

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance

Contract: YANN01

Lab Code: ACE

SDG No.: Q3238

Instrument ID: MSVOA_W

Calibration Date(s): 09/25/2025 09/25/2025

Heated Purge: (Y/N) Y

Calibration Time(s): 10:45 13:08

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

LAB FILE ID:		RRF005 = VW032258.D		RRF010 = VW032259.D		RRF020 = VW032260.D			
		RRF050 = VW032261.D		RRF100 = VW032262.D		RRF150 = VW032263.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Dichlorodifluoromethane	0.388	0.399	0.397	0.295	0.295	0.299	0.345	15.6	
Chloromethane	0.540	0.557	0.548	0.423	0.439	0.459	0.494	12.3	
Vinyl Chloride	0.611	0.628	0.654	0.537	0.514	0.522	0.578	10.5	
Bromomethane	0.403	0.424	0.435	0.367	0.360	0.377	0.394	7.9	
Chloroethane	0.416	0.408	0.434	0.359	0.356	0.376	0.391	8.3	
Trichlorofluoromethane	0.399	0.417	0.519	0.383	0.438	0.455	0.435	11.2	
1,1,2-Trichlorotrifluoroethane	0.593	0.587	0.625	0.526	0.495	0.508	0.556	9.5	
1,1-Dichloroethene	0.595	0.633	0.670	0.551	0.550	0.565	0.594	8.2	
Acetone	0.216	0.252	0.242	0.164	0.162	0.180	0.203	19.6	
Carbon Disulfide	1.364	1.439	1.543	1.260	1.262	1.324	1.365	8.1	
Methyl tert-butyl Ether	1.055	1.094	1.201	1.071	1.060	1.123	1.101	5	
Methyl Acetate	0.637	0.602	0.639	0.738	0.749	0.818	0.697	12	
Methylene Chloride	1.758	1.269	0.843	0.747	0.661	0.666	0.991	44.3	
trans-1,2-Dichloroethene	0.633	0.668	0.703	0.605	0.602	0.630	0.640	6	
1,1-Dichloroethane	1.313	1.343	1.418	1.232	1.201	1.250	1.293	6.2	
Cyclohexane	1.132	1.088	1.139	0.912	0.912	0.933	1.019	10.9	
2-Butanone	0.282	0.300	0.307	0.252	0.260	0.296	0.283	7.9	
Carbon Tetrachloride	0.442	0.462	0.505	0.447	0.452	0.429	0.456	5.8	
cis-1,2-Dichloroethene	0.803	0.821	0.843	0.763	0.760	0.789	0.796	4.1	
Bromochloromethane	0.662	0.629	0.656	0.589	0.586	0.579	0.617	6	
Chloroform	1.400	1.413	1.489	1.286	1.227	1.278	1.349	7.4	
1,1,1-Trichloroethane	0.927	0.946	0.985	0.873	0.852	0.869	0.909	5.7	
Methylcyclohexane	0.507	0.545	0.596	0.569	0.584	0.564	0.561	5.7	
Benzene	1.503	1.545	1.639	1.516	1.515	1.438	1.526	4.3	
1,2-Dichloroethane	0.545	0.518	0.537	0.486	0.488	0.470	0.507	6	
Trichloroethene	0.343	0.371	0.382	0.346	0.359	0.339	0.357	4.7	
1,2-Dichloropropane	0.391	0.408	0.423	0.393	0.384	0.372	0.395	4.5	
Bromodichloromethane	0.549	0.544	0.577	0.558	0.557	0.541	0.554	2.4	
4-Methyl-2-Pentanone	0.327	0.346	0.370	0.324	0.338	0.342	0.341	4.8	
Toluene	0.894	0.955	1.010	0.937	0.963	0.916	0.946	4.3	

* 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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Lab Code: <u>ACE</u>	SDG No.: <u>Q3238</u>
Instrument ID: <u>MSVOA_W</u>	Calibration Date(s): <u>09/25/2025</u> <u>09/25/2025</u>
Heated Purge: (Y/N) <u>Y</u>	Calibration Time(s): <u>10:45</u> <u>13:08</u>
GC Column: <u>RXI-624</u> ID: <u>0.25</u> (mm)	

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COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
t-1,3-Dichloropropene	0.440	0.478	0.521	0.507	0.554	0.547	0.508	8.5
cis-1,3-Dichloropropene	0.525	0.558	0.618	0.590	0.614	0.611	0.586	6.4
1,1,2-Trichloroethane	0.343	0.339	0.359	0.316	0.316	0.318	0.332	5.4
2-Hexanone	0.215	0.224	0.255	0.225	0.236	0.243	0.233	6.1
Dibromochloromethane	0.354	0.352	0.371	0.369	0.377	0.364	0.364	2.7
1,2-Dibromoethane	0.310	0.313	0.337	0.308	0.308	0.309	0.314	3.6
Tetrachloroethene	0.297	0.331	0.323	0.301	0.288	0.288	0.305	6
Chlorobenzene	1.146	1.205	1.234	1.126	1.109	1.091	1.152	4.9
Ethyl Benzene	1.710	1.890	1.993	1.882	1.927	1.908	1.885	5
m/p-Xylenes	0.647	0.728	0.793	0.721	0.729	0.717	0.723	6.4
o-Xylene	0.590	0.670	0.711	0.704	0.707	0.694	0.679	6.8
Styrene	0.977	1.180	1.315	1.247	1.223	1.204	1.191	9.6
Bromoform	0.186	0.222	0.219	0.210	0.214	0.223	0.212	6.5
Isopropylbenzene	3.005	3.296	3.600	3.704	3.535	3.740	3.480	8.1
1,1,2,2-Tetrachloroethane	0.955	0.945	0.943	0.886	0.843	0.902	0.912	4.7
1,3-Dichlorobenzene	1.700	1.684	1.659	1.737	1.656	1.722	1.693	1.9
1,4-Dichlorobenzene	1.811	1.770	1.807	1.674	1.631	1.685	1.730	4.4
1,2-Dichlorobenzene	1.587	1.636	1.663	1.630	1.465	1.524	1.584	4.8
1,2-Dibromo-3-Chloropropane	0.167	0.156	0.156	0.144	0.148	0.166	0.156	5.8
1,2,4-Trichlorobenzene	0.850	0.888	0.943	0.960	0.961	1.035	0.940	6.8
1,2,3-Trichlorobenzene	0.807	0.849	0.861	0.892	0.881	0.953	0.874	5.6
1,2-Dichloroethane-d4	0.886	0.863	0.864	0.708	0.703	0.714	0.789	11.3
Dibromofluoromethane	0.393	0.364	0.379	0.347	0.342	0.332	0.360	6.5
Toluene-d8	1.334	1.339	1.372	1.252	1.274	1.205	1.296	4.9
4-Bromofluorobenzene	0.505	0.491	0.511	0.482	0.486	0.458	0.489	3.8

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