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

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: P3671 SAS No.: P3671 SDG No.: P3671

Instrument ID: MSVOA_Y Calibration Date(s): 08/15/2024 08/15/2024

Heated Purge: (Y/N) Y Calibration Time(s): 17:24 19:50

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

LAB FILE ID: RRF005 = VY019071.D RRF010 = VY019072.D RRF020 = VY019073.D
RRF050 = VY019074.D RRF100 = VY019075.D RRF150 = VY019076.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.385	0.357	0.408	0.379	0.347	0.325	0.367	8.1
Chloromethane	0.806	0.726	0.670	0.646	0.598	0.523	0.661	14.9
Vinyl Chloride	0.973	0.898	0.841	0.807	0.731	0.651	0.817	14.1
Bromomethane	0.875	0.644	0.567	0.533	0.493	0.446	0.593	25.9
1,1,2-Trichlorotrifluoroethane	0.637	0.607	0.546	0.532	0.504	0.468	0.549	11.5
Acetone	0.113	0.087	0.091	0.097	0.087	0.082	0.093	12
Carbon Disulfide	1.597	1.439	1.369	1.410	1.358	1.267	1.407	7.8
Methyl tert-butyl Ether	1.283	1.125	1.221	1.244	1.211	1.171	1.209	4.6
Methylene Chloride	1.695	0.965	0.718	0.595	0.535	0.490	0.833	54.7
trans-1,2-Dichloroethene	0.609	0.587	0.542	0.564	0.543	0.499	0.557	6.9
Cyclohexane	1.026	0.907	0.788	0.745	0.721	0.659	0.807	16.8
2-Butanone	0.182	0.132	0.149	0.155	0.144	0.137	0.150	11.9
Carbon Tetrachloride	0.516	0.525	0.512	0.540	0.526	0.502	0.520	2.5
cis-1,2-Dichloroethene	0.730	0.650	0.655	0.655	0.639	0.605	0.656	6.2
Chloroform	1.146	1.034	1.049	1.048	0.999	0.931	1.034	6.8
1,1,1-Trichloroethane	1.007	0.867	0.907	0.920	0.905	0.848	0.909	6.1
Methylcyclohexane	0.598	0.604	0.559	0.582	0.573	0.540	0.576	4.2
Benzene	1.478	1.392	1.371	1.397	1.345	1.278	1.377	4.8
1,2-Dichloroethane	0.416	0.349	0.362	0.385	0.367	0.351	0.372	6.8
Trichloroethene	0.418	0.399	0.383	0.381	0.372	0.351	0.384	6
Bromodichloromethane	0.503	0.476	0.495	0.499	0.487	0.470	0.488	2.7
Toluene	0.955	0.907	0.881	0.912	0.906	0.863	0.904	3.5
1,1,2-Trichloroethane	0.260	0.241	0.266	0.262	0.260	0.248	0.256	3.7
Dibromochloromethane	0.350	0.321	0.353	0.364	0.359	0.347	0.349	4.3
Tetrachloroethene	0.467	0.458	0.437	0.424	0.435	0.400	0.437	5.5
Chlorobenzene	1.226	1.163	1.130	1.151	1.148	1.089	1.151	3.9
Ethyl Benzene	2.078	1.979	1.933	2.016	1.997	1.987	1.998	2.4
m/p-Xylenes	0.798	0.790	0.777	0.805	0.797	0.791	0.793	1.2
o-Xylene	0.724	0.730	0.715	0.768	0.748	0.722	0.734	2.7
Isopropylbenzene	4.002	3.928	3.774	3.851	3.761	3.678	3.832	3.1

* 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	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
1,4-Dichlorobenzene	2.026	1.841	1.795	1.789	1.740	1.634	1.804	7.2
1,2-Dichlorobenzene	1.735	1.613	1.607	1.606	1.550	1.468	1.596	5.5
1,2-Dichloroethane-d4	0.620	0.470	0.522	0.476	0.477	0.443	0.501	12.6
Dibromofluoromethane	0.361	0.315	0.330	0.326	0.320	0.310	0.327	5.5
Toluene-d8	1.290	1.169	1.196	1.138	1.152	1.113	1.177	5.3
4-Bromofluorobenzene	0.449	0.379	0.397	0.407	0.387	0.388	0.401	6.3

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