

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06
Lab Code: CHEM Case No.: P4665 SAS No.: P4665 SDG No.: P4665
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	
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	
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	
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	
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	
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	

* 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	
Dibromochloromethane	0.404	0.394	0.391	0.393	0.377	0.312	0.378	8.9	
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-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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