

FORM 7A-OR

INITIAL CALIBRATION VERIFICATION AND CONTINUING CALIBRATION VERIFICATION FOR GC/MS

Lab Name: Alliance Technical Group, LLC Contract: 68HERH20D0011
 Lab Code: ACE Case No.: Sharkey I MA No.: SDG No.: Q3688
 Analytical Method: VOA Level:
 Instrument ID: MSVOA U Date Analyzed: 11/17/2025 Time: 13:51
 Lab File ID: VU063725.D Init. Calib Date(s): 11/17/2025 11/17/2025
 EPA Sample No.: VICV050 Init. Calib Time(s): 11:16 12:58
 GC Column: DB-624UI ID: 0.18 (mm) Length: 20 (m)
 Heated Purge: (Y/N) N Purge Volume: 5 (mL)

ANALYTE	RRF	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.291	0.287	0.01	-1.4	± 40.0
Chloromethane	0.329	0.308	0.01	-6.6	± 30.0
Vinyl chloride	0.383	0.368	0.01	-3.9	± 25.0
Bromomethane	0.243	0.240	0.01	-1.3	± 40.0
Chloroethane	0.256	0.249	0.01	-2.7	± 25.0
Trichlorofluoromethane	0.604	0.592	0.01	-2	± 30.0
1,1-Dichloroethene	0.326	0.316	0.06	-3.3	± 25.0
1,1,2-Trichloro-1,2,2-trifluoroet	0.357	0.346	0.01	-3.2	± 30.0
Acetone	0.333	0.314	0.01	-5.7	± 40.0
Carbon disulfide	0.850	0.837	0.01	-1.5	± 25.0
Methyl Acetate	0.400	0.404	0.01	1.1	± 40.0
Methylene chloride	0.380	0.371	0.01	-2.5	± 30.0
trans-1,2-Dichloroethene	0.348	0.342	0.1	-1.8	± 20.0
Methyl tert-butyl Ether	1.178	1.142	0.1	-3	± 25.0
1,1-Dichloroethane	0.671	0.655	0.3	-2.3	± 20.0
cis-1,2-Dichloroethene	0.401	0.401	0.2	0.2	± 20.0
2-Butanone	0.370	0.338	0.01	-8.7	± 40.0
Bromochloromethane	0.206	0.203	0.05	-1.4	± 20.0
Chloroform	0.726	0.707	0.3	-2.6	± 20.0
1,1,1-Trichloroethane	0.638	0.614	0.05	-3.9	± 25.0
Cyclohexane	0.629	0.618	0.01	-1.8	± 25.0
Carbon tetrachloride	0.502	0.494	0.1	-1.6	± 25.0
Benzene	1.525	1.485	0.2	-2.6	± 20.0
1,2-Dichloroethane	0.593	0.577	0.07	-2.6	± 20.0
Trichloroethene	0.440	0.434	0.1	-1.4	± 20.0
Methylcyclohexane	0.645	0.617	0.05	-4.4	± 30.0
1,2-Dichloropropane	0.396	0.391	0.1	-1.3	± 20.0

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ANALYTE	RRF	RRF50	MIN RRF	%D	MAX %D
Bromodichloromethane	0.543	0.535	0.01	-1.3	± 20.0
cis-1,3-Dichloropropene	0.588	0.574	0.3	-2.3	± 20.0
4-Methyl-2-pentanone	0.574	0.591	0.01	3.1	± 30.0
Toluene	1.684	1.667	0.4	-1	± 20.0
trans-1,3-Dichloropropene	0.513	0.493	0.2	-4	± 20.0
1,1,2-Trichloroethane	0.419	0.416	0.1	-0.7	± 20.0
Tetrachloroethene	0.336	0.326	0.1	-3.2	± 25.0
2-Hexanone	0.450	0.478	0.01	6.2	± 40.0
Dibromochloromethane	0.405	0.392	0.01	-3.1	± 20.0
1,2-Dibromoethane	0.440	0.435	0.01	-1.2	± 20.0
Chlorobenzene	1.136	1.109	0.4	-2.4	± 20.0
Ethylbenzene	1.955	1.910	0.4	-2.3	± 25.0
o-Xylene	0.726	0.706	0.2	-2.7	± 25.0
m,p-Xylene	0.745	0.707	0.2	-5.2	± 25.0
Styrene	1.176	1.190	0.2	1.2	± 25.0
Bromoform	0.568	0.567	0.01	-0.1	± 25.0
Isopropylbenzene	3.772	3.746	0.4	-0.7	± 25.0
1,2,3-Trichloropropane	1.091	1.111	0.01	1.8	± 30.0
1,1,2,2-Tetrachloroethane	0.683	0.675	0.01	-1.1	± 25.0
1,3-Dichlorobenzene	1.691	1.711	0.5	1.2	± 20.0
1,4-Dichlorobenzene	1.732	1.725	0.6	-0.4	± 20.0
1,2-Dichlorobenzene	1.639	1.645	0.6	0.3	± 20.0
1,2-Dibromo-3-chloropropane	0.269	0.281	0.01	4.1	± 30.0
1,2,4-Trimethylbenzene	2.962	3.046	0.4	2.9	± 30.0
1,3,5-Trimethylbenzene	3.103	3.147	0.4	1.4	± 30.0
1,2,4-trichlorobenzene	0.953	1.040	0.4	9.1	± 30.0
1,2,3-Trichlorobenzene	0.903	0.989	0.3	9.5	± 30.0

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ANALYTE	<u>RRF</u>	RRF50	MIN RRF	%D	MAX %D
Vinyl Chloride-d3	0.432	0.406	0.01	-5.9	± 30.0
Chloroethane-d5	0.333	0.307	0.01	-7.6	± 30.0
1,1-Dichloroethene-d2	0.748	0.716	0.05	-4.3	± 25.0
2-Butanone-d5	0.246	0.245	0.01	-0.4	± 40.0
Chloroform-d	0.724	0.696	0.3	-3.9	± 20.0
1,2-Dichloroethane-d4	0.476	0.446	0.06	-6.3	± 25.0
Benzene-d6	1.466	1.390	0.3	-5.1	± 20.0
1,2-Dichloropropane-d6	0.430	0.404	0.2	-6	± 20.0
Toluene-d8	1.392	1.299	0.3	-6.6	± 20.0
trans-1,3-Dichloropropene-d4	0.178	0.161	0.01	-9.4	± 20.0
2-Hexanone-d5	0.156	0.163	0.01	4.3	± 40.0
1,1,2,2-Tetrachloroethane-d2	0.629	0.610	0.2	-3	± 25.0
1,2-Dichlorobenzene-d4	0.944	0.935	0.4	-0.9	± 20.0