

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4718 SAS No.: P4718 SDG No.: P4718

Instrument ID: MSVOA_N Calibration Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Calibration Time(s): 11:46 13:45

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF100 = VN084570.D		RRF050 = VN084571.D		RRF020 = VN084572.D			
		RRF010 = VN084573.D		RRF005 = VN084574.D		RRF001 = VN084575.D			
COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	RRF	% RSD	
Dichlorodifluoromethane	0.571	0.552	0.552	0.598	0.594	0.581	0.575	3.4	
Chloromethane	0.658	0.672	0.725	0.871	0.995	1.789	0.952	45.2	
Vinyl Chloride	0.613	0.605	0.623	0.636	0.651	0.581	0.618	4	
Bromomethane	0.292	0.296	0.310	0.336	0.405		0.328	14.2	
Chloroethane	0.378	0.376	0.413	0.426	0.475	0.863	0.488	38.3	
Trichlorofluoromethane	0.971	0.959	1.017	1.022	1.070	1.071	1.018	4.7	
1,1,2-Trichlorotrifluoroethane	0.566	0.557	0.571	0.585	0.588	0.586	0.575	2.2	
1,1-Dichloroethene	0.548	0.538	0.560	0.575	0.552	0.644	0.569	6.8	
Acetone	0.209	0.204	0.213	0.223	0.241	0.338	0.238	21.3	
Carbon Disulfide	1.604	1.603	1.700	1.714	1.784	2.117	1.753	10.9	
Methyl tert-butyl Ether	1.773	1.758	1.802	1.779	1.786	1.572	1.745	4.9	
Methyl Acetate	0.731	0.749	0.954	1.044	1.266	2.291	1.172	49.7	
Methylene Chloride	0.604	0.602	0.633	0.658	0.714	0.600	0.635	7.1	
trans-1,2-Dichloroethene	0.565	0.563	0.596	0.600	0.584	0.601	0.585	2.9	
1,1-Dichloroethane	1.067	1.066	1.114	1.127	1.203	1.033	1.102	5.5	
Cyclohexane	0.956	0.938	0.956	1.043	1.093		0.997	6.8	
2-Butanone	0.316	0.315	0.348	0.338	0.370	0.334	0.337	6.1	
Carbon Tetrachloride	0.530	0.514	0.532	0.548	0.537	0.488	0.525	4	
cis-1,2-Dichloroethene	0.675	0.662	0.697	0.685	0.705	0.673	0.683	2.4	
Bromochloromethane	0.483	0.511	0.388	0.415	0.408	0.429	0.439	10.8	
Chloroform	1.099	1.086	1.142	1.154	1.222	1.025	1.121	6	
1,1,1-Trichloroethane	1.000	0.991	1.046	1.073	1.032	0.980	1.021	3.5	
Methylcyclohexane	0.546	0.509	0.495	0.487	0.458	0.371	0.478	12.5	
Benzene	1.494	1.448	1.509	1.507	1.546	1.540	1.507	2.4	
1,2-Dichloroethane	0.488	0.494	0.493	0.492	0.503	0.459	0.488	3.1	
Trichloroethene	0.339	0.335	0.345	0.338	0.341	0.387	0.348	5.7	
1,2-Dichloropropane	0.356	0.348	0.358	0.357	0.373	0.330	0.354	4	
Bromodichloromethane	0.528	0.521	0.526	0.522	0.529	0.530	0.526	0.7	
4-Methyl-2-Pentanone	0.424	0.423	0.416	0.417	0.412	0.344	0.406	7.6	
Toluene	0.923	0.899	0.919	0.902	0.891	0.757	0.882	7.1	

* 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	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	RRF	% RSD					
t-1,3-Dichloropropene	0.552	0.543	0.538	0.532	0.547	0.555	0.544	1.6					
cis-1,3-Dichloropropene	0.592	0.581	0.582	0.569	0.584	0.548	0.576	2.7					
1,1,2-Trichloroethane	0.336	0.329	0.334	0.342	0.342	0.309	0.332	3.7					
2-Hexanone	0.314	0.312	0.301	0.297	0.294	0.256	0.296	7.1					
Dibromochloromethane	0.404	0.394	0.391	0.393	0.377	0.312	0.378	8.9					
1,2-Dibromoethane	0.340	0.333	0.341	0.335	0.355	0.336	0.340	2.4					
Tetrachloroethene	0.326	0.313	0.333	0.347	0.351	0.325	0.333	4.3					
Chlorobenzene	1.068	1.061	1.149	1.123	1.165	1.146	1.119	3.9					
Ethyl Benzene	1.957	1.891	1.928	1.880	1.849	1.697	1.867	4.9					
m/p-Xylenes	0.737	0.728	0.737	0.701	0.683	0.654	0.707	4.8					
o-Xylene	0.703	0.690	0.701	0.679	0.645	0.550	0.661	8.9					
Styrene	1.223	1.205	1.206	1.144	1.093	1.050	1.154	6.1					
Bromoform	0.287	0.295	0.298	0.289	0.302	0.286	0.293	2.3					
Isopropylbenzene	3.558	3.570	3.701	3.605	3.402	3.188	3.504	5.2					
1,1,2,2-Tetrachloroethane	1.052	1.073	1.163	1.190	1.317	1.222	1.170	8.4					
1,3-Dichlorobenzene	1.642	1.668	1.770	1.802	1.884	2.264	1.838	12.3					
1,4-Dichlorobenzene	1.646	1.674	1.782	1.867	1.879	2.773	1.937	21.7					
1,2-Dichlorobenzene	1.601	1.618	1.748	1.732	1.879	2.021	1.766	9.1					
1,2-Dibromo-3-Chloropropane	0.204	0.217	0.229	0.226	0.274	0.272	0.237	12.3					
1,2,4-Trichlorobenzene	0.852	0.865	0.895	0.881	0.956	1.353	0.967	19.9					
1,2,3-Trichlorobenzene	0.832	0.841	0.953	0.877	0.939	1.189	0.939	14.1					
1,2-Dichloroethane-d4	0.689	0.721	0.708	0.722	0.771		0.722	4.2					
Dibromofluoromethane	0.334	0.344	0.326	0.336	0.353		0.338	3.1					
Toluene-d8	1.267	1.303	1.216	1.231	1.217		1.247	3					
4-Bromofluorobenzene	0.481	0.493	0.450	0.451	0.454		0.466	4.3					

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