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

Lab Name: CHEMTECH Contract: WOOD06

Lab Code: CHEM Case No.: Q1665 SAS No.: Q1665 SDG No.: Q1665

Instrument ID: MSVOA_L Calibration Date(s): 04/17/2025 04/17/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:44 12:54

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

LAB FILE ID: RRF010 = VL042349.D RRF002 = VL042350.D RRF001 = VL042351.D
RRF0.5 = VL042352.D RRF0.1 = VL042353.D RRF.03 = VL042354.D

COMPOUND	RRF010	RRF002	RRF001	RRF0.5	RRF0.1	RRF.03	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	1.658	1.827	1.837	1.831			1.767	5
Ethanol	0.035	0.123	0.139	0.275			0.122	80.5
Chloromethane	0.652	0.701	0.725	0.752			0.699	5.9
Vinyl Chloride	0.638	0.689	0.709	0.731	0.911	1.002	0.761	18.4
Bromomethane	0.304	0.300	0.330	0.397			0.327	12.6
Chloroethane	0.253	0.280	0.287	0.303			0.275	7.8
Tetrahydrofuran	0.409	0.468	0.480	0.518			0.461	9.2
Trichlorofluoromethane	1.567	1.746	1.806	1.684			1.680	6
1,1,2-Trichlorotrifluoroethane	1.281	1.437	1.439	1.389			1.374	5.1
Dichlorotetrafluoroethane	1.432	1.581	1.550	1.556			1.517	4.3
Bromoethene	0.490	0.530	0.545	0.537			0.518	5.2
tert-Butyl alcohol	1.804	2.103	2.132	2.263			2.029	9.8
Heptane	1.884	2.209	2.296	2.444			2.153	11.1
Isopropyl Alcohol	0.821	0.897	0.980	1.050			0.909	11.7
1,1-Dichloroethene	0.583	0.637	0.635	0.735			0.642	8.8
Acetone	1.263	1.743	1.895	1.968			1.637	20
Carbon Disulfide	1.668	1.785	1.670	1.903			1.749	5.6
Methyl tert-Butyl Ether	0.940	1.132	1.141	1.134			1.070	8.6
Methylene Chloride	0.498	0.582	0.728	0.875			0.641	24.7
trans-1,2-Dichloroethene	0.664	0.736	0.759	0.814			0.731	8.3
1,1-Dichloroethane	1.284	1.383	1.469	1.452			1.388	5.4
Cyclohexane	1.252	1.347	1.333	1.422			1.320	5.5
2-Butanone	0.687	0.818	0.826	0.886			0.791	9.9
Carbon Tetrachloride	0.770	0.847	0.830	0.832	0.914	1.319	0.905	20.7
cis-1,2-Dichloroethene	1.459	1.593	1.603	1.588			1.553	3.9
Chloroform	2.145	2.392	2.333	2.458			2.309	5.5
1,1,1-Trichloroethane	2.274	2.493	2.549	2.557	2.840	3.110	2.599	11
2,2,4-Trimethylpentane	1.708	1.962	1.916	1.935			1.863	5.8
Benzene	1.002	1.121	1.075	1.146			1.079	5.3
1,2-Dichloroethane	0.592	0.666	0.647	0.691			0.647	5.6

* 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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Instrument ID: MSVOA_L Calibration Date(s): 04/17/2025 04/17/2025

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COMPOUND	RRF010	RRF002	RRF001	RRF0.5	RRF0.1	RRF.03	$\overline{RRF}$	% RSD
Trichloroethene	0.395	0.447	0.448	0.443	0.505	0.643	0.471	17.6
1,2-Dichloropropane	0.370	0.405	0.413	0.441			0.402	7
Bromodichloromethane	0.852	0.912	0.909	0.943			0.901	3.7
4-Methyl-2-Pentanone	1.082	1.435	1.382	1.541			1.314	15.1
Toluene	1.193	1.370	1.295	1.371			1.294	6
t-1,3-Dichloropropene	0.459	0.509	0.510	0.514			0.497	4.6
cis-1,3-Dichloropropene	0.570	0.637	0.617	0.613			0.608	4.1
1,1,2-Trichloroethane	0.376	0.420	0.429	0.423			0.410	5.3
Dibromochloromethane	0.679	0.746	0.721	0.743			0.723	3.7
1,2-Dibromoethane	0.539	0.606	0.605	0.582	0.621		0.586	5.3
Tetrachloroethene	0.357	0.391	0.393	0.420	0.452	0.543	0.417	15.5
Chlorobenzene	0.956	1.068	1.067	1.129			1.040	6.8
Ethyl Benzene	1.832	2.068	2.088	2.029			1.981	5.7
m/p-Xylene	1.456	1.658	1.682	1.685			1.596	6.9
o-Xylene	1.442	1.668	1.697	1.740			1.607	8.3
Styrene	0.726	0.808	0.776	0.792			0.767	4.7
Bromoform	0.616	0.675	0.623	0.622			0.633	3.8
1,1,2,2-Tetrachloroethane	0.873	0.968	0.985	0.990	1.176	1.407	1.042	18.1
2-Chlorotoluene	1.695	1.920	1.924	1.972			1.851	6.7
1,3,5-Trimethylbenzene	1.517	1.841	1.851	1.894			1.735	10.2
1,2,4-Trimethylbenzene	1.671	2.168	2.245	2.348			2.026	15.7
1,3-Dichlorobenzene	0.948	1.119	1.121	1.119			1.053	8.6
1,4-Dichlorobenzene	0.944	1.122	1.115	1.138			1.059	8.7
1,2-Dichlorobenzene	0.904	1.114	1.093	1.085			1.024	9.9
1,2,4-Trichlorobenzene	0.905	1.224	1.117	1.026			1.040	12.8
Hexachloro-1,3-Butadiene	0.863	1.135	1.136	1.163			1.034	14.7
1,3-Butadiene	0.651	0.735	0.836	1.015			0.783	18.9
Naphthalene	2.004	2.909	2.756	2.395	2.433		2.423	15.1
4-Ethyltoluene	1.765	2.054	2.118	2.055			1.965	7.9
1-Bromo-4-Fluorobenzene	0.831	0.822	0.818	0.824	0.814	0.819	0.822	0.7

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COMPOUND	RRF010	RRF002	RRF001	RRF0.5	RRF0.1	RRF.03	$\overline{RRF}$	% RSD
Hexane	1.424	1.625	1.719	1.899			1.633	11.5
Allyl Chloride	0.973	1.110	1.213	1.276			1.130	10.4
1,4-Dioxane	181.866	232.301	242.757	262.618			220.893	16.3
Methyl Methacrylate	0.430	0.495	0.520	0.545			0.486	10.2

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