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

Lab Name: Alliance | Contract: WOOD06

Lab Code: ACE | SDG No.: Q3834

Instrument ID: MSVOA_Y | Calibration Date(s): 12/10/2025 12/10/2025

Heated Purge: (Y/N) Y | Calibration Time(s): 09:44 13:11

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

LAB FILE ID: RRF020 = VY023928.D RRF050 = VY023929.D RRF100 = VY023930.D
RRF010 = VY023933.D RRF005 = VY023934.D RRF150 = VY023935.D

COMPOUND	RRF020	RRF050	RRF100	RRF010	RRF005	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.375	0.357	0.343	0.345	0.317	0.344	0.347	5.4
Chloromethane	0.447	0.458	0.457	0.453	0.426	0.432	0.445	3.1
Vinyl Chloride	0.564	0.593	0.589	0.527	0.472	0.557	0.550	8.2
Bromomethane	0.489	0.438	0.443	0.518	0.479	0.444	0.469	6.9
Chloroethane	0.404	0.410	0.404	0.387	0.339	0.381	0.388	6.8
Trichlorofluoromethane	0.886	0.867	0.851	0.823	0.742	0.802	0.829	6.3
1,1,2-Trichlorotrifluoroethane	0.516	0.500	0.490	0.492	0.443	0.456	0.483	5.8
1,1-Dichloroethene	0.476	0.480	0.482	0.440	0.397	0.447	0.454	7.2
Acetone	0.154	0.119	0.108	0.163	0.162	0.103	0.135	20.6
Carbon Disulfide	1.160	1.409	1.387	1.071	0.934	1.270	1.205	15.4
Methyl tert-butyl Ether	1.147	1.160	1.140	1.096	0.955	1.013	1.085	7.7
Methyl Acetate	0.202	0.207	0.200	0.200	0.220	0.172	0.200	7.9
Methylene Chloride	0.546	0.504	0.483	0.535	0.602	0.450	0.520	10.2
trans-1,2-Dichloroethene	0.516	0.531	0.529	0.482	0.445	0.486	0.498	6.7
1,1-Dichloroethane	0.893	0.868	0.872	0.811	0.709	0.792	0.824	8.3
Cyclohexane	0.778	0.809	0.798	0.721	0.719	0.724	0.758	5.5
2-Butanone	0.157	0.134	0.128	0.146	0.136	0.118	0.137	10
Carbon Tetrachloride	0.588	0.581	0.565	0.525	0.451	0.526	0.539	9.4
cis-1,2-Dichloroethene	0.607	0.610	0.611	0.559	0.483	0.561	0.572	8.7
Bromochloromethane	0.296	0.229	0.333	0.308	0.393	0.303	0.310	17.2
Chloroform	0.973	0.938	0.922	0.923	0.806	0.838	0.900	7.1
1,1,1-Trichloroethane	0.902	0.880	0.863	0.834	0.730	0.800	0.835	7.5
Methylcyclohexane	0.611	0.674	0.671	0.535	0.459	0.618	0.594	14
Benzene	1.456	1.471	1.451	1.303	1.131	1.318	1.355	9.7
1,2-Dichloroethane	0.381	0.376	0.367	0.363	0.316	0.328	0.355	7.5
Trichloroethene	0.423	0.420	0.415	0.381	0.339	0.380	0.393	8.3
1,2-Dichloropropane	0.333	0.326	0.325	0.299	0.260	0.293	0.306	9.1
Bromodichloromethane	0.512	0.502	0.494	0.471	0.418	0.446	0.474	7.6
4-Methyl-2-Pentanone	0.198	0.198	0.190	0.176	0.155	0.167	0.181	9.7
Toluene	0.947	0.977	0.963	0.889	0.714	0.889	0.897	10.8

* 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	RRF020	RRF050	RRF100	RRF010	RRF005	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.441	0.450	0.452	0.379	0.326	0.408	0.409	12.2
cis-1,3-Dichloropropene	0.517	0.526	0.533	0.460	0.377	0.481	0.482	12.2
1,1,2-Trichloroethane	0.272	0.260	0.252	0.250	0.228	0.225	0.248	7.4
2-Hexanone	0.157	0.145	0.139	0.139	0.115	0.129	0.137	10.5
Dibromochloromethane	0.375	0.368	0.354	0.337	0.300	0.325	0.343	8.3
1,2-Dibromoethane	0.247	0.245	0.235	0.230	0.208	0.213	0.230	7
Tetrachloroethene	0.602	0.577	0.540	0.540	0.469	0.495	0.537	9.2
Chlorobenzene	1.242	1.230	1.207	1.157	1.003	1.112	1.159	7.8
Ethyl Benzene	2.065	2.122	2.113	1.862	1.530	1.955	1.941	11.6
m/p-Xylenes	0.828	0.842	0.837	0.740	0.603	0.773	0.771	11.9
o-Xylene	0.765	0.794	0.786	0.683	0.562	0.735	0.721	12.2
Styrene	1.264	1.297	1.288	1.078	0.862	1.198	1.165	14.5
Bromoform	0.264	0.249	0.241	0.236	0.225	0.221	0.239	6.6
Isopropylbenzene	3.987	4.039	4.023	3.388	2.835	3.652	3.654	13
1,1,2,2-Tetrachloroethane	0.598	0.581	0.567	0.585	0.507	0.500	0.556	7.6
1,3-Dichlorobenzene	1.901	1.852	1.834	1.742	1.543	1.691	1.761	7.5
1,4-Dichlorobenzene	1.873	1.800	1.766	1.766	1.600	1.608	1.736	6.3
1,2-Dichlorobenzene	1.634	1.598	1.565	1.530	1.409	1.417	1.526	6.2
1,2-Dibromo-3-Chloropropane	0.090	0.085	0.088	0.090	0.088	0.076	0.086	6.3
1,2,4-Trichlorobenzene	0.897	0.914	0.959	0.872	0.801	0.937	0.897	6.2
1,2,3-Trichlorobenzene	0.747	0.762	0.793	0.764	0.724	0.788	0.763	3.3
1,2-Dichloroethane-d4	0.512	0.358	0.389	0.483	0.539	0.371	0.442	17.7
Dibromofluoromethane	0.383	0.279	0.294	0.350	0.362	0.293	0.327	13.3
Toluene-d8	1.419	1.046	1.127	1.307	1.296	1.107	1.217	11.9
4-Bromofluorobenzene	0.466	0.346	0.370	0.447	0.441	0.369	0.406	12.5

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