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

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: P4892 SAS No.: P4892 SDG No.: P4892

Instrument ID: MSVOA_Y Calibration Date(s): 11/19/2024 11/19/2024

Heated Purge: (Y/N) Y Calibration Time(s): 15:49 17:42

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

LAB FILE ID: RRF005 = VY020338.D RRF010 = VY020339.D RRF020 = VY020340.D
RRF050 = VY020341.D RRF100 = VY020342.D RRF150 = VY020343.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.573	0.448	0.467	0.454	0.465	0.506	0.485	9.8
Chloromethane	0.989	0.788	0.765	0.681	0.589	0.599	0.735	20.3
Vinyl Chloride	0.816	0.722	0.664	0.622	0.572	0.599	0.666	13.6
Bromomethane	0.415	0.391	0.293	0.314	0.280	0.302	0.333	16.9
Chloroethane	0.531	0.376	0.362	0.370	0.334	0.357	0.388	18.3
Trichlorofluoromethane	1.130	0.863	0.896	0.931	0.821	0.910	0.925	11.6
1,1,2-Trichlorotrifluoroethane	0.666	0.508	0.536	0.592	0.479	0.525	0.551	12.3
1,1-Dichloroethene	0.647	0.492	0.536	0.586	0.488	0.524	0.545	11.2
Acetone	0.160	0.110	0.132	0.160	0.141	0.123	0.138	14.7
Carbon Disulfide	2.169	1.635	1.750	2.073	1.647	1.753	1.838	12.4
Methyl tert-butyl Ether	1.574	1.297	1.482	1.399	1.404	1.346	1.417	7
Methyl Acetate	0.388	0.283	0.339	0.302	0.327	0.288	0.321	12.2
Methylene Chloride	0.693	0.546	0.595	0.571	0.543	0.552	0.583	9.8
trans-1,2-Dichloroethene	0.721	0.563	0.627	0.601	0.552	0.571	0.606	10.4
1,1-Dichloroethane	1.461	1.141	1.083	1.137	1.101	1.117	1.173	12.2
Cyclohexane	1.318	1.107	1.004	1.035	0.969	0.991	1.071	12.2
2-Butanone	0.179	0.176	0.168	0.180	0.197	0.165	0.177	6.5
Carbon Tetrachloride	0.575	0.500	0.500	0.478	0.483	0.533	0.511	7.2
cis-1,2-Dichloroethene	0.710	0.664	0.643	0.687	0.647	0.653	0.667	3.9
Bromochloromethane	0.534	0.553	0.441	0.509	0.450	0.476	0.494	9.2
Chloroform	1.198	1.161	1.069	1.236	1.064	1.072	1.133	6.6
1,1,1-Trichloroethane	1.068	1.042	0.941	0.997	0.940	0.982	0.995	5.3
Methylcyclohexane	0.695	0.587	0.612	0.583	0.570	0.630	0.613	7.5
Benzene	1.632	1.376	1.440	1.348	1.378	1.435	1.435	7.2
1,2-Dichloroethane	0.416	0.372	0.398	0.364	0.386	0.389	0.387	4.8
Trichloroethene	0.388	0.331	0.343	0.320	0.318	0.339	0.340	7.5
1,2-Dichloropropane	0.374	0.331	0.348	0.319	0.334	0.347	0.342	5.5
Bromodichloromethane	0.525	0.458	0.479	0.492	0.463	0.490	0.484	5
4-Methyl-2-Pentanone	0.210	0.190	0.219	0.246	0.245	0.219	0.221	9.7
Toluene	0.970	0.836	0.890	0.850	0.829	0.889	0.877	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	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.534	0.401	0.446	0.448	0.456	0.463	0.458	9.5
cis-1,3-Dichloropropene	0.541	0.493	0.527	0.505	0.530	0.551	0.524	4.1
1,1,2-Trichloroethane	0.250	0.223	0.263	0.219	0.222	0.221	0.233	8.1
2-Hexanone	0.142	0.135	0.160	0.171	0.177	0.155	0.157	10.3
Dibromochloromethane	0.319	0.273	0.307	0.305	0.297	0.300	0.300	5.1
1,2-Dibromoethane	0.247	0.200	0.221	0.217	0.204	0.206	0.216	8.1
Tetrachloroethene	0.402	0.344	0.401	0.331	0.333	0.350	0.360	9.1
Chlorobenzene	1.258	1.079	1.083	1.144	1.040	1.085	1.115	7
Ethyl Benzene	2.319	1.973	2.002	2.051	1.932	2.063	2.057	6.7
m/p-Xylenes	0.829	0.725	0.742	0.708	0.696	0.745	0.741	6.4
o-Xylene	0.770	0.694	0.711	0.668	0.666	0.706	0.703	5.4
Styrene	1.261	1.128	1.165	1.131	1.131	1.188	1.167	4.5
Bromoform	0.207	0.180	0.195	0.189	0.199	0.194	0.194	4.7
Isopropylbenzene	4.851	4.028	4.070	4.314	3.899	4.251	4.236	8
1,1,2,2-Tetrachloroethane	0.729	0.646	0.683	0.728	0.676	0.646	0.685	5.4
1,3-Dichlorobenzene	2.072	1.668	1.839	1.848	1.621	1.719	1.794	9.1
1,4-Dichlorobenzene	1.938	1.651	1.709	1.730	1.579	1.679	1.714	7.1
1,2-Dichlorobenzene	1.630	1.401	1.506	1.547	1.414	1.474	1.495	5.7
1,2-Dibromo-3-Chloropropane	0.130	0.098	0.108	0.119	0.113	0.105	0.112	10
1,2,4-Trichlorobenzene	0.974	0.841	0.856	0.894	0.900	0.958	0.904	5.9
1,2,3-Trichlorobenzene	0.817	0.784	0.721	0.748	0.762	0.806	0.773	4.7
1,2-Dichloroethane-d4	0.609	0.523	0.545	0.636	0.563	0.571	0.574	7.3
Dibromofluoromethane	0.346	0.347	0.307	0.323	0.288	0.312	0.321	7.2
Toluene-d8	1.397	1.186	1.208	1.398	1.130	1.259	1.263	8.9
4-Bromofluorobenzene	0.459	0.381	0.384	0.430	0.369	0.413	0.406	8.5

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