

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: 11/21/2025 Time: 08:22
 Lab File ID: VU063754.D Init. Calib Date(s): 11/17/2025 11/17/2025
 EPA Sample No.: VSTD050115 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	0.295	0.01	1.4	± 40.0
Chloromethane	0.329	0.316	0.01	-4	± 30.0
Vinyl chloride	0.383	0.385	0.01	0.6	± 25.0
Bromomethane	0.243	0.249	0.01	2.8	± 40.0
Chloroethane	0.256	0.261	0.01	2.0	± 25.0
Trichlorofluoromethane	0.604	0.630	0.01	4.4	± 30.0
1,1-Dichloroethene	0.326	0.320	0.06	-2	± 25.0
1,1,2-Trichloro-1,2,2-trifluoroet	0.357	0.373	0.01	4.5	± 30.0
Acetone	0.333	0.337	0.01	1.2	± 40.0
Carbon disulfide	0.850	0.791	0.01	-6.9	± 25.0
Methyl Acetate	0.400	0.417	0.01	4.3	± 40.0
Methylene chloride	0.380	0.380	0.01	-0.1	± 30.0
trans-1,2-Dichloroethene	0.348	0.339	0.1	-2.6	± 20.0
Methyl tert-butyl Ether	1.178	1.166	0.1	-1	± 25.0
1,1-Dichloroethane	0.671	0.673	0.3	0.3	± 20.0
cis-1,2-Dichloroethene	0.401	0.414	0.2	3.4	± 20.0
2-Butanone	0.370	0.349	0.01	-5.8	± 40.0
Bromochloromethane	0.206	0.207	0.05	0.5	± 20.0
Chloroform	0.726	0.747	0.3	3.0	± 20.0
1,1,1-Trichloroethane	0.638	0.637	0.05	-0.3	± 25.0
Cyclohexane	0.629	0.627	0.01	-0.3	± 25.0
Carbon tetrachloride	0.502	0.503	0.1	0.2	± 25.0
Benzene	1.525	1.532	0.2	0.5	± 20.0
1,2-Dichloroethane	0.593	0.598	0.07	0.8	± 20.0
Trichloroethene	0.440	0.447	0.1	1.7	± 20.0
Methylcyclohexane	0.645	0.627	0.05	-2.8	± 30.0
1,2-Dichloropropane	0.396	0.399	0.1	0.6	± 20.0

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ANALYTE	RRF	RRF50	MIN RRF	%D	MAX %D
Bromodichloromethane	0.543	0.538	0.01	-0.9	± 20.0
cis-1,3-Dichloropropene	0.588	0.573	0.3	-2.5	± 20.0
4-Methyl-2-pentanone	0.574	0.586	0.01	2.1	± 30.0
Toluene	1.684	1.710	0.4	1.6	± 20.0
trans-1,3-Dichloropropene	0.513	0.489	0.2	-4.7	± 20.0
1,1,2-Trichloroethane	0.419	0.423	0.1	0.9	± 20.0
Tetrachloroethene	0.336	0.344	0.1	2.3	± 25.0
2-Hexanone	0.450	0.459	0.01	1.9	± 40.0
Dibromochloromethane	0.405	0.401	0.01	-0.8	± 20.0
1,2-Dibromoethane	0.440	0.435	0.01	-1	± 20.0
Chlorobenzene	1.136	1.136	0.4	0.0	± 20.0
Ethylbenzene	1.955	1.981	0.4	1.3	± 25.0
o-Xylene	0.726	0.731	0.2	0.7	± 25.0
m,p-Xylene	0.745	0.737	0.2	-1.1	± 25.0
Styrene	1.176	1.204	0.2	2.4	± 25.0
Bromoform	0.568	0.573	0.01	1.0	± 25.0
Isopropylbenzene	3.772	3.920	0.4	3.9	± 25.0
1,2,3-Trichloropropane	1.091	1.122	0.01	2.8	± 30.0
1,1,2,2-Tetrachloroethane	0.683	0.674	0.01	-1.2	± 25.0
1,3-Dichlorobenzene	1.691	1.770	0.5	4.7	± 20.0
1,4-Dichlorobenzene	1.732	1.754	0.6	1.3	± 20.0
1,2-Dichlorobenzene	1.639	1.685	0.6	2.8	± 20.0
1,2-Dibromo-3-chloropropane	0.269	0.268	0.01	-0.4	± 30.0
1,2,4-Trimethylbenzene	2.962	3.088	0.4	4.3	± 30.0
1,3,5-Trimethylbenzene	3.103	3.239	0.4	4.4	± 30.0
1,2,4-trichlorobenzene	0.953	0.971	0.4	1.8	± 30.0
1,2,3-Trichlorobenzene	0.903	0.894	0.3	-1.1	± 30.0

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ANALYTE	<u>RRF</u>	RRF50	MIN RRF	%D	MAX %D
Vinyl Chloride-d3	0.432	0.413	0.01	-4.4	± 30.0
Chloroethane-d5	0.333	0.324	0.01	-2.6	± 30.0
1,1-Dichloroethene-d2	0.748	0.731	0.05	-2.3	± 25.0
2-Butanone-d5	0.246	0.247	0.01	0.2	± 40.0
Chloroform-d	0.724	0.731	0.3	0.9	± 20.0
1,2-Dichloroethane-d4	0.476	0.464	0.06	-2.6	± 25.0
Benzene-d6	1.466	1.455	0.3	-0.7	± 20.0
1,2-Dichloropropane-d6	0.430	0.430	0.2	-0.1	± 20.0
Toluene-d8	1.392	1.359	0.3	-2.3	± 20.0
trans-1,3-Dichloropropene-d4	0.178	0.164	0.01	-8	± 20.0
2-Hexanone-d5	0.156	0.157	0.01	0.2	± 40.0
1,1,2,2-Tetrachloroethane-d2	0.629	0.623	0.2	-1	± 25.0
1,2-Dichlorobenzene-d4	0.944	0.967	0.4	2.5	± 20.0