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

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG No.: P4549

Instrument ID: MSVOA_N Calibration Date(s): 10/08/2024 10/08/2024

Heated Purge: (Y/N) N Calibration Time(s): 09:43 11:19

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

LAB FILE ID: RRF150 = VN084337.D RRF100 = VN084338.D RRF050 = VN084339.D
RRF020 = VN084340.D RRF005 = VN084341.D RRF =

COMPOUND	RRF150	RRF100	RRF050	RRF020	RRF005	RRF	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	1.784	1.757	1.768	1.931	1.918		1.832	4.7
Chloromethane	2.067	2.037	2.024	2.146	2.148		2.084	2.8
Vinyl Chloride	2.018	1.986	2.005	2.098	2.113		2.044	2.8
Bromomethane	1.236	1.234	1.249	1.418	1.635		1.354	12.9
Chloroethane	1.264	1.205	1.228	1.396	1.607		1.340	12.4
Trichlorofluoromethane	3.237	3.246	3.256	3.403	3.505		3.329	3.6
1,1,2-Trichlorotrifluoroethane	1.861	1.829	1.799	1.891	1.981		1.872	3.7
1,1-Dichloroethene	1.833	1.832	1.870	1.834	1.971		1.868	3.2
Acrolein	0.440	0.450	0.431	0.402	0.449		0.434	4.5
Acrylonitrile	1.069	1.026	1.064	1.069	1.024		1.051	2.2
Acetone	0.329	0.315	0.306	0.286	0.265		0.300	8.3
Carbon Disulfide	5.386	5.270	5.346	5.704	6.106		5.562	6.2
Methyl tert-Butyl Ether	6.327	6.268	6.286	6.312	6.019		6.242	2
Methyl Acetate	2.383	2.367	2.435	2.287	2.221		2.339	3.6
Methylene Chloride	2.067	2.014	2.090	2.147	2.203		2.104	3.5
trans-1,2-Dichloroethene	1.948	1.923	1.947	2.012	2.055		1.977	2.8
1,1-Dichloroethane	3.674	3.601	3.659	3.837	3.908		3.736	3.5
Cyclohexane	0.594	0.572	0.559	0.590	0.535		0.570	4.2
2-Butanone	0.275	0.269	0.268	0.257	0.242		0.262	5
Carbon Tetrachloride	0.556	0.548	0.531	0.544	0.547		0.545	1.6
2,2-Dichloropropane	0.605	0.583	0.569	0.576	0.560		0.579	3
cis-1,2-Dichloroethene	2.321	2.240	2.294	2.364	2.284		2.300	2
Chloroform	3.759	3.650	3.795	3.901	3.812		3.783	2.4
1,1,1-Trichloroethane	0.630	0.629	0.619	0.648	0.621		0.629	1.8
Methylcyclohexane	0.593	0.566	0.535	0.519	0.491		0.541	7.4
1,1-Dichloropropene	0.508	0.493	0.487	0.493	0.482		0.492	2
Benzene	1.571	1.514	1.511	1.557	1.555		1.542	1.8
1,2-Dichloroethane	0.520	0.505	0.508	0.522	0.515		0.514	1.4
Trichloroethene	0.358	0.353	0.345	0.366	0.353		0.355	2.1
1,2-Dichloropropane	0.384	0.371	0.363	0.386	0.375		0.376	2.5

* 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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Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P4549 SAS No.: P4549 SDG No.: P4549

Instrument ID: MSVOA_N Calibration Date(s): 10/08/2024 10/08/2024

Heated Purge: (Y/N) N Calibration Time(s): 09:43 11:19

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

LAB FILE ID: RRF150 = VN084337.D RRF100 = VN084338.D RRF050 = VN084339.D
RRF020 = VN084340.D RRF005 = VN084341.D RRF =

COMPOUND	RRF150	RRF100	RRF050	RRF020	RRF005	RRF	$\overline{RRF}$	% RSD
Dibromomethane	0.268	0.257	0.257	0.263	0.269		0.263	2.1
Bromodichloromethane	0.568	0.552	0.550	0.559	0.559		0.558	1.3
4-Methyl-2-Pentanone	0.580	0.565	0.573	0.559	0.517		0.559	4.4
Toluene	1.775	1.732	1.746	1.761	1.767		1.756	1
t-1,3-Dichloropropene	0.603	0.581	0.573	0.561	0.564		0.576	2.9
cis-1,3-Dichloropropene	0.637	0.616	0.603	0.613	0.551		0.604	5.3
1,1,2-Trichloroethane	0.356	0.349	0.350	0.354	0.358		0.353	1.1
1,3-Dichloropropane	0.627	0.610	0.607	0.625	0.619		0.617	1.5
2-Hexanone	0.440	0.428	0.434	0.408	0.367		0.415	7.2
Dibromochloromethane	0.431	0.417	0.416	0.416	0.407		0.417	2
1,2-Dibromoethane	0.371	0.363	0.361	0.370	0.352		0.364	2.1
Tetrachloroethene	0.338	0.328	0.332	0.342	0.357		0.339	3.4
Chlorobenzene	1.102	1.069	1.072	1.086	1.136		1.093	2.5
1,1,1,2-Tetrachloroethane	0.386	0.374	0.380	0.383	0.377		0.380	1.2
Hexachloroethane	0.302	0.289	0.282	0.279	0.276		0.286	3.6
Ethyl Benzene	2.037	1.969	1.930	1.889	1.715		1.908	6.3
m/p-Xylenes	0.768	0.732	0.740	0.725	0.654		0.724	5.9
o-Xylene	0.738	0.710	0.708	0.692	0.641		0.698	5.2
Styrene	1.289	1.232	1.226	1.183	1.059		1.198	7.2
Bromoform	0.295	0.287	0.276	0.264	0.261		0.277	5.2
Isopropylbenzene	1.892	1.828	1.813	1.786	1.587		1.781	6.5
1,1,2,2-Tetrachloroethane	0.562	0.544	0.557	0.549	0.543		0.551	1.5
1,2,3-Trichloropropane	0.492	0.471	0.479	0.466	0.452		0.472	3.1
Bromobenzene	0.446	0.431	0.435	0.428	0.416		0.431	2.5
n-propylbenzene	2.289	2.177	2.158	2.107	1.881		2.123	7.1
2-Chlorotoluene	1.396	1.329	1.315	1.322	1.233		1.319	4.4
1,3,5-Trimethylbenzene	1.614	1.543	1.532	1.488	1.323		1.500	7.3
4-Chlorotoluene	1.428	1.353	1.352	1.323	1.248		1.341	4.8
tert-butylbenzene	1.376	1.330	1.309	1.260	1.122		1.279	7.6
1,2,4-Trimethylbenzene	1.642	1.567	1.550	1.502	1.347		1.522	7.2

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COMPOUND	RRF150	RRF100	RRF050	RRF020	RRF005	RRF	$\overline{RRF}$	% RSD
sec-Butylbenzene	1.913	1.831	1.794	1.746	1.522		1.762	8.3
p-Isopropyltoluene	1.641	1.549	1.499	1.439	1.286		1.483	8.9
1,3-Dichlorobenzene	0.851	0.811	0.808	0.790	0.750		0.802	4.6
1,4-Dichlorobenzene	0.842	0.805	0.788	0.761	0.786		0.796	3.8
n-Butylbenzene	1.484	1.371	1.302	1.199	1.065		1.284	12.5
1,2-Dichlorobenzene	0.811	0.783	0.780	0.756	0.748		0.775	3.2
1,2-Dibromo-3-Chloropropane	0.120	0.116	0.119	0.110	0.098		0.113	8
1,2,4-Trichlorobenzene	0.436	0.416	0.410	0.381	0.372		0.403	6.5
Hexachlorobutadiene	0.183	0.177	0.179	0.173	0.220		0.187	10.3
Naphthalene	1.554	1.481	1.420	1.285	1.093		1.366	13.3
1,2,3-Trichlorobenzene	0.436	0.416	0.410	0.381	0.372		0.403	6.5
1,2-Dichloroethane-d4	2.393	2.419	2.371	2.467	2.428		2.415	1.5
Toluene-d8	1.397	1.374	1.378	1.395	1.404		1.390	0.9
4-Bromofluorobenzene	0.514	0.506	0.498	0.492	0.465		0.495	3.8
Methyl Iodide	2.503	2.450	2.473	2.469	2.378		2.455	1.9
Methyl methacrylate	0.431	0.420	0.420	0.404	0.369		0.409	5.9

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