FORM 6A-OR
GC/MS INITIAL CALIBRATION DATA

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011

Lab Code: ACE Case No.: Sharkey La MA No.: SDG No.: Q3688

Analytical Method : VOA Level :

Instrument ID: MSVOA_U Calibration Date(s): 11/17/2025 11/17/2025

GC Column: DB-624UI ID: 0.18 (mm) Calibration Time(s): 11:16 12:58

Length : 20 (m)

Heated Purge: (Y/N): N Purge Volume : 5 (mL)

LAB FILE ID: RRF5.0 = VU063720.D RRF10 = VU063721.D
RRF50 = VU063722.D RRF100 = VU063723.D RRF200 = VU063724.D

ANALYTE	RRF5.0	RRF10	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.330	0.294	0.288	0.270	0.272	0.291	8.3
Chloromethane	0.385	0.346	0.312	0.300	0.303	0.329	11
Vinyl chloride	0.429	0.396	0.374	0.360	0.356	0.383	7.8
Bromomethane	0.281	0.243	0.231	0.230	0.228	0.243	9.1
Chloroethane	0.297	0.251	0.253	0.240	0.237	0.256	9.4
Trichlorofluoromethane	0.682	0.611	0.589	0.571	0.566	0.604	7.8
1,1-Dichloroethene	0.374	0.334	0.315	0.306	0.303	0.326	9
1,1,2-Trichloro-1,2,2-trifluoroetha	0.390	0.373	0.350	0.339	0.333	0.357	6.8
Acetone	0.384	0.348	0.324	0.306	0.303	0.333	10.1
Carbon disulfide	0.962	0.837	0.812	0.810	0.830	0.850	7.5
Methyl Acetate	0.386	0.388	0.409	0.404	0.413	0.400	3
Methylene chloride	0.454	0.373	0.369	0.353	0.353	0.380	11.1
trans-1,2-Dichloroethene	0.388	0.338	0.347	0.334	0.333	0.348	6.7
Methyl tert-butyl Ether	1.271	1.166	1.164	1.136	1.152	1.178	4.5
1,1-Dichloroethane	0.746	0.677	0.657	0.639	0.633	0.671	6.8
cis-1,2-Dichloroethene	0.420	0.401	0.398	0.393	0.391	0.401	2.9
2-Butanone	0.430	0.384	0.343	0.338	0.356	0.370	10.2
Bromochloromethane	0.227	0.199	0.205	0.198	0.201	0.206	5.7
Chloroform	0.817	0.730	0.707	0.691	0.684	0.726	7.4
1,1,1-Trichloroethane	0.741	0.615	0.625	0.604	0.607	0.638	9.1
Cyclohexane	0.711	0.627	0.625	0.591	0.592	0.629	7.8
Carbon tetrachloride	0.550	0.463	0.501	0.491	0.505	0.502	6.3
Benzene	1.730	1.496	1.500	1.460	1.438	1.525	7.7
1,2-Dichloroethane	0.666	0.586	0.566	0.574	0.571	0.593	7
Trichloroethene	0.504	0.441	0.424	0.419	0.411	0.440	8.5
Methylcyclohexane	0.736	0.652	0.639	0.603	0.596	0.645	8.6
1,2-Dichloropropane	0.437	0.380	0.391	0.385	0.389	0.396	5.9
Bromodichloromethane	0.605	0.522	0.530	0.525	0.532	0.543	6.4
cis-1,3-Dichloropropene	0.616	0.560	0.551	0.582	0.630	0.588	5.8
4-Methyl-2-pentanone	0.585	0.547	0.574	0.574	0.589	0.574	2.8
Toluene	1.860	1.677	1.671	1.616	1.594	1.684	6.2
trans-1,3-Dichloropropene	0.545	0.469	0.512	0.504	0.536	0.513	5.8

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ANALYTE	RRF5.0	RRF10	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
1,1,2-Trichloroethane	0.468	0.413	0.412	0.403	0.400	0.419	6.7
Tetrachloroethene	0.375	0.340	0.327	0.319	0.320	0.336	7
2-Hexanone	0.413	0.412	0.461	0.470	0.496	0.450	8.2
Dibromochloromethane	0.429	0.379	0.394	0.401	0.420	0.405	5
1,2-Dibromoethane	0.507	0.420	0.429	0.419	0.424	0.440	8.6
Chlorobenzene	1.272	1.130	1.113	1.077	1.089	1.136	6.9
Ethylbenzene	2.149	1.906	1.935	1.879	1.906	1.955	5.6
o-Xylene	0.793	0.701	0.711	0.702	0.721	0.726	5.3
m,p-Xylene	0.814	0.718	0.740	0.717	0.736	0.745	5.4
Styrene	1.170	1.109	1.191	1.180	1.228	1.176	3.7
Bromoform	0.635	0.515	0.549	0.558	0.581	0.568	7.8
Isopropylbenzene	4.439	3.790	3.623	3.523	3.485	3.772	10.4
1,2,3-Trichloropropane	1.320	1.113	1.014	1.011	0.999	1.091	12.4
1,1,2,2-Tetrachloroethane	0.731	0.675	0.667	0.659	0.682	0.683	4.1
1,3-Dichlorobenzene	1.957	1.697	1.613	1.588	1.600	1.691	9.2
1,4-Dichlorobenzene	2.050	1.790	1.612	1.599	1.608	1.732	11.2
1,2-Dichlorobenzene	1.901	1.648	1.567	1.534	1.547	1.639	9.3
1,2-Dibromo-3-chloropropane	0.255	0.248	0.263	0.279	0.302	0.269	7.9
1,2,4-Trimethylbenzene	3.260	2.835	2.874	2.888	2.951	2.962	5.8
1,3,5-Trimethylbenzene	3.468	3.067	3.008	2.973	2.998	3.103	6.7
1,2,4-trichlorobenzene	0.945	0.895	0.910	0.979	1.036	0.953	5.9
1,2,3-Trichlorobenzene	0.924	0.824	0.863	0.926	0.981	0.903	6.7
Vinyl Chloride-d3	0.412	0.443	0.433	0.442	0.429	0.432	2.9
Chloroethane-d5	0.319	0.352	0.332	0.334	0.326	0.333	3.7
1,1-Dichloroethene-d2	0.738	0.769	0.740	0.761	0.735	0.748	2
2-Butanone-d5	0.192	0.243	0.249	0.269	0.278	0.246	13.6
Chloroform-d	0.665	0.719	0.746	0.755	0.737	0.724	4.9
1,2-Dichloroethane-d4	0.463	0.496	0.473	0.485	0.465	0.476	2.8
Benzene-d6	1.407	1.475	1.492	1.504	1.450	1.466	2.6
1,2-Dichloropropane-d6	0.421	0.437	0.428	0.440	0.425	0.430	1.9
Toluene-d8	1.370	1.422	1.388	1.406	1.371	1.392	1.6
trans-1,3-Dichloropropene-d4	0.162	0.164	0.179	0.187	0.197	0.178	8.4

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ANALYTE	RRF5.0	RRF10	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
2-Hexanone-d5	0.110	0.138	0.167	0.180	0.188	0.156	20.6
1,1,2,2-Tetrachloroethane-d2	0.571	0.617	0.633	0.659	0.667	0.629	6.1
1,2-Dichlorobenzene-d4	0.925	0.953	0.930	0.967	0.944	0.944	1.8