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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: WOOD06

Lab Code: CHEM Case No.: Q1669 SAS No.: Q1669 SDG No.: Q1669

Instrument ID: MSVOA_L Calibration Date(s): 03/27/2025 03/27/2025

Heated Purge: (Y/N) N Calibration Time(s): 08:26 11:36

GC Column: RTX-1 ID: 0.32 (mm)

LAB FILE ID: RRF010 = VL042172.D RRF002 = VL042173.D RRF001 = VL042174.D
RRF0.5 = VL042175.D RRF0.1 = VL042176.D RRF.03 = VL042177.D

COMPOUND	RRF010	RRF002	RRF001	RRF0.5	RRF0.1	RRF.03	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	1.404	1.483	1.514	1.602			1.476	6
Chloromethane	0.573	0.618	0.597	0.660			0.603	6.2
Vinyl Chloride	0.549	0.584	0.576	0.635	0.705	0.882	0.639	18.8
Bromomethane	0.256	0.266	0.268	0.327			0.273	11.2
Chloroethane	0.227	0.223	0.248	0.286			0.242	10.9
Tetrahydrofuran	0.398	0.432	0.425	0.439			0.418	5
Trichlorofluoromethane	1.339	1.480	1.457	1.562			1.437	6.6
1,1,2-Trichlorotrifluoroethane	1.120	1.188	1.215	1.247			1.181	4.5
Dichlorotetrafluoroethane	1.214	1.274	1.283	1.306			1.257	3.4
tert-Butyl alcohol	1.618	1.756	1.799	1.935			1.742	7.9
Heptane	1.792	1.897	1.940	1.847			1.839	4.7
1,1-Dichloroethene	0.504	0.560	0.565	0.624			0.552	9
Acetone	1.113	1.469	1.573	1.699			1.399	18.7
Carbon Disulfide	1.436	1.539	1.512	1.608			1.503	5.1
Methyl tert-Butyl Ether	0.831	0.894	0.886	0.921			0.873	4.6
Methylene Chloride	0.438	0.545	0.563	0.624			0.521	15.9
trans-1,2-Dichloroethene	0.590	0.621	0.701	0.704			0.638	9.6
1,1-Dichloroethane	1.122	1.187	1.208	1.247			1.183	4.2
Cyclohexane	1.162	1.211	1.238	1.337			1.217	6.3
2-Butanone	0.667	0.770	0.771	0.754			0.725	7.6
Carbon Tetrachloride	0.703	0.748	0.732	0.709	0.782	1.069	0.781	16.6
cis-1,2-Dichloroethene	1.371	1.426	1.460	1.507			1.423	4.4
Chloroform	1.932	2.071	2.068	2.233			2.052	5.8
1,1,1-Trichloroethane	2.062	2.152	2.201	2.279	2.495	3.151	2.349	16.2
2,2,4-Trimethylpentane	1.608	1.723	1.689	1.781			1.675	5
Benzene	0.934	1.013	1.027	1.050			0.991	5.5
1,2-Dichloroethane	0.537	0.563	0.569	0.613			0.568	4.9
Trichloroethene	0.374	0.398	0.408	0.438	0.437	0.463	0.414	8
1,2-Dichloropropane	0.337	0.365	0.373	0.386			0.361	5.7
Bromodichloromethane	0.769	0.802	0.779	0.778			0.782	1.6

* 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	RRF002	RRF001	RRF0.5	RRF0.1	RRF.03	$\overline{RRF}$	% RSD
4-Methyl-2-Pentanone	1.027	1.211	1.214	1.286			1.149	10.8
Toluene	1.125	1.202	1.203	1.239			1.175	4.8
t-1,3-Dichloropropene	0.439	0.453	0.447	0.474			0.450	3.2
cis-1,3-Dichloropropene	0.550	0.566	0.560	0.549			0.552	2.1
1,1,2-Trichloroethane	0.364	0.379	0.382	0.419			0.382	5.9
Dibromochloromethane	0.636	0.663	0.641	0.651			0.647	1.6
1,2-Dibromoethane	0.508	0.520	0.538	0.543	0.574		0.532	4.7
Tetrachloroethene	0.343	0.371	0.361	0.401	0.359	0.572	0.393	20.6
Chlorobenzene	0.875	0.994	0.979	1.024			0.949	7.5
Ethyl Benzene	1.671	1.894	1.822	1.850			1.776	6.3
m/p-Xylene	1.321	1.484	1.472	1.505			1.418	6.7
o-Xylene	1.328	1.499	1.475	1.521			1.422	7.5
Styrene	0.683	0.735	0.722	0.709			0.703	3.9
Bromoform	0.582	0.597	0.588	0.566			0.581	2.2
1,1,2,2-Tetrachloroethane	0.796	0.893	0.889	0.907	0.800	0.986	0.864	8.8
2-Chlorotoluene	1.538	1.759	1.728	1.717			1.650	7.1
1,3,5-Trimethylbenzene	1.387	1.677	1.671	1.616			1.546	9.7
1,2,4-Trimethylbenzene	1.510	1.966	1.958	1.994			1.781	14.7
1,3-Dichlorobenzene	0.882	1.063	1.022	1.036			0.977	9
1,4-Dichlorobenzene	0.888	1.040	1.017	1.030			0.972	8
1,2-Dichlorobenzene	0.850	1.014	1.031	1.012			0.951	9.8
1,2,4-Trichlorobenzene	0.859	1.028	0.941	0.821			0.899	9.5
Hexachloro-1,3-Butadiene	0.802	1.086	1.113	1.057			0.968	16.7
1,3-Butadiene	0.573	0.608	0.705	0.952			0.683	23.4
Naphthalene	1.806	2.314	2.181	1.979	1.637		1.948	13.3
4-Ethyltoluene	1.629	1.929	1.859	1.834			1.770	8.3
1-Bromo-4-Fluorobenzene	0.813	0.828	0.810	0.832	0.827	0.820	0.821	1
Hexane	1.333	1.383	1.462	1.507			1.402	5.7
Allyl Chloride	0.902	1.020	1.022	1.067			0.986	7.2
1,4-Dioxane	169.386	191.108	197.154	233.701			191.626	14.1

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COMPOUND	RRF010	RRF002	RRF001	RRF0.5	RRF0.1	RRF.03	$\overline{RRF}$	% RSD
Methyl Methacrylate	0.403	0.408	0.451	0.442			0.420	6

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