

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance

Contract: ARDM01

Lab Code: ACE

SDG No.: Q3700

Instrument ID: MSVOA_N

Calibration Date(s): 11/13/2025 11/13/2025

Heated Purge: (Y/N) N

Calibration Time(s): 10:14 11:50

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

LAB FILE ID:		RRF005 = VN088274.D		RRF020 = VN088275.D		RRF050 = VN088276.D			
		RRF100 = VN088277.D		RRF150 = VN088278.D		RRF =			
COMPOUND		RRF005	RRF020	RRF050	RRF100	RRF150	RRF	RRF	% RSD
Chloromethane		2.094	2.291	2.114	2.068	2.305		2.174	5.2
Vinyl Chloride		2.166	2.413	2.246	2.166	2.505		2.299	6.7
Bromomethane		1.249	1.214	1.149	1.224	1.294		1.226	4.3
Chloroethane		1.399	1.495	1.336	1.378	1.498		1.421	5.1
Trichlorofluoromethane		2.922	3.441	3.168	3.005	3.580		3.223	8.7
1,1-Dichloroethene		1.558	1.748	1.601	1.557	1.784		1.650	6.6
Acrolein		0.445	0.354	0.354	0.399	0.406		0.392	9.9
Acrylonitrile		1.212	1.224	1.162	1.213	1.236		1.209	2.3
Methylene Chloride		2.165	2.098	1.983	1.998	2.009		2.050	3.8
trans-1,2-Dichloroethene		1.917	2.036	1.848	1.810	1.993		1.921	4.9
1,1-Dichloroethane		3.827	4.008	3.728	3.748	3.985		3.859	3.4
Carbon Tetrachloride		0.524	0.532	0.499	0.511	0.569		0.527	5
Chloroform		3.861	3.873	3.674	3.755	3.958		3.824	2.9
1,1,1-Trichloroethane		0.623	0.624	0.578	0.609	0.651		0.617	4.3
Benzene		1.560	1.495	1.392	1.499	1.535		1.496	4.3
1,2-Dichloroethane		0.585	0.575	0.546	0.608	0.597		0.582	4.1
Trichloroethene		0.350	0.340	0.321	0.335	0.349		0.339	3.4
1,2-Dichloropropane		0.414	0.378	0.356	0.391	0.391		0.386	5.5
Bromodichloromethane		0.566	0.535	0.518	0.584	0.588		0.558	5.4
Toluene		1.716	1.777	1.619	1.714	1.782		1.722	3.8
t-1,3-Dichloropropene		0.579	0.559	0.550	0.647	0.651		0.597	8.1
cis-1,3-Dichloropropene		0.606	0.610	0.581	0.651	0.660		0.621	5.3
1,1,2-Trichloroethane		0.363	0.334	0.318	0.353	0.347		0.343	5.1
2-Chloroethyl vinyl ether		0.323	0.304	0.282	0.355	0.361		0.325	10.3
Dibromochloromethane		0.382	0.377	0.368	0.423	0.420		0.394	6.5
Tetrachloroethene		0.305	0.329	0.295	0.297	0.321		0.309	4.8
Chlorobenzene		1.098	1.065	0.994	1.074	1.099		1.066	4
Ethyl Benzene		1.763	1.927	1.813	1.933	2.052		1.897	6
m/p-Xylenes		0.660	0.723	0.687	0.718	0.760		0.710	5.4
o-Xylene		0.619	0.665	0.643	0.698	0.721		0.669	6.2

* 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>Q3700</u>
Instrument ID: <u>MSVOA_N</u>	Calibration Date(s): <u>11/13/2025</u> <u>11/13/2025</u>
Heated Purge: (Y/N) <u>N</u>	Calibration Time(s): <u>10:14</u> <u>11:50</u>
GC Column: <u>RXI-624</u> ID: <u>0.25</u> (mm)	

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COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Bromoform	0.229	0.233	0.232	0.278	0.276	0.249	10
1,1,2,2-Tetrachloroethane	0.574	0.575	0.541	0.593	0.589	0.575	3.6
1,3-Dichlorobenzene	0.726	0.795	0.753	0.802	0.815	0.778	4.8
1,4-Dichlorobenzene	0.769	0.785	0.745	0.815	0.826	0.788	4.2
1,2-Dichlorobenzene	0.709	0.744	0.697	0.759	0.764	0.734	4.1
1,2-Dichloroethane-d4	2.725	2.740	2.769	2.745	2.723	2.740	0.7
Toluene-d8	1.418	1.455	1.418	1.385	1.426	1.420	1.8
4-Bromofluorobenzene	0.479	0.494	0.513	0.515	0.534	0.507	4.1

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