

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance

Contract: CORE02

Lab Code: ACE

SDG No.: Q3741

Instrument ID: MSVOA_Y

Calibration Date(s): 11/26/2025 11/26/2025

Heated Purge: (Y/N) Y

Calibration Time(s): 08:04 10:02

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

LAB FILE ID:		RRF005 = VY023809.D		RRF010 = VY023810.D		RRF020 = VY023811.D			
		RRF050 = VY023812.D		RRF100 = VY023813.D		RRF150 = VY023814.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Dichlorodifluoromethane	0.422	0.412	0.414	0.340	0.339	0.334	0.377	11.4	
Chloromethane	0.640	0.632	0.607	0.531	0.532	0.515	0.576	9.8	
Vinyl Chloride	0.662	0.655	0.640	0.604	0.602	0.580	0.624	5.3	
Bromomethane	0.543	0.480	0.439	0.386	0.402	0.390	0.440	14	
Chloroethane	0.437	0.420	0.420	0.395	0.394	0.372	0.406	5.8	
Trichlorofluoromethane	0.906	0.865	0.874	0.815	0.805	0.793	0.843	5.3	
1,1,2-Trichlorotrifluoroethane	0.537	0.509	0.501	0.473	0.477	0.455	0.492	6	
1,1-Dichloroethene	0.508	0.487	0.491	0.471	0.476	0.471	0.484	3	
Acetone	0.148	0.138	0.137	0.135	0.150	0.133	0.140	5.1	
Carbon Disulfide	1.644	1.610	1.618	1.519	1.521	1.461	1.562	4.6	
Methyl tert-butyl Ether	1.182	1.158	1.200	1.242	1.355	1.287	1.237	6	
Methyl Acetate	0.273	0.264	0.262	0.257	0.299	0.270	0.271	5.5	
Methylene Chloride	0.755	0.662	0.582	0.530	0.530	0.500	0.593	16.5	
trans-1,2-Dichloroethene	0.553	0.537	0.543	0.526	0.539	0.518	0.536	2.3	
1,1-Dichloroethane	1.012	0.982	0.989	0.955	0.968	0.947	0.976	2.4	
Cyclohexane	1.060	0.953	0.937	0.896	0.903	0.867	0.936	7.2	
2-Butanone	0.169	0.163	0.163	0.169	0.192	0.171	0.171	6.4	
Carbon Tetrachloride	0.514	0.490	0.502	0.494	0.507	0.483	0.498	2.3	
cis-1,2-Dichloroethene	0.636	0.620	0.623	0.611	0.632	0.613	0.622	1.6	
Bromochloromethane	0.437	0.400	0.405	0.399	0.408	0.386	0.406	4.2	
Chloroform	1.025	0.991	0.996	0.961	0.969	0.943	0.981	3	
1,1,1-Trichloroethane	0.893	0.885	0.882	0.851	0.869	0.844	0.871	2.3	
Methylcyclohexane	0.598	0.572	0.591	0.604	0.631	0.603	0.600	3.2	
Benzene	1.415	1.388	1.434	1.383	1.410	1.355	1.398	2	
1,2-Dichloroethane	0.365	0.354	0.358	0.359	0.372	0.354	0.360	2	
Trichloroethene	0.366	0.347	0.371	0.355	0.362	0.350	0.359	2.6	
1,2-Dichloropropane	0.324	0.325	0.336	0.329	0.339	0.324	0.330	2	
Bromodichloromethane	0.468	0.460	0.468	0.463	0.484	0.460	0.467	1.9	
4-Methyl-2-Pentanone	0.183	0.185	0.199	0.219	0.252	0.223	0.210	12.6	
Toluene	0.818	0.831	0.883	0.892	0.908	0.866	0.866	4.1	

* 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.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:	<u>Alliance</u>	Contract:	<u>CORE02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3741</u>
Instrument ID:	<u>MSVOA_Y</u>	Calibration Date(s):	<u>11/26/2025</u> <u>11/26/2025</u>
Heated Purge: (Y/N)	<u>Y</u>	Calibration Time(s):	<u>08:04</u> <u>10:02</u>
GC Column:	<u>RXI-624</u> ID: <u>0.25</u> (mm)		

LAB FILE ID:		RRF005 = VY023809.D		RRF010 = VY023810.D		RRF020 = VY023811.D		
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COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
t-1,3-Dichloropropene	0.399	0.394	0.415	0.438	0.473	0.450	0.428	7.2
cis-1,3-Dichloropropene	0.488	0.489	0.509	0.516	0.548	0.526	0.512	4.5
1,1,2-Trichloroethane	0.233	0.230	0.235	0.242	0.257	0.240	0.240	4
2-Hexanone	0.131	0.135	0.147	0.162	0.190	0.167	0.155	14.2
Dibromochloromethane	0.305	0.308	0.321	0.322	0.347	0.326	0.321	4.7
1,2-Dibromoethane	0.218	0.207	0.219	0.220	0.243	0.226	0.222	5.4
Tetrachloroethene	0.525	0.455	0.510	0.470	0.442	0.445	0.474	7.4
Chlorobenzene	1.100	1.091	1.118	1.093	1.109	1.074	1.098	1.4
Ethyl Benzene	1.779	1.789	1.887	1.918	1.967	1.907	1.875	4
m/p-Xylenes	0.676	0.695	0.739	0.743	0.754	0.728	0.722	4.2
o-Xylene	0.633	0.643	0.679	0.690	0.724	0.695	0.677	5
Styrene	0.995	1.047	1.117	1.162	1.210	1.163	1.116	7.2
Bromoform	0.214	0.209	0.209	0.216	0.237	0.221	0.217	4.9
Isopropylbenzene	3.390	3.431	3.571	3.610	3.701	3.590	3.549	3.3
1,1,2,2-Tetrachloroethane	0.580	0.573	0.524	0.576	0.654	0.599	0.584	7.2
1,3-Dichlorobenzene	1.696	1.674	1.670	1.654	1.698	1.645	1.673	1.3
1,4-Dichlorobenzene	1.798	1.678	1.645	1.635	1.662	1.601	1.670	4.1
1,2-Dichlorobenzene	1.489	1.439	1.456	1.460	1.501	1.431	1.463	1.9
1,2-Dibromo-3-Chloropropane	0.104	0.094	0.085	0.095	0.110	0.100	0.098	8.7
1,2,4-Trichlorobenzene	0.855	0.777	0.835	0.877	0.949	0.940	0.872	7.5
1,2,3-Trichlorobenzene	0.711	0.658	0.710	0.740	0.817	0.820	0.743	8.7
1,2-Dichloroethane-d4	0.508	0.478	0.483	0.492	0.486	0.475	0.487	2.5
Dibromofluoromethane	0.299	0.285	0.297	0.303	0.299	0.295	0.296	2.1
Toluene-d8	1.161	1.125	1.183	1.212	1.209	1.170	1.176	2.8
4-Bromofluorobenzene	0.388	0.362	0.381	0.395	0.406	0.390	0.387	3.8

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