284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance | Contract: ARDM01

Lab Code: ACE | SDG No.: Q3385

Instrument ID: MSVOA_N | Calibration Date(s): 10/08/2025 10/08/2025

Heated Purge: (Y/N) N | Calibration Time(s): 09:34 11:12

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

LAB FILE ID: RRF005 = VN088030.D RRF020 = VN088031.D RRF050 = VN088032.D
RRF100 = VN088033.D RRF150 = VN088034.D RRF =

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	$\overline{RRF}$	% RSD
Chloromethane	1.918	1.942	1.878	2.057	1.945		1.948	3.4
Vinyl Chloride	2.020	2.044	1.970	2.142	1.981		2.031	3.4
Bromomethane	1.037	1.041	1.067	1.211	1.105		1.092	6.6
Chloroethane	1.430	1.330	1.281	1.393	1.265		1.340	5.3
Trichlorofluoromethane	2.820	2.737	2.698	2.902	2.655		2.762	3.6
1,1-Dichloroethene	1.710	1.559	1.529	1.593	1.496		1.577	5.2
Acrolein	0.452	0.353	0.360	0.411	0.408		0.397	10.3
Acrylonitrile	1.269	1.221	1.203	1.302	1.193		1.238	3.7
Methylene Chloride	2.188	1.946	1.946	2.049	1.895		2.005	5.8
trans-1,2-Dichloroethene	1.892	1.826	1.733	1.891	1.776		1.824	3.8
1,1-Dichloroethane	3.634	3.511	3.377	3.682	3.433		3.528	3.7
Carbon Tetrachloride	0.457	0.445	0.435	0.475	0.439		0.450	3.6
Chloroform	3.927	3.583	3.492	3.728	3.472		3.640	5.2
1,1,1-Trichloroethane	0.564	0.539	0.513	0.557	0.514		0.537	4.4
Benzene	1.491	1.402	1.366	1.489	1.384		1.426	4.2
1,2-Dichloroethane	0.517	0.490	0.473	0.514	0.482		0.495	4
Trichloroethene	0.358	0.334	0.322	0.351	0.324		0.338	4.8
1,2-Dichloropropane	0.379	0.350	0.337	0.375	0.347		0.358	5.1
Bromodichloromethane	0.571	0.517	0.502	0.556	0.512		0.532	5.6
Toluene	1.796	1.700	1.645	1.730	1.638		1.702	3.8
t-1,3-Dichloropropene	0.587	0.570	0.571	0.637	0.590		0.591	4.6
cis-1,3-Dichloropropene	0.628	0.604	0.589	0.655	0.607		0.617	4.1
1,1,2-Trichloroethane	0.366	0.338	0.331	0.357	0.332		0.345	4.5
2-Chloroethyl vinyl ether	0.290	0.319	0.313	0.338	0.314		0.315	5.4
Dibromochloromethane	0.415	0.400	0.398	0.443	0.405		0.412	4.6
Tetrachloroethene	0.323	0.306	0.293	0.309	0.287		0.304	4.6
Chlorobenzene	1.118	1.084	1.060	1.124	1.049		1.087	3.1
Ethyl Benzene	1.902	1.839	1.800	1.919	1.792		1.850	3.1
m/p-Xylenes	0.729	0.714	0.693	0.739	0.693		0.713	2.9
o-Xylene	0.746	0.710	0.685	0.732	0.677		0.710	4.2

* 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.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: ARDM01

Lab Code: ACE SDG No.: Q3385

Instrument ID: MSVOA_N Calibration Date(s): 10/08/2025 10/08/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:34 11:12

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

LAB FILE ID: RRF005 = VN088030.D RRF020 = VN088031.D RRF050 = VN088032.D
RRF100 = VN088033.D RRF150 = VN088034.D RRF =

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	$\overline{RRF}$	% RSD
Bromoform	0.269	0.265	0.273	0.306	0.281		0.279	5.8
1,1,2,2-Tetrachloroethane	0.620	0.583	0.576	0.612	0.560		0.590	4.2
1,3-Dichlorobenzene	0.810	0.804	0.798	0.835	0.755		0.800	3.6
1,4-Dichlorobenzene	0.855	0.833	0.802	0.848	0.790		0.825	3.5
1,2-Dichlorobenzene	0.821	0.786	0.766	0.819	0.744		0.787	4.3
1,2-Dichloroethane-d4	2.303	2.319	2.360	2.378	2.319		2.336	1.4
Toluene-d8	1.344	1.343	1.333	1.329	1.334		1.337	0.5
4-Bromofluorobenzene	0.488	0.497	0.493	0.507	0.489		0.495	1.5

* 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.