

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JAC005
 Lab Code: CHEM Case No.: P3671 SAS No.: P3671 SDG No.: P3671
 Instrument ID: MSVOA_Y Calibration Date(s): 08/15/2024 08/15/2024
 Heated Purge: (Y/N) Y Calibration Time(s): 17:24 19:50
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:	RRF005 = VY019071.D			RRF010 = VY019072.D		RRF020 = VY019073.D			
	RRF050 = VY019074.D			RRF100 = VY019075.D		RRF150 = VY019076.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Dichlorodifluoromethane	0.385	0.357	0.408	0.379	0.347	0.325	0.367	8.1	
Chloromethane	0.806	0.726	0.670	0.646	0.598	0.523	0.661	14.9	
Vinyl Chloride	0.973	0.898	0.841	0.807	0.731	0.651	0.817	14.1	
Bromomethane	0.875	0.644	0.567	0.533	0.493	0.446	0.593	25.9	
Chloroethane	0.689	0.565	0.526	0.514	0.472	0.415	0.530	17.6	
1,1,2-Trichlorotrifluoroethane	0.637	0.607	0.546	0.532	0.504	0.468	0.549	11.5	
1,1-Dichloroethene	0.572	0.529	0.486	0.486	0.474	0.446	0.499	8.9	
Acetone	0.113	0.087	0.091	0.097	0.087	0.082	0.093	12	
Carbon Disulfide	1.597	1.439	1.369	1.410	1.358	1.267	1.407	7.8	
Methyl tert-butyl Ether	1.283	1.125	1.221	1.244	1.211	1.171	1.209	4.6	
Methylene Chloride	1.695	0.965	0.718	0.595	0.535	0.490	0.833	54.7	
trans-1,2-Dichloroethene	0.609	0.587	0.542	0.564	0.543	0.499	0.557	6.9	
1,1-Dichloroethane	1.088	0.955	0.919	0.904	0.885	0.819	0.928	9.7	
Cyclohexane	1.026	0.907	0.788	0.745	0.721	0.659	0.807	16.8	
2-Butanone	0.182	0.132	0.149	0.155	0.144	0.137	0.150	11.9	
Carbon Tetrachloride	0.516	0.525	0.512	0.540	0.526	0.502	0.520	2.5	
cis-1,2-Dichloroethene	0.730	0.650	0.655	0.655	0.639	0.605	0.656	6.2	
Chloroform	1.146	1.034	1.049	1.048	0.999	0.931	1.034	6.8	
1,1,1-Trichloroethane	1.007	0.867	0.907	0.920	0.905	0.848	0.909	6.1	
Methylcyclohexane	0.598	0.604	0.559	0.582	0.573	0.540	0.576	4.2	
Benzene	1.478	1.392	1.371	1.397	1.345	1.278	1.377	4.8	
1,2-Dichloroethane	0.416	0.349	0.362	0.385	0.367	0.351	0.372	6.8	
Trichloroethene	0.418	0.399	0.383	0.381	0.372	0.351	0.384	6	
Bromodichloromethane	0.503	0.476	0.495	0.499	0.487	0.470	0.488	2.7	
Toluene	0.955	0.907	0.881	0.912	0.906	0.863	0.904	3.5	
1,1,2-Trichloroethane	0.260	0.241	0.266	0.262	0.260	0.248	0.256	3.7	
Dibromochloromethane	0.350	0.321	0.353	0.364	0.359	0.347	0.349	4.3	
Tetrachloroethene	0.467	0.458	0.437	0.424	0.435	0.400	0.437	5.5	
Chlorobenzene	1.226	1.163	1.130	1.151	1.148	1.089	1.151	3.9	
Ethyl Benzene	2.078	1.979	1.933	2.016	1.997	1.987	1.998	2.4	

* 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	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
m/p-Xylenes	0.798	0.790	0.777	0.805	0.797	0.791	0.793	1.2	
o-Xylene	0.724	0.730	0.715	0.768	0.748	0.722	0.734	2.7	
Isopropylbenzene	4.002	3.928	3.774	3.851	3.761	3.678	3.832	3.1	
1,4-Dichlorobenzene	2.026	1.841	1.795	1.789	1.740	1.634	1.804	7.2	
1,2-Dichlorobenzene	1.735	1.613	1.607	1.606	1.550	1.468	1.596	5.5	
1,2-Dichloroethane-d4	0.620	0.470	0.522	0.476	0.477	0.443	0.501	12.6	
Dibromofluoromethane	0.361	0.315	0.330	0.326	0.320	0.310	0.327	5.5	
Toluene-d8	1.290	1.169	1.196	1.138	1.152	1.113	1.177	5.3	
4-Bromofluorobenzene	0.449	0.379	0.397	0.407	0.387	0.388	0.401	6.3	

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