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.: P5283 SAS No.: P5283 SDG No.: P5283

Instrument ID: MSVOA_N Calibration Date(s): 12/06/2024 12/06/2024

Heated Purge: (Y/N) N Calibration Time(s): 10:02 11:37

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

LAB FILE ID: RRF005 = VN085117.D RRF020 = VN085118.D RRF050 = VN085119.D
RRF100 = VN085120.D RRF150 = VN085121.D RRF =

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	2.072	2.467	2.334	2.565	2.563		2.400	8.6
Chloromethane	2.058	2.093	2.013	2.202	2.256		2.124	4.8
Vinyl Chloride	2.171	2.147	2.026	2.258	2.263		2.173	4.5
Bromomethane	1.578	1.334	1.261	1.364	1.361		1.380	8.6
Chloroethane	1.331	1.302	1.259	1.382	1.401		1.335	4.4
Trichlorofluoromethane	3.495	3.461	3.321	3.725	3.781		3.557	5.4
1,1,2-Trichlorotrifluoroethane	1.976	1.924	1.900	2.062	2.084		1.989	4.1
1,1-Dichloroethene	1.669	1.752	1.743	1.978	1.993		1.827	8.1
Acrolein	0.309	0.255	0.299	0.338	0.365		0.313	13.2
Acrylonitrile	0.809	0.837	0.858	0.977	0.994		0.895	9.4
Acetone	0.217	0.228	0.233	0.270	0.264		0.243	9.6
Carbon Disulfide	5.377	5.368	5.062	5.709	5.789		5.461	5.4
Methyl tert-Butyl Ether	4.744	5.454	5.524	6.311	6.507		5.708	12.5
Methyl Acetate	2.041	2.062	2.033	2.305	2.337		2.155	7
Methylene Chloride	2.198	2.012	1.927	2.127	2.100		2.073	5.1
trans-1,2-Dichloroethene	1.876	1.799	1.782	2.012	2.027		1.899	6.1
1,1-Dichloroethane	3.621	3.416	3.269	3.705	3.693		3.541	5.4
Cyclohexane	0.458	0.563	0.563	0.591	0.584		0.552	9.8
2-Butanone	0.207	0.217	0.218	0.235	0.234		0.222	5.4
Carbon Tetrachloride	0.619	0.587	0.566	0.591	0.593		0.591	3.2
2,2-Dichloropropane	0.624	0.608	0.602	0.636	0.634		0.621	2.5
cis-1,2-Dichloroethene	2.011	2.125	2.092	2.320	2.366		2.183	7
Chloroform	3.779	3.635	3.508	3.813	3.814		3.710	3.6
1,1,1-Trichloroethane	0.683	0.665	0.619	0.657	0.652		0.655	3.6
Methylcyclohexane	0.453	0.481	0.526	0.579	0.593		0.526	11.5
1,1-Dichloropropene	0.458	0.482	0.468	0.506	0.506		0.484	4.5
Benzene	1.581	1.501	1.456	1.543	1.523		1.521	3.1
1,2-Dichloroethane	0.564	0.505	0.491	0.518	0.510		0.518	5.4
Trichloroethene	0.367	0.356	0.344	0.373	0.371		0.362	3.4
1,2-Dichloropropane	0.388	0.370	0.351	0.366	0.368		0.368	3.7

* 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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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: P5283 SAS No.: P5283 SDG No.: P5283

Instrument ID: MSVOA_N Calibration Date(s): 12/06/2024 12/06/2024

Heated Purge: (Y/N) N Calibration Time(s): 10:02 11:37

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

LAB FILE ID: RRF005 = VN085117.D RRF020 = VN085118.D RRF050 = VN085119.D
RRF100 = VN085120.D RRF150 = VN085121.D RRF =

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	$\overline{RRF}$	% RSD
Dibromomethane	0.274	0.266	0.253	0.263	0.264		0.264	2.8
Bromodichloromethane	0.596	0.554	0.541	0.565	0.568		0.565	3.6
4-Methyl-2-Pentanone	0.431	0.494	0.483	0.524	0.516		0.490	7.5
Toluene	1.780	1.713	1.680	1.799	1.777		1.750	2.9
t-1,3-Dichloropropene	0.518	0.517	0.541	0.592	0.603		0.554	7.4
cis-1,3-Dichloropropene	0.581	0.590	0.583	0.629	0.636		0.604	4.4
1,1,2-Trichloroethane	0.387	0.355	0.336	0.353	0.349		0.356	5.2
1,3-Dichloropropane	0.598	0.585	0.582	0.607	0.606		0.596	2
2-Hexanone	0.314	0.376	0.371	0.402	0.391		0.371	9.2
Dibromochloromethane	0.455	0.426	0.413	0.438	0.438		0.434	3.7
1,2-Dibromoethane	0.358	0.348	0.348	0.371	0.369		0.359	3.1
Tetrachloroethene	0.407	0.358	0.342	0.359	0.351		0.363	7
Chlorobenzene	1.074	1.056	1.037	1.121	1.113		1.080	3.3
1,1,1,2-Tetrachloroethane	0.432	0.384	0.384	0.413	0.404		0.403	5
Hexachloroethane	0.273	0.275	0.271	0.304	0.304		0.285	6
Ethyl Benzene	1.626	1.739	1.845	2.032	2.041		1.857	9.8
m/p-Xylenes	0.601	0.713	0.706	0.775	0.775		0.714	10
o-Xylene	0.561	0.648	0.681	0.734	0.729		0.671	10.5
Styrene	0.892	1.097	1.164	1.270	1.266		1.138	13.7
Bromoform	0.294	0.275	0.282	0.301	0.302		0.291	4.1
Isopropylbenzene	1.409	1.656	1.747	1.932	1.903		1.730	12.3
1,1,2,2-Tetrachloroethane	0.551	0.532	0.503	0.526	0.521		0.526	3.3
1,2,3-Trichloropropane	0.582	0.533	0.473	0.510	0.502		0.520	7.9
Bromobenzene	0.411	0.420	0.422	0.462	0.451		0.433	5.1
n-propylbenzene	1.744	2.020	2.082	2.286	2.264		2.079	10.6
2-Chlorotoluene	1.143	1.271	1.266	1.378	1.371		1.286	7.5
1,3,5-Trimethylbenzene	1.241	1.441	1.488	1.630	1.609		1.482	10.6
4-Chlorotoluene	1.212	1.262	1.274	1.399	1.378		1.305	6.1
tert-butylbenzene	0.978	1.173	1.226	1.368	1.340		1.217	12.8
1,2,4-Trimethylbenzene	1.151	1.429	1.499	1.644	1.596		1.464	13.2

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COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	$\overline{RRF}$	% RSD
sec-Butylbenzene	1.421	1.669	1.727	1.927	1.901		1.729	11.8
p-Isopropyltoluene	1.090	1.372	1.460	1.626	1.620		1.434	15.4
1,3-Dichlorobenzene	0.779	0.765	0.772	0.842	0.816		0.795	4.1
1,4-Dichlorobenzene	0.725	0.742	0.759	0.829	0.818		0.775	6
n-Butylbenzene	0.903	1.085	1.230	1.399	1.395		1.203	17.6
1,2-Dichlorobenzene	0.743	0.721	0.734	0.787	0.767		0.750	3.5
1,2-Dibromo-3-Chloropropane	0.095	0.103	0.101	0.112	0.116		0.105	8
1,2,4-Trichlorobenzene	0.280	0.342	0.364	0.421	0.431		0.367	16.8
Hexachlorobutadiene	0.206	0.184	0.173	0.196	0.196		0.191	6.7
Naphthalene	0.704	0.971	1.176	1.410	1.447		1.142	27.3
1,2,3-Trichlorobenzene	0.280	0.342	0.364	0.421	0.431		0.367	16.8
1,2-Dichloroethane-d4	2.462	2.393	2.263	2.370	2.414		2.380	3.1
Toluene-d8	1.462	1.443	1.392	1.372	1.367		1.407	3.1
4-Bromofluorobenzene	0.479	0.495	0.500	0.509	0.499		0.496	2.2
Methyl Iodide	2.117	2.346	2.450	2.826	2.930		2.534	13.4
Methyl methacrylate	0.299	0.343	0.346	0.382	0.388		0.352	10.1

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