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

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG No.: Q3586

Instrument ID: MSVOA_Y Calibration Date(s): 11/04/2025 11/04/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:19 11:27

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

LAB FILE ID: RRF005 = VY023661.D RRF010 = VY023662.D RRF020 = VY023663.D
RRF050 = VY023664.D RRF100 = VY023665.D RRF150 = VY023666.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.391	0.380	0.373	0.275	0.284	0.266	0.328	17.9
Chloromethane	0.537	0.510	0.489	0.413	0.424	0.382	0.459	13.4
Vinyl Chloride	0.680	0.662	0.633	0.547	0.556	0.508	0.598	11.7
Bromomethane	0.587	0.555	0.530	0.443	0.464	0.437	0.503	12.5
Chloroethane	0.458	0.455	0.432	0.386	0.393	0.354	0.413	10.1
Trichlorofluoromethane	0.937	0.908	0.887	0.780	0.782	0.756	0.842	9.2
1,1,2-Trichlorotrifluoroethane	0.519	0.506	0.471	0.433	0.439	0.414	0.464	9.1
1,1-Dichloroethene	0.476	0.462	0.462	0.421	0.441	0.419	0.447	5.2
Acetone	0.115	0.106	0.115	0.094	0.105	0.102	0.106	7.4
Carbon Disulfide	1.479	1.468	1.424	1.288	1.330	1.237	1.371	7.3
Methyl tert-butyl Ether	0.980	0.945	1.059	1.008	1.132	1.091	1.036	6.8
Methyl Acetate	0.221	0.206	0.292	0.210	0.256	0.218	0.234	14.4
Methylene Chloride	0.652	0.532	0.515	0.460	0.476	0.436	0.512	15.1
trans-1,2-Dichloroethene	0.512	0.515	0.519	0.487	0.510	0.479	0.504	3.3
1,1-Dichloroethane	0.855	0.818	0.822	0.775	0.813	0.760	0.807	4.3
Cyclohexane	0.789	0.719	0.692	0.662	0.695	0.660	0.703	6.8
2-Butanone	0.128	0.113	0.130	0.111	0.127	0.127	0.123	6.8
Carbon Tetrachloride	0.516	0.491	0.501	0.477	0.494	0.473	0.492	3.2
cis-1,2-Dichloroethene	0.571	0.582	0.574	0.560	0.599	0.564	0.575	2.4
Bromochloromethane	0.317	0.329	0.329	0.290	0.311	0.279	0.309	6.7
Chloroform	0.957	0.934	0.919	0.863	0.898	0.833	0.901	5.1
1,1,1-Trichloroethane	0.852	0.833	0.820	0.769	0.803	0.753	0.805	4.7
Methylcyclohexane	0.499	0.495	0.536	0.539	0.569	0.563	0.534	5.8
Benzene	1.323	1.322	1.355	1.287	1.345	1.265	1.316	2.6
1,2-Dichloroethane	0.343	0.331	0.344	0.321	0.339	0.320	0.333	3.3
Trichloroethene	0.398	0.383	0.387	0.366	0.377	0.358	0.378	3.8
1,2-Dichloropropane	0.294	0.285	0.300	0.284	0.297	0.283	0.290	2.6
Bromodichloromethane	0.456	0.442	0.471	0.444	0.469	0.441	0.454	3
4-Methyl-2-Pentanone	0.143	0.136	0.170	0.158	0.181	0.180	0.162	11.8
Toluene	0.761	0.813	0.874	0.854	0.898	0.842	0.840	5.7

* 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	0.346	0.349	0.389	0.387	0.426	0.407	0.384	8.2
cis-1,3-Dichloropropene	0.419	0.434	0.475	0.463	0.495	0.474	0.460	6.1
1,1,2-Trichloroethane	0.244	0.230	0.250	0.234	0.249	0.236	0.241	3.5
2-Hexanone	0.101	0.099	0.127	0.115	0.132	0.133	0.118	12.9
Dibromochloromethane	0.325	0.314	0.342	0.326	0.347	0.329	0.330	3.7
1,2-Dibromoethane	0.221	0.208	0.240	0.222	0.238	0.226	0.226	5.3
Tetrachloroethene	0.554	0.549	0.545	0.512	0.500	0.462	0.520	6.9
Chlorobenzene	1.096	1.095	1.109	1.067	1.107	1.057	1.089	2
Ethyl Benzene	1.589	1.661	1.787	1.807	1.908	1.819	1.762	6.6
m/p-Xylenes	0.618	0.671	0.722	0.727	0.757	0.727	0.704	7.1
o-Xylene	0.562	0.600	0.659	0.674	0.717	0.691	0.651	9
Styrene	0.903	0.979	1.110	1.121	1.184	1.145	1.074	10.1
Bromoform	0.222	0.209	0.230	0.219	0.238	0.231	0.225	4.5
Isopropylbenzene	2.940	3.203	3.298	3.461	3.641	3.521	3.344	7.6
1,1,2,2-Tetrachloroethane	0.553	0.494	0.522	0.503	0.569	0.564	0.534	6
1,3-Dichlorobenzene	1.680	1.703	1.714	1.694	1.744	1.709	1.707	1.3
1,4-Dichlorobenzene	1.752	1.685	1.666	1.652	1.679	1.630	1.677	2.5
1,2-Dichlorobenzene	1.468	1.467	1.488	1.454	1.494	1.457	1.471	1.1
1,2-Dibromo-3-Chloropropane	0.085	0.076	0.083	0.076	0.086	0.086	0.082	5.7
1,2,4-Trichlorobenzene	0.738	0.747	0.835	0.853	0.933	0.944	0.842	10.5
1,2,3-Trichlorobenzene	0.619	0.611	0.698	0.717	0.782	0.791	0.703	10.9
1,2-Dichloroethane-d4	0.468	0.425	0.426	0.407	0.425	0.407	0.427	5.3
Dibromofluoromethane	0.312	0.316	0.312	0.310	0.318	0.308	0.312	1.2
Toluene-d8	1.109	1.148	1.155	1.189	1.224	1.159	1.164	3.3
4-Bromofluorobenzene	0.354	0.354	0.379	0.388	0.400	0.385	0.376	5

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