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

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1194 SAS No.: Q1194 SDG No.: Q1194

Instrument ID: MSVOA_Y Calibration Date(s): 01/24/2025 01/24/2025

Heated Purge: (Y/N) Y Calibration Time(s): 14:03 16:21

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

LAB FILE ID: RRF050 = VY020927.D RRF100 = VY020928.D RRF150 = VY020929.D
RRF020 = VY020931.D RRF010 = VY020932.D RRF005 = VY020933.D

COMPOUND	RRF050	RRF100	RRF150	RRF020	RRF010	RRF005	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.384	0.335	0.373	0.388	0.395	0.394	0.378	6
Chloromethane	0.281	0.237	0.277	0.283	0.309	0.301	0.281	8.9
Vinyl Chloride	0.313	0.271	0.310	0.310	0.327	0.309	0.307	6
Bromomethane	0.199	0.167	0.191	0.203	0.241	0.244	0.208	14.4
Chloroethane	0.185	0.158	0.180	0.183	0.190	0.182	0.180	6.2
Trichlorofluoromethane	0.665	0.582	0.669	0.669	0.685	0.638	0.651	5.7
1,1,2-Trichlorotrifluoroethane	0.436	0.382	0.438	0.432	0.454	0.437	0.430	5.7
1,1-Dichloroethene	0.408	0.365	0.421	0.412	0.428	0.401	0.406	5.4
Acetone	0.058	0.044	0.052	0.060	0.058	0.052	0.054	10.7
Carbon Disulfide	1.276	1.131	1.297	1.274	1.304	1.237	1.253	5.1
Methyl tert-butyl Ether	0.977	0.843	0.981	1.017	0.982	0.841	0.940	8.2
Methyl Acetate	0.208	0.168	0.194	0.210	0.198	0.192	0.195	7.7
Methylene Chloride	0.404	0.349	0.403	0.413	0.427	0.415	0.402	6.8
trans-1,2-Dichloroethene	0.446	0.388	0.448	0.443	0.460	0.440	0.438	5.8
1,1-Dichloroethane	0.740	0.647	0.745	0.742	0.752	0.708	0.722	5.5
Cyclohexane	0.680	0.605	0.681	0.714	0.762	0.817	0.710	10.3
2-Butanone	0.097	0.078	0.091	0.104	0.100	0.079	0.091	12
Carbon Tetrachloride	0.493	0.438	0.500	0.487	0.502	0.479	0.483	4.9
cis-1,2-Dichloroethene	0.501	0.449	0.510	0.500	0.516	0.486	0.494	4.9
Bromochloromethane	0.298	0.296	0.297	0.308	0.313	0.232	0.291	10.1
Chloroform	0.777	0.682	0.790	0.786	0.792	0.759	0.764	5.5
1,1,1-Trichloroethane	0.755	0.663	0.766	0.753	0.774	0.738	0.742	5.4
Methylcyclohexane	0.559	0.502	0.572	0.545	0.553	0.524	0.543	4.7
Benzene	1.202	1.061	1.205	1.197	1.234	1.156	1.176	5.2
1,2-Dichloroethane	0.305	0.262	0.300	0.307	0.302	0.281	0.293	6.1
Trichloroethene	0.322	0.290	0.332	0.326	0.336	0.309	0.319	5.3
1,2-Dichloropropane	0.268	0.236	0.270	0.267	0.270	0.246	0.260	5.8
Bromodichloromethane	0.406	0.358	0.411	0.398	0.412	0.371	0.393	5.8
4-Methyl-2-Pentanone	0.162	0.132	0.155	0.170	0.152	0.120	0.149	12.7
Toluene	0.779	0.692	0.785	0.774	0.786	0.722	0.756	5.2

* 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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COMPOUND	RRF050	RRF100	RRF150	RRF020	RRF010	RRF005	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.379	0.336	0.387	0.381	0.365	0.312	0.360	8.3
cis-1,3-Dichloropropene	0.446	0.396	0.455	0.446	0.436	0.399	0.430	6
1,1,2-Trichloroethane	0.207	0.179	0.205	0.217	0.201	0.189	0.199	6.9
2-Hexanone	0.106	0.089	0.103	0.110	0.096	0.070	0.096	15.4
Dibromochloromethane	0.290	0.257	0.296	0.296	0.289	0.257	0.281	6.7
1,2-Dibromoethane	0.199	0.169	0.198	0.203	0.200	0.174	0.191	7.8
Tetrachloroethene	0.352	0.312	0.358	0.348	0.361	0.358	0.348	5.3
Chlorobenzene	0.992	0.881	1.012	0.991	1.019	0.972	0.978	5.1
Ethyl Benzene	1.761	1.565	1.777	1.722	1.762	1.650	1.706	4.9
m/p-Xylenes	0.674	0.596	0.679	0.667	0.677	0.627	0.653	5.2
o-Xylene	0.632	0.559	0.635	0.619	0.634	0.583	0.610	5.3
Styrene	1.054	0.926	1.051	1.027	1.043	0.899	1.000	6.9
Bromoform	0.208	0.177	0.202	0.213	0.203	0.178	0.197	7.9
Isopropylbenzene	3.562	3.149	3.639	3.423	3.496	3.394	3.444	4.9
1,1,2,2-Tetrachloroethane	0.570	0.469	0.548	0.577	0.566	0.485	0.536	8.8
1,3-Dichlorobenzene	1.588	1.371	1.583	1.554	1.638	1.540	1.546	6
1,4-Dichlorobenzene	1.555	1.334	1.553	1.523	1.602	1.544	1.518	6.2
1,2-Dichlorobenzene	1.386	1.182	1.378	1.346	1.408	1.335	1.339	6.1
1,2-Dibromo-3-Chloropropane	0.085	0.070	0.086	0.090	0.083	0.069	0.080	10.9
1,2,4-Trichlorobenzene	0.840	0.782	0.938	0.792	0.786	0.697	0.806	9.9
1,2,3-Trichlorobenzene	0.704	0.651	0.797	0.672	0.648	0.589	0.677	10.3
1,2-Dichloroethane-d4	0.446	0.369	0.386	0.409	0.404	0.378	0.399	7
Dibromofluoromethane	0.320	0.276	0.284	0.287	0.291	0.264	0.287	6.6
Toluene-d8	1.254	1.081	1.109	1.121	1.135	0.981	1.113	7.9
4-Bromofluorobenzene	0.416	0.359	0.364	0.390	0.375	0.319	0.371	8.8

* Compounds with required minimum RRF and maximum %RSD values.
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