

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG No.: Q2259

Instrument ID: MSVOA_Y

Calibration Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y

Calibration Time(s): 11:46 13:39

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

LAB FILE ID:	RRF005 = VY022491.D			RRF010 = VY022492.D		RRF020 = VY022493.D			
	RRF050 = VY022494.D			RRF100 = VY022495.D		RRF150 = VY022496.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Dichlorodifluoromethane	0.433	0.542	0.495	0.413	0.397	0.405	0.448	13	
Chloromethane	1.320	1.590	1.431	1.230	1.178	1.185	1.322	12.3	
Vinyl Chloride	1.371	1.814	1.647	1.497	1.444	1.432	1.534	10.8	
Bromomethane	1.365	1.735	1.705	1.240	1.341	1.436	1.470	13.8	
Chloroethane	0.973	1.278	1.198	0.965	0.941	0.964	1.053	13.8	
Tetrahydrofuran	0.093	0.118	0.114	0.104	0.103	0.101	0.106	8.6	
Trichlorofluoromethane	1.135	1.492	1.430	1.224	1.223	1.310	1.302	10.5	
1,1,2-Trichlorotrifluoroethane	0.510	0.615	0.572	0.538	0.522	0.534	0.549	7.1	
1,1-Dichloroethene	0.469	0.577	0.549	0.518	0.510	0.523	0.524	7	
Acrylonitrile	0.106	0.138	0.133	0.126	0.122	0.120	0.124	8.9	
Acetone	0.130	0.119	0.120	0.116	0.105	0.092	0.114	11.6	
Carbon Disulfide	1.503	1.870	1.731	1.664	1.638	1.666	1.679	7.2	
Methyl tert-butyl Ether	1.307	1.618	1.571	1.470	1.435	1.462	1.477	7.4	
Methylene Chloride	0.861	0.700	0.637	0.574	0.548	0.550	0.645	18.7	
trans-1,2-Dichloroethene	0.522	0.651	0.612	0.571	0.574	0.592	0.587	7.4	
1,1-Dichloroethane	0.968	1.193	1.124	1.060	1.051	1.080	1.079	7	
2-Butanone	0.143	0.174	0.178	0.168	0.163	0.157	0.164	7.6	
Carbon Tetrachloride	0.415	0.516	0.497	0.508	0.508	0.537	0.497	8.5	
2,2-Dichloropropane	0.836	1.032	0.972	0.947	0.953	0.982	0.954	6.8	
cis-1,2-Dichloroethene	0.592	0.731	0.706	0.682	0.668	0.691	0.678	7	
Chloroform	0.960	1.183	1.109	1.058	1.043	1.062	1.069	6.9	
1,1,1-Trichloroethane	0.819	1.029	0.970	0.948	0.951	0.977	0.949	7.4	
1,1-Dichloropropene	0.416	0.512	0.492	0.486	0.490	0.510	0.484	7.3	
Benzene	1.213	1.487	1.473	1.441	1.452	1.518	1.431	7.7	
1,2-Dichloroethane	0.320	0.424	0.413	0.390	0.395	0.401	0.391	9.4	
Trichloroethene	0.294	0.388	0.353	0.355	0.350	0.358	0.350	8.7	
1,2-Dichloropropane	0.274	0.364	0.354	0.344	0.344	0.349	0.338	9.6	
Dibromomethane	0.158	0.199	0.201	0.193	0.192	0.197	0.190	8.5	
Bromodichloromethane	0.380	0.525	0.499	0.491	0.491	0.508	0.482	10.7	
4-Methyl-2-Pentanone	0.175	0.242	0.246	0.243	0.244	0.246	0.233	12.1	

* 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: Alliance

Contract: NOBI03

Lab Code: ACE

SDG No.: Q2259

Instrument ID: MSVOA_Y

Calibration Date(s): 06/02/2025 06/02/2025

Heated Purge: (Y/N) Y

Calibration Time(s): 11:46 13:39

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

LAB FILE ID:		RRF005 = VY022491.D		RRF010 = VY022492.D		RRF020 = VY022493.D			
		RRF050 = VY022494.D		RRF100 = VY022495.D		RRF150 = VY022496.D			
COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
Toluene	0.732	0.932	0.904	0.903	0.933	0.990	0.899	9.8	
t-1,3-Dichloropropene	0.350	0.468	0.476	0.461	0.468	0.487	0.452	11.2	
cis-1,3-Dichloropropene	0.423	0.549	0.545	0.537	0.544	0.558	0.526	9.7	
1,1,2-Trichloroethane	0.207	0.257	0.258	0.242	0.243	0.249	0.243	7.7	
1,3-Dichloropropane	0.358	0.462	0.448	0.435	0.434	0.443	0.430	8.6	
2-Hexanone	0.120	0.158	0.166	0.162	0.165	0.162	0.156	11.3	
Dibromochloromethane	0.248	0.320	0.325	0.314	0.319	0.323	0.308	9.6	
1,2-Dibromoethane	0.174	0.236	0.239	0.223	0.225	0.230	0.221	10.9	
Tetrachloroethene	0.375	0.474	0.448	0.437	0.416	0.432	0.430	7.7	
Chlorobenzene	0.949	1.170	1.102	1.116	1.120	1.182	1.106	7.5	
1,1,1,2-Tetrachloroethane	0.291	0.383	0.379	0.379	0.385	0.419	0.373	11.5	
Ethyl Benzene	1.655	2.090	2.006	2.083	2.148	2.332	2.052	10.9	
m/p-Xylenes	0.616	0.780	0.765	0.785	0.822	0.899	0.778	11.9	
o-Xylene	0.583	0.749	0.721	0.734	0.764	0.826	0.729	11	
Styrene	0.909	1.195	1.189	1.233	1.291	1.417	1.206	13.9	
Bromoform	0.161	0.209	0.200	0.201	0.206	0.214	0.198	9.7	
Isopropylbenzene	3.470	4.308	4.090	4.136	4.167	4.460	4.105	8.3	
1,1,2,2-Tetrachloroethane	0.570	0.738	0.692	0.682	0.671	0.689	0.674	8.3	
1,2,3-Trichloropropane	0.585	0.610	0.582	0.630	0.511	0.514	0.572	8.6	
Bromobenzene	0.723	0.924	0.890	0.868	0.867	0.925	0.866	8.6	
n-propylbenzene	4.424	5.221	4.962	5.067	5.051	5.357	5.014	6.4	
2-Chlorotoluene	2.378	2.742	2.654	2.676	2.666	2.828	2.657	5.7	
1,3,5-Trimethylbenzene	2.748	3.317	3.240	3.260	3.275	3.497	3.223	7.8	
4-Chlorotoluene	2.386	2.865	2.677	2.775	2.784	2.960	2.741	7.2	
tert-Butylbenzene	2.444	2.979	2.900	2.899	2.952	3.181	2.893	8.4	
1,2,4-Trimethylbenzene	2.719	3.307	3.189	3.220	3.304	3.599	3.223	8.9	
sec-Butylbenzene	3.877	4.652	4.352	4.466	4.488	4.746	4.430	6.9	
p-Isopropyltoluene	3.038	3.638	3.591	3.655	3.824	4.163	3.652	10	
1,3-Dichlorobenzene	1.514	1.783	1.730	1.733	1.809	1.963	1.755	8.3	
1,4-Dichlorobenzene	1.508	1.814	1.733	1.701	1.677	1.781	1.702	6.3	

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Lab Code: <u>ACE</u>	SDG No.: <u>Q2259</u>
Instrument ID: <u>MSVOA_Y</u>	Calibration Date(s): <u>06/02/2025</u> <u>06/02/2025</u>
Heated Purge: (Y/N) <u>Y</u>	Calibration Time(s): <u>11:46</u> <u>13:39</u>
GC Column: <u>RXI-624</u> ID: <u>0.25</u> (mm)	

LAB FILE ID:		RRF005 = VY022491.D		RRF010 = VY022492.D		RRF020 = VY022493.D		
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COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
n-Butylbenzene	2.956	3.551	3.459	3.534	3.537	3.750	3.464	7.7
1,2-Dichlorobenzene	1.246	1.582	1.547	1.512	1.490	1.564	1.490	8.3
1,2-Dibromo-3-Chloropropane	0.074	0.110	0.103	0.105	0.098	0.099	0.098	12.7
1,2,4-Trichlorobenzene	0.667	0.863	0.812	0.817	0.851	0.865	0.813	9.2
Hexachlorobutadiene	0.440	0.480	0.441	0.447	0.441	0.442	0.449	3.5
1,2,3-Trichlorobenzene	0.622	0.721	0.712	0.699	0.710	0.714	0.697	5.3
1,2-Dichloroethane-d4	0.523	0.574	0.556	0.591	0.552	0.559	0.559	4.1
Dibromofluoromethane	0.264	0.283	0.301	0.321	0.307	0.315	0.298	7.2
Toluene-d8	1.067	1.181	1.158	1.279	1.253	1.298	1.206	7.2
4-Bromofluorobenzene	0.339	0.339	0.347	0.372	0.373	0.386	0.359	5.6
trans-1,4-Dichloro-2-butene	0.203	0.255	0.241	0.234	0.241	0.247	0.237	7.6

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