284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: REMI01

Lab Code: ACE SDG No.: Q3742

Instrument ID: MSVOA_Y Calibration Date(s): 12/03/2025 12/03/2025

Heated Purge: (Y/N) Y Calibration Time(s): 14:05 16:23

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

LAB FILE ID: RRF010 = VY023868.D RRF020 = VY023869.D RRF050 = VY023870.D
RRF100 = VY023871.D RRF150 = VY023872.D RRF005 = VY023874.D

COMPOUND	RRF010	RRF020	RRF050	RRF100	RRF150	RRF005	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.414	0.329	0.422	0.349	0.375	0.380	0.378	9.5
Chloromethane	0.543	0.452	0.599	0.505	0.554	0.583	0.539	10
Vinyl Chloride	0.624	0.525	0.705	0.595	0.648	0.595	0.615	9.8
Bromomethane	0.462	0.381	0.453	0.392	0.454	0.524	0.444	11.7
Chloroethane	0.433	0.353	0.460	0.387	0.428	0.442	0.417	9.5
Trichlorofluoromethane	0.914	0.736	0.949	0.808	0.875	0.880	0.860	8.9
1,1,2-Trichlorotrifluoroethane	0.566	0.445	0.558	0.472	0.512	0.539	0.516	9.4
1,1-Dichloroethene	0.496	0.416	0.539	0.465	0.515	0.461	0.482	9.1
Acetone	0.169	0.142	0.153	0.140	0.140	0.154	0.150	7.6
Carbon Disulfide	1.329	1.096	1.739	1.483	1.614	1.278	1.423	16.5
Methyl tert-butyl Ether	1.187	1.028	1.343	1.238	1.342	1.122	1.210	10.3
Methyl Acetate	0.254	0.203	0.276	0.274	0.271	0.246	0.254	10.8
Methylene Chloride	0.647	0.491	0.581	0.495	0.538	0.906	0.610	25.6
trans-1,2-Dichloroethene	0.536	0.444	0.598	0.516	0.569	0.527	0.531	9.9
1,1-Dichloroethane	1.011	0.859	1.066	0.931	1.022	0.990	0.980	7.5
Cyclohexane	0.957	0.762	1.052	0.902	0.982	0.967	0.937	10.5
2-Butanone	0.198	0.159	0.187	0.178	0.180	0.181	0.181	7.1
Carbon Tetrachloride	0.547	0.455	0.577	0.497	0.547	0.508	0.522	8.4
cis-1,2-Dichloroethene	0.618	0.531	0.677	0.596	0.665	0.616	0.617	8.5
Bromochloromethane	0.363	0.354	0.441	0.349	0.358	0.381	0.374	9.2
Chloroform	1.039	0.878	1.061	0.921	1.017	1.024	0.990	7.3
1,1,1-Trichloroethane	0.941	0.776	0.968	0.836	0.923	0.918	0.894	8.1
Methylcyclohexane	0.598	0.492	0.735	0.637	0.704	0.526	0.616	15.6
Benzene	1.459	1.234	1.606	1.376	1.517	1.383	1.429	9
1,2-Dichloroethane	0.388	0.329	0.410	0.363	0.391	0.357	0.373	7.8
Trichloroethene	0.375	0.315	0.411	0.354	0.391	0.361	0.368	9
1,2-Dichloropropane	0.351	0.295	0.373	0.329	0.358	0.324	0.338	8.3
Bromodichloromethane	0.509	0.423	0.530	0.462	0.509	0.467	0.483	8.2
4-Methyl-2-Pentanone	0.208	0.184	0.248	0.233	0.243	0.173	0.215	14.6
Toluene	0.913	0.765	1.019	0.887	0.981	0.805	0.895	10.9

* 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	RRF010	RRF020	RRF050	RRF100	RRF150	RRF005	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.421	0.376	0.493	0.449	0.494	0.384	0.436	11.8
cis-1,3-Dichloropropene	0.504	0.440	0.580	0.518	0.579	0.461	0.514	11.3
1,1,2-Trichloroethane	0.253	0.214	0.272	0.244	0.264	0.237	0.247	8.3
2-Hexanone	0.164	0.145	0.183	0.174	0.179	0.127	0.162	13.6
Dibromochloromethane	0.337	0.287	0.365	0.326	0.358	0.317	0.332	8.6
1,2-Dibromoethane	0.228	0.193	0.253	0.228	0.248	0.202	0.225	10.6
Tetrachloroethene	0.528	0.438	0.545	0.455	0.488	0.481	0.489	8.4
Chlorobenzene	1.175	1.014	1.248	1.086	1.207	1.117	1.141	7.5
Ethyl Benzene	1.951	1.716	2.254	1.959	2.153	1.804	1.973	10.3
m/p-Xylenes	0.743	0.666	0.865	0.750	0.833	0.669	0.754	10.9
o-Xylene	0.680	0.618	0.814	0.711	0.797	0.613	0.705	12.2
Styrene	1.115	1.014	1.335	1.185	1.318	1.009	1.163	12.3
Bromoform	0.221	0.188	0.240	0.225	0.242	0.203	0.220	9.6
Isopropylbenzene	3.703	3.251	4.124	3.631	4.096	3.298	3.684	10.2
1,1,2,2-Tetrachloroethane	0.622	0.514	0.629	0.600	0.652	0.548	0.594	8.9
1,3-Dichlorobenzene	1.780	1.518	1.839	1.617	1.807	1.781	1.724	7.4
1,4-Dichlorobenzene	1.744	1.489	1.803	1.572	1.750	1.784	1.690	7.6
1,2-Dichlorobenzene	1.528	1.334	1.609	1.416	1.574	1.534	1.499	6.9
1,2-Dibromo-3-Chloropropane	0.095	0.081	0.098	0.099	0.102	0.086	0.093	8.9
1,2,4-Trichlorobenzene	0.846	0.749	0.953	0.883	1.004	0.899	0.889	9.9
1,2,3-Trichlorobenzene	0.703	0.645	0.818	0.766	0.849	0.769	0.759	9.8
1,2-Dichloroethane-d4	0.491	0.534	0.486	0.551	0.495	0.445	0.500	7.5
Dibromofluoromethane	0.319	0.349	0.314	0.353	0.323	0.265	0.321	9.9
Toluene-d8	1.211	1.354	1.228	1.376	1.256	1.064	1.248	9
4-Bromofluorobenzene	0.409	0.434	0.409	0.470	0.432	0.401	0.426	6

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