

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JAC005

Lab Code: CHEM Case No.: P3609 SAS No.: P3609 SDG No.: P3609

Instrument ID: MSVOA_N Calibration Date(s): 08/07/2024 08/07/2024

Heated Purge: (Y/N) N Calibration Time(s): 10:33 12:34

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

LAB FILE ID:		RRF100 = VN083135.D		RRF050 = VN083136.D		RRF020 = VN083137.D			
		RRF010 = VN083138.D		RRF005 = VN083139.D		RRF001 = VN083140.D			
COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	RRF	% RSD	
Dichlorodifluoromethane	0.548	0.571	0.566	0.579	0.597	0.542	0.567	3.6	
Chloromethane	0.547	0.591	0.584	0.589	0.595	0.576	0.581	3.1	
Vinyl Chloride	0.562	0.598	0.588	0.612	0.586	0.607	0.592	3	
Bromomethane	0.313	0.357	0.370	0.385	0.413		0.368	10.1	
Chloroethane	0.340	0.356	0.356	0.355	0.381	0.436	0.371	9.3	
1,1,2-Trichlorotrifluoroethane	0.524	0.548	0.548	0.550	0.558	0.510	0.539	3.4	
1,1-Dichloroethene	0.524	0.544	0.538	0.564	0.581	0.575	0.554	4.1	
Acetone	0.302	0.286	0.260	0.284	0.274	0.265	0.278	5.5	
Carbon Disulfide	1.466	1.560	1.596	1.599	1.630	1.879	1.622	8.5	
Methyl tert-butyl Ether	1.927	2.028	2.028	2.015	2.053	1.953	2.001	2.5	
Methylene Chloride	0.569	0.599	0.619	0.614	0.640	0.805	0.641	13	
trans-1,2-Dichloroethene	0.533	0.574	0.577	0.586	0.568	0.599	0.573	3.9	
1,1-Dichloroethane	1.038	1.084	1.093	1.096	1.093	1.035	1.073	2.7	
Cyclohexane	0.933	0.982	1.010	1.110	1.238		1.055	11.5	
2-Butanone	0.418	0.427	0.424	0.430	0.414	0.453	0.428	3.2	
Carbon Tetrachloride	0.524	0.546	0.548	0.541	0.539	0.493	0.532	3.9	
cis-1,2-Dichloroethene	0.658	0.689	0.691	0.701	0.687	0.721	0.691	3	
Chloroform	1.087	1.137	1.110	1.132	1.122	1.102	1.115	1.7	
1,1,1-Trichloroethane	1.027	1.075	1.066	1.076	1.081	1.007	1.055	2.9	
Methylcyclohexane	0.565	0.597	0.587	0.583	0.575	0.572	0.580	2	
Benzene	1.386	1.447	1.431	1.429	1.403	1.343	1.406	2.7	
1,2-Dichloroethane	0.494	0.520	0.514	0.524	0.524	0.498	0.512	2.6	
Trichloroethene	0.331	0.344	0.343	0.341	0.340	0.310	0.335	3.9	
Bromodichloromethane	0.521	0.539	0.540	0.533	0.541	0.544	0.537	1.6	
Toluene	0.892	0.926	0.905	0.900	0.885	0.824	0.889	3.9	
1,1,2-Trichloroethane	0.322	0.334	0.331	0.327	0.314	0.283	0.318	6	
Dibromochloromethane	0.400	0.413	0.397	0.388	0.383	0.329	0.385	7.7	
Tetrachloroethene	0.319	0.343	0.338	0.343	0.324	0.320	0.331	3.5	
Chlorobenzene	1.070	1.142	1.101	1.153	1.094	1.069	1.105	3.2	
Ethyl Benzene	1.967	2.075	2.061	2.070	2.032	1.957	2.027	2.6	

* 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: JAC005
 Lab Code: CHEM Case No.: P3609 SAS No.: P3609 SDG No.: P3609
 Instrument ID: MSVOA_N Calibration Date(s): 08/07/2024 08/07/2024
 Heated Purge: (Y/N) N Calibration Time(s): 10:33 12:34
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF100 = VN083135.D		RRF050 = VN083136.D		RRF020 = VN083137.D		
		RRF010 = VN083138.D		RRF005 = VN083139.D		RRF001 = VN083140.D		
COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	RRF	% RSD
m/p-Xylenes	0.747	0.787	0.771	0.785	0.759	0.706	0.759	4
o-Xylene	0.735	0.773	0.759	0.773	0.750	0.703	0.749	3.6
Isopropylbenzene	3.822	4.249	4.133	4.386	4.249	4.254	4.182	4.6
1,4-Dichlorobenzene	1.655	1.783	1.728	1.751	1.795	1.862	1.762	4
1,2-Dichlorobenzene	1.571	1.704	1.664	1.739	1.731	1.741	1.692	3.9
1,2-Dichloroethane-d4	0.717	0.745	0.601	0.710	0.786		0.712	9.7
Dibromofluoromethane	0.311	0.332	0.264	0.307	0.346		0.312	10
Toluene-d8	1.201	1.261	0.985	1.133	1.240		1.164	9.6
4-Bromofluorobenzene	0.473	0.492	0.390	0.432	0.483		0.454	9.4

* 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.