

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:	<u>Alliance</u>	Contract:	<u>TETR06</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3017</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date(s):	<u>08/05/2025</u> <u>08/05/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Calibration Time(s):	<u>13:37</u> <u>15:01</u>
GC Column:	<u>RXI-624</u> ID: <u>0.25</u> (mm)		

LAB FILE ID: RRF005 = VN087452.D RRF020 = VN087453.D RRF050 = VN087454.D RRF100 = VN087455.D RRF150 = VN087456.D RRF =								
COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	RRF	% RSD
Dichlorodifluoromethane	1.779	2.065	1.842	2.012	2.094		1.959	7.1
Chloromethane	1.994	2.165	1.805	1.983	2.101		2.010	6.8
Vinyl Chloride	2.092	2.289	1.905	2.161	2.210		2.131	6.8
Bromomethane	1.027	1.160	1.070	1.220	1.291		1.154	9.3
Chloroethane	1.413	1.441	1.211	1.381	1.427		1.374	6.8
Trichlorofluoromethane	3.231	3.208	2.715	3.043	3.141		3.067	6.9
1,1,2-Trichlorotrifluoroethane	1.716	1.591	1.388	1.528	1.598		1.564	7.7
1,1-Dichloroethene	1.704	1.730	1.440	1.616	1.725		1.643	7.5
Acetone	0.421	0.418	0.335	0.356	0.361		0.378	10.3
Carbon Disulfide	5.413	5.176	4.534	5.095	5.266		5.097	6.6
Methyl tert-Butyl Ether	7.611	7.656	6.765	7.529	7.874		7.487	5.7
Methyl Acetate	2.942	3.094	2.763	3.128	3.234		3.032	6.1
Methylene Chloride	2.274	2.168	1.887	2.100	2.148		2.115	6.7
trans-1,2-Dichloroethene	2.081	2.014	1.729	1.927	2.019		1.954	7
1,1-Dichloroethane	3.979	4.147	3.567	3.949	4.076		3.944	5.7
Cyclohexane	0.573	0.582	0.517	0.581	0.581		0.567	4.9
2-Butanone	0.377	0.365	0.334	0.365	0.363		0.361	4.5
Carbon Tetrachloride	0.536	0.520	0.474	0.527	0.535		0.518	4.9
cis-1,2-Dichloroethene	2.477	2.499	2.149	2.403	2.493		2.404	6.1
Chloroform	4.236	4.223	3.738	4.105	4.280		4.116	5.4
1,1,1-Trichloroethane	0.651	0.618	0.571	0.636	0.645		0.624	5.2
Methylcyclohexane	0.603	0.572	0.512	0.576	0.575		0.568	5.9
Benzene	1.608	1.540	1.410	1.580	1.584		1.545	5.1
1,2-Dichloroethane	0.661	0.636	0.564	0.626	0.634		0.624	5.8
Trichloroethene	0.355	0.345	0.311	0.344	0.346		0.340	5
1,2-Dichloropropane	0.422	0.401	0.358	0.399	0.400		0.396	6
Bromodichloromethane	0.662	0.606	0.561	0.623	0.634		0.617	6
4-Methyl-2-Pentanone	0.813	0.802	0.713	0.780	0.751		0.772	5.3
Toluene	1.975	1.905	1.689	1.854	1.835		1.852	5.7
t-1,3-Dichloropropene	0.676	0.663	0.618	0.700	0.702		0.672	5.1

* 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.

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COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	RRF	% RSD
cis-1,3-Dichloropropene	0.687	0.664	0.629	0.696	0.704		0.676	4.5
1,1,2-Trichloroethane	0.385	0.375	0.344	0.386	0.388		0.375	4.9
2-Hexanone	0.484	0.527	0.504	0.561	0.545		0.524	5.9
Dibromochloromethane	0.427	0.424	0.402	0.455	0.460		0.434	5.5
1,2-Dibromoethane	0.401	0.400	0.364	0.414	0.413		0.399	5.1
Tetrachloroethene	0.320	0.292	0.270	0.290	0.289		0.292	6.1
Chlorobenzene	1.218	1.156	1.030	1.149	1.135		1.138	6
Ethyl Benzene	2.154	2.115	1.892	2.094	2.064		2.064	4.9
m/p-Xylenes	0.796	0.768	0.702	0.768	0.753		0.758	4.6
o-Xylene	0.791	0.754	0.681	0.756	0.745		0.745	5.4
Styrene	1.257	1.295	1.182	1.323	1.307		1.273	4.4
Bromoform	0.268	0.276	0.268	0.310	0.312		0.287	7.8
Isopropylbenzene	1.938	1.936	1.729	1.947	1.916		1.893	4.9
1,1,2,2-Tetrachloroethane	0.692	0.679	0.590	0.654	0.628		0.649	6.3
1,3,5-Trimethylbenzene	1.705	1.661	1.495	1.646	1.599		1.621	4.9
1,3-Dichlorobenzene	0.874	0.853	0.777	0.847	0.828		0.836	4.4
1,4-Dichlorobenzene	0.884	0.870	0.790	0.858	0.835		0.847	4.4
1,2-Dichlorobenzene	0.812	0.819	0.750	0.814	0.794		0.798	3.6
1,2-Dibromo-3-Chloropropane	0.173	0.170	0.149	0.166	0.164		0.164	5.7
1,2,4-Trichlorobenzene	0.495	0.478	0.435	0.486	0.490		0.477	5
1,2,3-Trichlorobenzene	0.495	0.478	0.435	0.486	0.490		0.477	5
1,2-Dichloroethane-d4	2.772	2.838	2.776	2.704	2.746		2.767	1.8
Toluene-d8	1.413	1.382	1.386	1.386	1.336		1.380	2
4-Bromofluorobenzene	0.512	0.520	0.522	0.520	0.508		0.516	1.1

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