

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_Y Calibration Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) Y Calibration Time(s): 12:39 14:52

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

LAB FILE ID:		RRF005 = VY020075.D		RRF010 = VY020076.D		RRF020 = VY020077.D			
		RRF050 = VY020078.D		RRF100 = VY020079.D		RRF150 = VY020080.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Dichlorodifluoromethane	0.507	0.488	0.482	0.381	0.456	0.463	0.463	9.5	
Chloromethane	0.831	0.835	0.791	0.683	0.731	0.728	0.767	8.1	
Vinyl Chloride	0.867	0.874	0.835	0.754	0.809	0.799	0.823	5.5	
Bromomethane	0.631	0.574	0.545	0.480	0.521	0.528	0.546	9.5	
Chloroethane	0.562	0.555	0.546	0.486	0.527	0.511	0.531	5.5	
Trichlorofluoromethane	1.025	1.018	1.037	0.927	1.012	1.014	1.005	3.9	
1,1,2-Trichlorotrifluoroethane	0.597	0.584	0.567	0.509	0.561	0.565	0.564	5.3	
1,1-Dichloroethene	0.534	0.578	0.536	0.493	0.543	0.552	0.540	5.1	
Acetone	0.134	0.138	0.138	0.140	0.165	0.155	0.145	8.5	
Carbon Disulfide	1.790	1.835	1.806	1.674	1.832	1.837	1.796	3.5	
Methyl tert-butyl Ether	1.229	1.344	1.376	1.241	1.483	1.471	1.357	8	
Methyl Acetate	0.314	0.357	0.351	0.317	0.362	0.342	0.340	6	
Methylene Chloride	0.807	0.716	0.641	0.555	0.597	0.597	0.652	14.3	
trans-1,2-Dichloroethene	0.611	0.618	0.613	0.564	0.616	0.628	0.609	3.7	
1,1-Dichloroethane	1.155	1.209	1.189	1.070	1.194	1.200	1.170	4.5	
Cyclohexane	1.284	1.206	1.138	0.986	1.093	1.088	1.132	9.1	
2-Butanone	0.187	0.197	0.192	0.179	0.219	0.206	0.197	7.3	
Carbon Tetrachloride	0.467	0.491	0.499	0.462	0.519	0.524	0.494	5.2	
cis-1,2-Dichloroethene	0.646	0.714	0.715	0.646	0.740	0.736	0.700	6.1	
Bromochloromethane	0.572	0.562	0.527	0.505	0.553	0.567	0.548	4.8	
Chloroform	1.141	1.170	1.186	1.068	1.196	1.203	1.161	4.3	
1,1,1-Trichloroethane	0.986	1.026	1.009	0.950	1.041	1.069	1.013	4.1	
Methylcyclohexane	0.603	0.602	0.631	0.578	0.665	0.661	0.623	5.6	
Benzene	1.414	1.405	1.455	1.325	1.504	1.498	1.433	4.7	
1,2-Dichloroethane	0.379	0.391	0.402	0.365	0.425	0.418	0.397	5.8	
Trichloroethene	0.328	0.331	0.332	0.307	0.348	0.346	0.332	4.4	
1,2-Dichloropropane	0.323	0.331	0.357	0.320	0.363	0.364	0.343	6	
Bromodichloromethane	0.459	0.476	0.487	0.451	0.526	0.522	0.487	6.4	
4-Methyl-2-Pentanone	0.190	0.223	0.238	0.219	0.269	0.252	0.232	11.9	
Toluene	0.803	0.859	0.900	0.833	0.953	0.953	0.884	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	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD					
t-1,3-Dichloropropene	0.369	0.400	0.436	0.401	0.486	0.487	0.430	11.3					
cis-1,3-Dichloropropene	0.446	0.485	0.518	0.484	0.573	0.573	0.513	10					
1,1,2-Trichloroethane	0.206	0.225	0.235	0.216	0.257	0.248	0.231	8.4					
2-Hexanone	0.131	0.161	0.168	0.158	0.198	0.182	0.166	13.7					
Dibromochloromethane	0.256	0.281	0.300	0.273	0.332	0.326	0.295	10.3					
1,2-Dibromoethane	0.203	0.214	0.215	0.196	0.233	0.228	0.215	6.7					
Tetrachloroethene	0.326	0.316	0.344	0.307	0.344	0.343	0.330	4.8					
Chlorobenzene	1.024	1.044	1.094	0.993	1.114	1.124	1.065	5					
Ethyl Benzene	1.886	1.934	2.015	1.876	2.114	2.124	1.992	5.5					
m/p-Xylenes	0.685	0.693	0.742	0.692	0.779	0.782	0.729	6.2					
o-Xylene	0.652	0.662	0.686	0.649	0.745	0.745	0.690	6.5					
Styrene	0.985	1.080	1.154	1.093	1.259	1.273	1.141	9.8					
Bromoform	0.151	0.162	0.173	0.165	0.202	0.195	0.175	11.4					
Isopropylbenzene	4.065	3.829	3.995	3.685	4.099	4.293	3.994	5.3					
1,1,2,2-Tetrachloroethane	0.716	0.707	0.698	0.624	0.727	0.719	0.699	5.4					
1,3-Dichlorobenzene	1.659	1.521	1.680	1.509	1.703	1.774	1.641	6.4					
1,4-Dichlorobenzene	1.680	1.604	1.653	1.487	1.666	1.716	1.634	5					
1,2-Dichlorobenzene	1.391	1.384	1.460	1.310	1.483	1.530	1.426	5.6					
1,2-Dibromo-3-Chloropropane	0.107	0.104	0.106	0.092	0.114	0.112	0.106	7.6					
1,2,4-Trichlorobenzene	0.652	0.708	0.784	0.693	0.865	0.895	0.766	12.8					
1,2,3-Trichlorobenzene	0.578	0.606	0.653	0.575	0.737	0.754	0.650	12.1					
1,2-Dichloroethane-d4	0.608	0.657	0.578	0.586	0.668	0.647	0.624	6.1					
Dibromofluoromethane	0.305	0.317	0.300	0.305	0.340	0.340	0.318	5.7					
Toluene-d8	1.187	1.251	1.187	1.224	1.380	1.364	1.265	6.8					
4-Bromofluorobenzene	0.371	0.402	0.376	0.399	0.463	0.454	0.411	9.5					

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