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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: SCAL01

Lab Code: ACE SDG No.: Q3150

Instrument ID: MSVOA_W Calibration Date(s): 09/25/2025 09/25/2025

Heated Purge: (Y/N) Y Calibration Time(s): 10:45 13:08

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

LAB FILE ID: RRF005 = VW032258.D RRF010 = VW032259.D RRF020 = VW032260.D
RRF050 = VW032261.D RRF100 = VW032262.D RRF150 = VW032263.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.388	0.399	0.397	0.295	0.295	0.299	0.345	15.6
Chloromethane	0.540	0.557	0.548	0.423	0.439	0.459	0.494	12.3
Vinyl Chloride	0.611	0.628	0.654	0.537	0.514	0.522	0.578	10.5
Bromomethane	0.403	0.424	0.435	0.367	0.360	0.377	0.394	7.9
Chloroethane	0.416	0.408	0.434	0.359	0.356	0.376	0.391	8.3
Trichlorofluoromethane	0.399	0.417	0.519	0.383	0.438	0.455	0.435	11.2
1,1,2-Trichlorotrifluoroethane	0.593	0.587	0.625	0.526	0.495	0.508	0.556	9.5
1,1-Dichloroethene	0.595	0.633	0.670	0.551	0.550	0.565	0.594	8.2
Acetone	0.216	0.252	0.242	0.164	0.162	0.180	0.203	19.6
Carbon Disulfide	1.364	1.439	1.543	1.260	1.262	1.324	1.365	8.1
Methyl tert-butyl Ether	1.055	1.094	1.201	1.071	1.060	1.123	1.101	5
Methyl Acetate	0.637	0.602	0.639	0.738	0.749	0.818	0.697	12
Methylene Chloride	1.758	1.269	0.843	0.747	0.661	0.666	0.991	44.3
trans-1,2-Dichloroethene	0.633	0.668	0.703	0.605	0.602	0.630	0.640	6
1,1-Dichloroethane	1.313	1.343	1.418	1.232	1.201	1.250	1.293	6.2
Cyclohexane	1.132	1.088	1.139	0.912	0.912	0.933	1.019	10.9
2-Butanone	0.282	0.300	0.307	0.252	0.260	0.296	0.283	7.9
Carbon Tetrachloride	0.442	0.462	0.505	0.447	0.452	0.429	0.456	5.8
cis-1,2-Dichloroethene	0.803	0.821	0.843	0.763	0.760	0.789	0.796	4.1
Bromochloromethane	0.662	0.629	0.656	0.589	0.586	0.579	0.617	6
Chloroform	1.400	1.413	1.489	1.286	1.227	1.278	1.349	7.4
1,1,1-Trichloroethane	0.927	0.946	0.985	0.873	0.852	0.869	0.909	5.7
Methylcyclohexane	0.507	0.545	0.596	0.569	0.584	0.564	0.561	5.7
Benzene	1.503	1.545	1.639	1.516	1.515	1.438	1.526	4.3
1,2-Dichloroethane	0.545	0.518	0.537	0.486	0.488	0.470	0.507	6
Trichloroethene	0.343	0.371	0.382	0.346	0.359	0.339	0.357	4.7
1,2-Dichloropropane	0.391	0.408	0.423	0.393	0.384	0.372	0.395	4.5
Bromodichloromethane	0.549	0.544	0.577	0.558	0.557	0.541	0.554	2.4
4-Methyl-2-Pentanone	0.327	0.346	0.370	0.324	0.338	0.342	0.341	4.8
Toluene	0.894	0.955	1.010	0.937	0.963	0.916	0.946	4.3

* 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	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.440	0.478	0.521	0.507	0.554	0.547	0.508	8.5
cis-1,3-Dichloropropene	0.525	0.558	0.618	0.590	0.614	0.611	0.586	6.4
1,1,2-Trichloroethane	0.343	0.339	0.359	0.316	0.316	0.318	0.332	5.4
2-Hexanone	0.215	0.224	0.255	0.225	0.236	0.243	0.233	6.1
Dibromochloromethane	0.354	0.352	0.371	0.369	0.377	0.364	0.364	2.7
1,2-Dibromoethane	0.310	0.313	0.337	0.308	0.308	0.309	0.314	3.6
Tetrachloroethene	0.297	0.331	0.323	0.301	0.288	0.288	0.305	6
Chlorobenzene	1.146	1.205	1.234	1.126	1.109	1.091	1.152	4.9
Ethyl Benzene	1.710	1.890	1.993	1.882	1.927	1.908	1.885	5
m/p-Xylenes	0.647	0.728	0.793	0.721	0.729	0.717	0.723	6.4
o-Xylene	0.590	0.670	0.711	0.704	0.707	0.694	0.679	6.8
Styrene	0.977	1.180	1.315	1.247	1.223	1.204	1.191	9.6
Bromoform	0.186	0.222	0.219	0.210	0.214	0.223	0.212	6.5
Isopropylbenzene	3.005	3.296	3.600	3.704	3.535	3.740	3.480	8.1
1,1,2,2-Tetrachloroethane	0.955	0.945	0.943	0.886	0.843	0.902	0.912	4.7
1,3-Dichlorobenzene	1.700	1.684	1.659	1.737	1.656	1.722	1.693	1.9
1,4-Dichlorobenzene	1.811	1.770	1.807	1.674	1.631	1.685	1.730	4.4
1,2-Dichlorobenzene	1.587	1.636	1.663	1.630	1.465	1.524	1.584	4.8
1,2-Dibromo-3-Chloropropane	0.167	0.156	0.156	0.144	0.148	0.166	0.156	5.8
1,2,4-Trichlorobenzene	0.850	0.888	0.943	0.960	0.961	1.035	0.940	6.8
1,2,3-Trichlorobenzene	0.807	0.849	0.861	0.892	0.881	0.953	0.874	5.6
1,2-Dichloroethane-d4	0.886	0.863	0.864	0.708	0.703	0.714	0.789	11.3
Dibromofluoromethane	0.393	0.364	0.379	0.347	0.342	0.332	0.360	6.5
Toluene-d8	1.334	1.339	1.372	1.252	1.274	1.205	1.296	4.9
4-Bromofluorobenzene	0.505	0.491	0.511	0.482	0.486	0.458	0.489	3.8

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