	0.492	0.476	6.6	
Toluene	0.732	0.836	0.915	0.849	0.851	0.824	0.834	7.1	
1,1,2-Trichloroethane	0.312	0.339	0.364	0.336	0.346	0.338	0.339	5	
Dibromochloromethane	0.332	0.341	0.391	0.372	0.401	0.399	0.373	8	
Tetrachloroethene	0.354	0.335	0.368	0.348	0.343	0.337	0.348	3.5	
Chlorobenzene	1.081	1.042	1.112	1.039	1.052	1.040	1.061	2.8	
Ethyl Benzene	1.660	1.668	1.921	1.806	1.830	1.823	1.785	5.7	

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
m/p-Xylenes	0.601	0.637	0.754	0.696	0.701	0.698	0.681	7.9	
o-Xylene	0.662	0.639	0.727	0.687	0.694	0.686	0.683	4.3	
Isopropylbenzene	3.448	3.709	3.932	3.673	3.523	3.404	3.615	5.4	
1,4-Dichlorobenzene	1.850	1.728	1.769	1.635	1.622	1.630	1.706	5.4	
1,2-Dichlorobenzene	1.598	1.714	1.775	1.657	1.637	1.619	1.666	4	
1,2-Dichloroethane-d4		0.726	0.669	0.667	0.687	0.683	0.686	3.5	
Dibromofluoromethane		0.333	0.315	0.323	0.336	0.329	0.327	2.6	
Toluene-d8		1.195	1.151	1.136	1.170	1.151	1.161	2	
4-Bromofluorobenzene		0.404	0.401	0.398	0.441	0.441	0.417	5.3	

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