

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name:	<u>CHEMTECH</u>	Contract:	<u>AECO15</u>
Lab Code:	<u>CHEM</u>	Case No.:	<u>Q2329</u>
Instrument ID:	<u>MSVOA_N</u>	SAS No.:	<u>Q2329</u>
Heated Purge: (Y/N)	<u>N</u>	SDG No.:	<u>Q2329</u>
GC Column:	<u>RXI-624</u>	Calibration Date(s):	<u>06/06/2025</u>
ID:	<u>0.25 (mm)</u>	Calibration Time(s):	<u>12:44</u>
			<u>14:49</u>

LAB FILE ID:		RRF001 = VN086862.D		RRF005 = VN086863.D		RRF020 = VN086864.D		
		RRF050 = VN086865.D		RRF100 = VN086866.D		RRF150 = VN086867.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.467	0.444	0.539	0.501	0.535	0.506	0.499	7.5
Chloromethane	0.762	0.654	0.645	0.597	0.617	0.587	0.644	9.9
Vinyl Chloride	0.670	0.670	0.684	0.640	0.673	0.648	0.664	2.5
Bromomethane		0.375	0.380	0.357	0.379	0.368	0.372	2.6
Chloroethane	0.460	0.444	0.442	0.408	0.418	0.402	0.429	5.4
Trichlorofluoromethane	0.882	0.903	0.904	0.834	0.858	0.825	0.868	3.9
1,1,2-Trichlorotrifluoroethane	0.554	0.567	0.563	0.519	0.546	0.520	0.545	3.8
1,1-Dichloroethene	0.573	0.593	0.563	0.533	0.550	0.527	0.557	4.4
Acetone	0.426	0.366	0.366	0.322	0.334	0.316	0.355	11.5
Carbon Disulfide	1.718	1.622	1.542	1.426	1.496	1.433	1.539	7.4
Methyl tert-butyl Ether	2.120	2.038	2.051	1.933	2.021	1.926	2.015	3.7
Methyl Acetate	1.035	1.049	1.078	0.986	1.049	1.011	1.035	3.1
Methylene Chloride	0.822	0.688	0.643	0.605	0.629	0.601	0.665	12.5
trans-1,2-Dichloroethene	0.700	0.674	0.621	0.567	0.591	0.561	0.619	9.3
1,1-Dichloroethane	1.192	1.153	1.156	1.063	1.110	1.043	1.120	5.2
Cyclohexane		1.303	1.116	1.004	1.030	0.976	1.086	12.2
2-Butanone	0.604	0.598	0.604	0.551	0.573	0.533	0.577	5.2
Carbon Tetrachloride	0.453	0.449	0.434	0.409	0.435	0.421	0.433	3.9
cis-1,2-Dichloroethene	0.786	0.766	0.762	0.699	0.729	0.701	0.740	4.9
Bromochloromethane	0.579	0.564	0.616	0.466	0.517	0.560	0.550	9.5
Chloroform	1.235	1.152	1.145	1.061	1.085	1.030	1.118	6.7
1,1,1-Trichloroethane	1.029	0.995	0.969	0.895	0.925	0.893	0.951	5.9
Methylcyclohexane	0.633	0.645	0.588	0.570	0.603	0.589	0.605	4.8
Benzene	1.588	1.501	1.444	1.345	1.414	1.371	1.444	6.2
1,2-Dichloroethane	0.473	0.456	0.444	0.411	0.430	0.413	0.438	5.6
Trichloroethene	0.359	0.360	0.341	0.327	0.340	0.328	0.342	4.2
1,2-Dichloropropane	0.366	0.369	0.354	0.332	0.352	0.335	0.351	4.4
Bromodichloromethane	0.510	0.484	0.480	0.457	0.483	0.465	0.480	3.8
4-Methyl-2-Pentanone	0.505	0.549	0.576	0.538	0.562	0.528	0.543	4.6
Toluene	0.918	0.914	0.885	0.835	0.883	0.859	0.882	3.6

* 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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Lab Name: CHEMTECH Contract: AECO15
 Lab Code: CHEM Case No.: Q2329 SAS No.: Q2329 SDG No.: Q2329
 Instrument ID: MSVOA_N Calibration Date(s): 06/06/2025 06/06/2025
 Heated Purge: (Y/N) N Calibration Time(s): 12:44 14:49
 GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID:		RRF001 = VN086862.D		RRF005 = VN086863.D		RRF020 = VN086864.D			
		RRF050 = VN086865.D		RRF100 = VN086866.D		RRF150 = VN086867.D			
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD	
t-1,3-Dichloropropene	0.571	0.526	0.524	0.522	0.548	0.530	0.537	3.6	
cis-1,3-Dichloropropene	0.609	0.577	0.564	0.551	0.584	0.561	0.574	3.6	
1,1,2-Trichloroethane	0.359	0.355	0.342	0.322	0.335	0.323	0.340	4.7	
2-Hexanone	0.312	0.282	0.363	0.368	0.397	0.376	0.350	12.4	
Dibromochloromethane	0.361	0.351	0.358	0.340	0.363	0.349	0.354	2.5	
1,2-Dibromoethane	0.353	0.358	0.354	0.329	0.354	0.341	0.348	3.2	
Tetrachloroethene	0.355	0.331	0.312	0.294	0.313	0.293	0.316	7.5	
Chlorobenzene	1.233	1.135	1.107	1.023	1.089	1.030	1.103	7	
Ethyl Benzene	1.989	1.975	1.907	1.796	1.913	1.816	1.900	4.2	
m/p-Xylenes	0.730	0.751	0.741	0.701	0.736	0.703	0.727	2.8	
o-Xylene	0.714	0.699	0.702	0.674	0.711	0.678	0.696	2.4	
Styrene	1.177	1.193	1.226	1.162	1.229	1.164	1.192	2.5	
Bromoform	0.217	0.266	0.276	0.265	0.286	0.267	0.263	9.1	
Isopropylbenzene	3.864	3.749	3.649	3.426	3.621	3.546	3.643	4.2	
1,1,2,2-Tetrachloroethane	1.292	1.299	1.273	1.178	1.205	1.157	1.234	5	
1,3-Dichlorobenzene	1.763	1.709	1.657	1.554	1.612	1.566	1.644	5	
1,4-Dichlorobenzene	1.820	1.786	1.657	1.572	1.642	1.576	1.676	6.3	
1,2-Dichlorobenzene	1.675	1.651	1.596	1.500	1.557	1.496	1.579	4.8	
1,2-Dibromo-3-Chloropropane	0.339	0.317	0.290	0.272	0.283	0.270	0.295	9.3	
1,2,4-Trichlorobenzene	1.042	1.037	0.991	0.969	1.016	0.994	1.008	2.8	
1,2,3-Trichlorobenzene	1.073	1.009	0.993	0.950	1.000	0.987	1.002	4	
1,2-Dichloroethane-d4		0.732	0.707	0.500	0.656	0.751	0.669	15.1	
Dibromofluoromethane		0.303	0.310	0.219	0.298	0.351	0.296	16.2	
Toluene-d8		1.245	1.203	0.861	1.178	1.377	1.173	16.2	
4-Bromofluorobenzene		0.441	0.446	0.325	0.446	0.521	0.436	16.2	

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