

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance

Contract: DAYE01

Lab Code: ACE

SDG No.: Q2816

Instrument ID: MSVOA_N

Calibration Date(s): 07/16/2025 07/16/2025

Heated Purge: (Y/N) N

Calibration Time(s): 17:05 18:54

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

LAB FILE ID:		RRF001 = VN087328.D		RRF005 = VN087329.D		RRF020 = VN087330.D			
		RRF050 = VN087331.D		RRF100 = VN087332.D		RRF150 = VN087333.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Dichlorodifluoromethane	0.447	0.443	0.443	0.623	0.606	0.625	0.531	18	
Chloromethane	0.714	0.659	0.588	0.690	0.659	0.698	0.668	6.7	
Vinyl Chloride	0.554	0.665	0.623	0.728	0.692	0.720	0.664	9.9	
Bromomethane		0.328	0.308	0.355	0.356	0.370	0.344	7.2	
Chloroethane	0.396	0.485	0.431	0.441	0.415	0.429	0.433	7	
Trichlorofluoromethane	0.959	0.975	0.963	1.025	0.960	1.007	0.981	2.8	
1,1,2-Trichlorotrifluoroethane	0.463	0.495	0.539	0.525	0.491	0.509	0.504	5.3	
1,1-Dichloroethene	0.635	0.641	0.553	0.545	0.514	0.537	0.571	9.4	
Acetone	0.455	0.426	0.393	0.387	0.361	0.366	0.398	9.2	
Carbon Disulfide	1.686	1.685	1.669	1.733	1.643	1.739	1.693	2.2	
Methyl tert-butyl Ether	1.911	2.099	2.106	2.167	2.129	2.213	2.104	4.9	
Methyl Acetate	1.007	1.052	0.991	0.991	0.962	0.993	0.999	3	
Methylene Chloride	1.107	0.788	0.700	0.672	0.655	0.672	0.766	22.7	
trans-1,2-Dichloroethene	0.667	0.669	0.643	0.653	0.618	0.613	0.644	3.7	
1,1-Dichloroethane	1.304	1.325	1.254	1.222	1.185	1.212	1.250	4.4	
Cyclohexane		1.148	1.039	1.046	0.981	1.002	1.043	6.2	
2-Butanone	0.552	0.608	0.650	0.643	0.617	0.618	0.615	5.7	
Carbon Tetrachloride	0.453	0.523	0.498	0.517	0.504	0.518	0.502	5.1	
cis-1,2-Dichloroethene	0.704	0.737	0.747	0.767	0.740	0.751	0.741	2.8	
Bromochloromethane	0.596	0.640	0.578	0.595	0.597	0.584	0.598	3.6	
Chloroform	1.181	1.299	1.303	1.279	1.214	1.234	1.251	4	
1,1,1-Trichloroethane	1.043	1.146	1.096	1.084	1.049	1.085	1.084	3.4	
Methylcyclohexane	0.447	0.442	0.482	0.529	0.519	0.541	0.493	8.6	
Benzene	1.370	1.430	1.502	1.553	1.483	1.499	1.473	4.3	
1,2-Dichloroethane	0.553	0.565	0.569	0.567	0.544	0.552	0.558	1.8	
Trichloroethene	0.373	0.330	0.337	0.356	0.339	0.352	0.348	4.5	
1,2-Dichloropropane	0.335	0.367	0.395	0.395	0.376	0.378	0.374	5.9	
Bromodichloromethane	0.568	0.572	0.559	0.569	0.553	0.565	0.564	1.2	
4-Methyl-2-Pentanone	0.551	0.641	0.685	0.689	0.658	0.652	0.646	7.8	
Toluene	0.774	0.849	0.940	0.963	0.916	0.929	0.895	7.9	

* 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.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance

Contract: DAYE01

Lab Code: ACE

SDG No.: Q2816

Instrument ID: MSVOA_N

Calibration Date(s): 07/16/2025 07/16/2025

Heated Purge: (Y/N) N

Calibration Time(s): 17:05 18:54

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

LAB FILE ID:		RRF001 = VN087328.D		RRF005 = VN087329.D		RRF020 = VN087330.D			
		RRF050 = VN087331.D		RRF100 = VN087332.D		RRF150 = VN087333.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
t-1,3-Dichloropropene	0.459	0.536	0.586	0.621	0.607	0.619	0.571	11.1	
cis-1,3-Dichloropropene	0.489	0.564	0.602	0.632	0.620	0.632	0.590	9.4	
1,1,2-Trichloroethane	0.367	0.364	0.365	0.367	0.357	0.354	0.362	1.6	
2-Hexanone	0.279	0.373	0.465	0.495	0.481	0.479	0.429	19.9	
Dibromochloromethane	0.352	0.416	0.425	0.430	0.424	0.433	0.413	7.4	
1,2-Dibromoethane	0.367	0.373	0.391	0.385	0.381	0.389	0.381	2.5	
Tetrachloroethene	0.329	0.338	0.317	0.320	0.310	0.317	0.322	3.2	
Chlorobenzene	1.139	1.131	1.133	1.119	1.092	1.122	1.123	1.5	
Ethyl Benzene	1.643	1.738	1.882	1.942	1.905	1.979	1.848	7	
m/p-Xylenes	0.541	0.646	0.717	0.758	0.734	0.756	0.692	12.2	
o-Xylene	0.491	0.606	0.702	0.723	0.710	0.734	0.661	14.4	
Styrene	0.726	1.032	1.186	1.255	1.217	1.257	1.112	18.6	
Bromoform	0.246	0.302	0.314	0.328	0.322	0.337	0.308	10.7	
Isopropylbenzene	2.524	2.889	3.242	3.396	3.302	3.529	3.147	11.9	
1,1,2,2-Tetrachloroethane	1.159	1.181	1.228	1.207	1.156	1.174	1.184	2.4	
1,3-Dichlorobenzene	1.448	1.592	1.651	1.658	1.588	1.674	1.602	5.2	
1,4-Dichlorobenzene	1.807	1.709	1.742	1.703	1.627	1.677	1.711	3.6	
1,2-Dichlorobenzene	1.303	1.534	1.596	1.577	1.510	1.583	1.517	7.2	
1,2-Dibromo-3-Chloropropane	0.339	0.325	0.304	0.302	0.290	0.305	0.311	5.8	
1,2,4-Trichlorobenzene	0.761	0.860	0.875	0.937	0.921	0.994	0.891	8.9	
1,2,3-Trichlorobenzene	0.803	0.844	0.887	0.922	0.917	0.992	0.894	7.4	
1,2-Dichloroethane-d4		0.939	0.820	0.802	0.818	0.863	0.848	6.6	
Dibromofluoromethane		0.347	0.341	0.332	0.348	0.356	0.345	2.6	
Toluene-d8		1.180	1.176	1.224	1.255	1.316	1.230	4.7	
4-Bromofluorobenzene		0.405	0.433	0.455	0.476	0.505	0.455	8.5	

* 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.