

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4615 SAS No.: P4615 SDG No.: P4615

Instrument ID: MSVOA_X Calibration Date(s): 10/28/2024 10/28/2024

Heated Purge: (Y/N) N Calibration Time(s): 10:59 12:54

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:	RRF001 = VX043556.D		RRF005 = VX043557.D		RRF020 = VX043558.D			
	RRF050 = VX043559.D		RRF100 = VX043560.D		RRF150 = VX043561.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.589	0.553	0.552	0.506	0.522	0.485	0.535	7
Chloromethane	0.795	0.703	0.678	0.651	0.662	0.612	0.684	9.1
Vinyl Chloride	0.626	0.674	0.638	0.634	0.643	0.591	0.634	4.2
Bromomethane		0.267	0.246	0.262	0.260	0.258	0.259	2.9
Chloroethane	0.263	0.215	0.212	0.225	0.217	0.210	0.223	9
Trichlorofluoromethane	0.823	0.776	0.710	0.779	0.846	0.716	0.775	7.1
1,1,2-Trichlorotrifluoroethane	0.522	0.546	0.522	0.525	0.539	0.491	0.524	3.7
1,1-Dichloroethene	0.533	0.555	0.521	0.536	0.556	0.513	0.536	3.3
Acetone	0.365	0.320	0.294	0.312	0.314	0.295	0.317	8.2
Carbon Disulfide	1.067	0.974	1.007	1.134	1.310	1.227	1.120	11.6
Methyl tert-butyl Ether	1.992	2.025	2.038	2.080	2.086	1.999	2.037	1.9
Methyl Acetate	0.970	0.926	0.880	0.926	0.945	0.904	0.925	3.4
Methylene Chloride	0.772	0.699	0.663	0.663	0.665	0.633	0.682	7.2
trans-1,2-Dichloroethene	0.559	0.557	0.577	0.562	0.594	0.546	0.566	3
1,1-Dichloroethane	1.103	1.105	1.103	1.109	1.135	1.048	1.101	2.6
Cyclohexane		0.860	0.885	0.839	0.857	0.768	0.842	5.3
2-Butanone	0.427	0.462	0.457	0.483	0.484	0.459	0.462	4.5
Carbon Tetrachloride	0.462	0.442	0.423	0.444	0.465	0.429	0.444	3.8
cis-1,2-Dichloroethene	0.708	0.719	0.716	0.740	0.747	0.707	0.723	2.3
Bromochloromethane	0.512	0.529	0.531	0.507	0.545	0.516	0.524	2.7
Chloroform	1.171	1.170	1.165	1.163	1.166	1.087	1.154	2.8
1,1,1-Trichloroethane	0.939	0.949	0.978	0.986	1.020	0.939	0.969	3.3
Methylcyclohexane	0.475	0.509	0.515	0.510	0.512	0.473	0.499	3.9
Benzene	1.335	1.396	1.383	1.355	1.333	1.246	1.341	4
1,2-Dichloroethane	0.455	0.488	0.500	0.495	0.489	0.466	0.482	3.6
Trichloroethene	0.321	0.345	0.338	0.338	0.341	0.317	0.333	3.4
1,2-Dichloropropane	0.327	0.339	0.325	0.338	0.333	0.320	0.330	2.2
Bromodichloromethane	0.378	0.415	0.435	0.476	0.495	0.477	0.446	10
4-Methyl-2-Pentanone	0.416	0.497	0.507	0.525	0.518	0.491	0.492	8
Toluene	0.743	0.832	0.866	0.838	0.831	0.769	0.813	5.7

* 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.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06
 Lab Code: CHEM Case No.: P4615 SAS No.: P4615 SDG No.: P4615
 Instrument ID: MSVOA_X Calibration Date(s): 10/28/2024 10/28/2024
 Heated Purge: (Y/N) N Calibration Time(s): 10:59 12:54
 GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID:		RRF001 = VX043556.D		RRF005 = VX043557.D		RRF020 = VX043558.D			
		RRF050 = VX043559.D		RRF100 = VX043560.D		RRF150 = VX043561.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
t-1,3-Dichloropropene	0.421	0.424	0.485	0.509	0.526	0.510	0.479	9.6	
cis-1,3-Dichloropropene	0.393	0.495	0.535	0.543	0.560	0.536	0.510	12	
1,1,2-Trichloroethane	0.318	0.341	0.345	0.355	0.345	0.327	0.339	4.1	
2-Hexanone	0.333	0.369	0.380	0.400	0.392	0.368	0.374	6.3	
Dibromochloromethane	0.259	0.289	0.332	0.367	0.387	0.377	0.335	15.4	
1,2-Dibromoethane	0.314	0.351	0.361	0.367	0.369	0.346	0.351	5.8	
Tetrachloroethene	0.337	0.323	0.327	0.309	0.308	0.284	0.314	5.8	
Chlorobenzene	1.098	1.110	1.083	1.075	1.081	1.007	1.076	3.3	
Ethyl Benzene	1.757	1.763	1.799	1.777	1.794	1.634	1.754	3.5	
m/p-Xylenes	0.625	0.680	0.708	0.691	0.691	0.629	0.671	5.2	
o-Xylene	0.616	0.698	0.698	0.689	0.698	0.645	0.674	5.2	
Styrene	1.007	1.055	1.174	1.183	1.189	1.114	1.120	6.8	
Bromoform	0.203	0.206	0.230	0.275	0.304	0.297	0.253	17.9	
Isopropylbenzene	3.522	3.684	3.705	3.560	3.549	3.230	3.542	4.8	
1,1,2,2-Tetrachloroethane	1.210	1.355	1.316	1.292	1.276	1.193	1.274	4.9	
1,3-Dichlorobenzene	1.645	1.695	1.647	1.646	1.654	1.548	1.639	3	
1,4-Dichlorobenzene	1.917	1.720	1.694	1.653	1.657	1.551	1.699	7.1	
1,2-Dichlorobenzene	1.638	1.735	1.698	1.726	1.675	1.586	1.676	3.4	
1,2-Dibromo-3-Chloropropane	0.229	0.220	0.256	0.281	0.291	0.281	0.260	11.5	
1,2,4-Trichlorobenzene	0.865	1.008	0.999	1.080	1.099	1.052	1.017	8.3	
1,2,3-Trichlorobenzene	0.976	1.057	1.077	1.101	1.146	1.080	1.073	5.3	
1,2-Dichloroethane-d4		0.902	0.794	0.785	0.771	0.735	0.797	7.9	
Dibromofluoromethane		0.358	0.337	0.336	0.342	0.323	0.339	3.7	
Toluene-d8		1.255	1.206	1.175	1.159	1.072	1.174	5.8	
4-Bromofluorobenzene		0.446	0.431	0.444	0.439	0.415	0.435	2.9	

* 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.