

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ENTA05
 Lab Code: CHEM Case No.: Q1036 SAS No.: Q1036 SDG No.: Q1036
 Instrument ID: MSVOA_X Calibration Date(s): 01/07/2025 01/07/2025
 Heated Purge: (Y/N) N Calibration Time(s): 10:06 12:00
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX044596.D		RRF005 = VX044597.D		RRF020 = VX044598.D			
		RRF050 = VX044599.D		RRF100 = VX044600.D		RRF150 = VX044601.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Dichlorodifluoromethane	0.686	0.708	0.713	0.779	0.772	0.682	0.723	5.9	
Chloromethane	0.736	0.794	0.736	0.736	0.703	0.621	0.721	7.9	
Vinyl Chloride	0.629	0.704	0.696	0.710	0.696	0.624	0.676	5.8	
Bromomethane		0.380	0.364	0.369	0.369	0.270	0.350	13	
Chloroethane	0.482	0.371	0.371	0.324	0.387		0.387	15.1	
Trichlorofluoromethane	0.982	1.037	0.991	1.084	1.092	0.855	1.007	8.7	
1,1,2-Trichlorotrifluoroethane	0.557	0.586	0.583	0.588	0.596	0.554	0.577	3.1	
1,1-Dichloroethene	0.539	0.587	0.549	0.562	0.565	0.553	0.559	3	
Acetone	0.310	0.215	0.270	0.275	0.263	0.192	0.254	17	
Carbon Disulfide	0.909	1.045	1.058	1.220	1.356	1.352	1.157	15.7	
Methyl tert-butyl Ether	1.768	1.979	1.965	2.051	2.012	1.726	1.917	7.1	
Methyl Acetate	0.772	0.799	0.762	0.776	0.774	0.617	0.750	8.8	
Methylene Chloride	0.687	0.657	0.661	0.657	0.629	0.598	0.648	4.7	
trans-1,2-Dichloroethene	0.554	0.579	0.580	0.580	0.588	0.562	0.574	2.3	
1,1-Dichloroethane	1.017	1.181	1.171	1.182	1.156	0.980	1.114	8.2	
Cyclohexane		0.912	0.950	0.953	0.942	0.818	0.915	6.2	
2-Butanone	0.295	0.393	0.403	0.409	0.399	0.303	0.367	14.4	
Carbon Tetrachloride	0.467	0.457	0.491	0.516	0.534	0.488	0.492	5.9	
cis-1,2-Dichloroethene	0.601	0.763	0.715	0.731	0.711	0.679	0.700	7.9	
Bromochloromethane	0.521	0.542	0.550	0.548	0.528	0.423	0.519	9.3	
Chloroform	1.142	1.316	1.258	1.253	1.210	1.028	1.201	8.5	
1,1,1-Trichloroethane	0.848	1.057	1.051	1.087	1.084	0.939	1.011	9.5	
Methylcyclohexane	0.512	0.566	0.572	0.580	0.592	0.571	0.566	4.9	
Benzene	1.291	1.449	1.463	1.448	1.399	1.324	1.396	5.2	
1,2-Dichloroethane	0.473	0.586	0.603	0.599	0.577	0.437	0.546	13.2	
Trichloroethene	0.355	0.364	0.358	0.349	0.353	0.362	0.357	1.6	
1,2-Dichloropropane	0.314	0.340	0.363	0.362	0.353	0.310	0.340	6.9	
Bromodichloromethane	0.401	0.472	0.503	0.524	0.530	0.459	0.482	10	
4-Methyl-2-Pentanone	0.361	0.455	0.486	0.491	0.477	0.354	0.437	14.4	
Toluene	0.736	0.867	0.896	0.878	0.865	0.811	0.842	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				
t-1,3-Dichloropropene	0.330	0.416	0.486	0.519	0.537	0.473	0.460	16.6				
cis-1,3-Dichloropropene	0.426	0.480	0.533	0.570	0.575	0.521	0.517	11				
1,1,2-Trichloroethane	0.308	0.345	0.349	0.345	0.326	0.308	0.330	5.7				
2-Hexanone	0.232	0.310	0.348	0.359	0.348	0.259	0.309	17.1				
Dibromochloromethane	0.231	0.305	0.339	0.368	0.371	0.362	0.329	16.4				
1,2-Dibromoethane	0.282	0.340	0.359	0.349	0.344	0.327	0.333	8.2				
Tetrachloroethene	0.360	0.370	0.362	0.346	0.338	0.345	0.354	3.5				
Chlorobenzene	0.977	1.089	1.086	1.088	1.063	1.065	1.061	4				
Ethyl Benzene	1.555	1.854	1.919	1.928	1.895	1.783	1.822	7.8				
m/p-Xylenes	0.518	0.677	0.713	0.715	0.711	0.684	0.670	11.4				
o-Xylene	0.636	0.650	0.696	0.696	0.693	0.683	0.676	3.8				
Styrene	0.790	1.026	1.156	1.187	1.181	1.145	1.081	14.3				
Bromoform	0.153	0.200	0.225	0.248	0.271	0.293	0.232	21.9				
Isopropylbenzene	3.392	3.801	3.892	3.885	3.740	3.516	3.704	5.6				
1,1,2,2-Tetrachloroethane	1.145	1.320	1.227	1.255	1.166	1.051	1.194	7.9				
1,3-Dichlorobenzene	1.456	1.659	1.683	1.688	1.629	1.653	1.628	5.4				
1,4-Dichlorobenzene	1.762	1.780	1.665	1.685	1.637	1.646	1.696	3.6				
1,2-Dichlorobenzene	1.560	1.699	1.669	1.699	1.612	1.630	1.645	3.3				
1,2-Dibromo-3-Chloropropane	0.197	0.208	0.221	0.249	0.257	0.226	0.226	10.2				
1,2,4-Trichlorobenzene	0.818	0.899	0.942	0.995	1.024	1.123	0.967	10.9				
1,2,3-Trichlorobenzene	0.849	0.922	0.992	1.019	1.022	1.124	0.988	9.5				
1,2-Dichloroethane-d4		0.919	0.850	0.817	0.819	0.626	0.806	13.5				
Dibromofluoromethane		0.354	0.347	0.335	0.348	0.330	0.343	3				
Toluene-d8		1.192	1.213	1.156	1.185	1.109	1.171	3.5				
4-Bromofluorobenzene		0.404	0.416	0.415	0.432	0.400	0.413	3				

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