

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: 11/24/2025 Time: 13:10
 Lab File ID: VU063774.D Init. Calib Date(s): 11/17/2025 11/17/2025
 EPA Sample No.: VSTD050117 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	0.310	0.01	6.6	± 40.0
Chloromethane	0.329	0.337	0.01	2.4	± 30.0
Vinyl chloride	0.383	0.402	0.01	4.9	± 25.0
Bromomethane	0.243	0.269	0.01	10.8	± 40.0
Chloroethane	0.256	0.283	0.01	10.8	± 25.0
Trichlorofluoromethane	0.604	0.675	0.01	11.8	± 30.0
1,1-Dichloroethene	0.326	0.332	0.06	1.8	± 25.0
1,1,2-Trichloro-1,2,2-trifluoroet	0.357	0.387	0.01	8.4	± 30.0
Acetone	0.333	0.376	0.01	13	± 40.0
Carbon disulfide	0.850	0.813	0.01	-4.4	± 25.0
Methyl Acetate	0.400	0.406	0.01	1.6	± 40.0
Methylene chloride	0.380	0.401	0.01	5.5	± 30.0
trans-1,2-Dichloroethene	0.348	0.364	0.1	4.6	± 20.0
Methyl tert-butyl Ether	1.178	1.233	0.1	4.7	± 25.0
1,1-Dichloroethane	0.671	0.713	0.3	6.4	± 20.0
cis-1,2-Dichloroethene	0.401	0.429	0.2	7.2	± 20.0
2-Butanone	0.370	0.370	0.01	0.1	± 40.0
Bromochloromethane	0.206	0.222	0.05	7.9	± 20.0
Chloroform	0.726	0.784	0.3	8.0	± 20.0
1,1,1-Trichloroethane	0.638	0.664	0.05	4.0	± 25.0
Cyclohexane	0.629	0.648	0.01	3.0	± 25.0
Carbon tetrachloride	0.502	0.538	0.1	7.3	± 25.0
Benzene	1.525	1.606	0.2	5.3	± 20.0
1,2-Dichloroethane	0.593	0.638	0.07	7.8	± 20.0
Trichloroethene	0.440	0.448	0.1	2.0	± 20.0
Methylcyclohexane	0.645	0.667	0.05	3.3	± 30.0
1,2-Dichloropropane	0.396	0.429	0.1	8.2	± 20.0

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ANALYTE	RRF	RRF50	MIN RRF	%D	MAX %D
Bromodichloromethane	0.543	0.576	0.01	6.1	± 20.0
cis-1,3-Dichloropropene	0.588	0.573	0.3	-2.6	± 20.0
4-Methyl-2-pentanone	0.574	0.586	0.01	2.2	± 30.0
Toluene	1.684	1.773	0.4	5.3	± 20.0
trans-1,3-Dichloropropene	0.513	0.516	0.2	0.5	± 20.0
1,1,2-Trichloroethane	0.419	0.441	0.1	5.2	± 20.0
Tetrachloroethene	0.336	0.346	0.1	3.0	± 25.0
2-Hexanone	0.450	0.477	0.01	6.0	± 40.0
Dibromochloromethane	0.405	0.423	0.01	4.4	± 20.0
1,2-Dibromoethane	0.440	0.453	0.01	2.9	± 20.0
Chlorobenzene	1.136	1.184	0.4	4.2	± 20.0
Ethylbenzene	1.955	2.049	0.4	4.8	± 25.0
o-Xylene	0.726	0.765	0.2	5.5	± 25.0
m,p-Xylene	0.745	0.760	0.2	2.0	± 25.0
Styrene	1.176	1.240	0.2	5.5	± 25.0
Bromoform	0.568	0.625	0.01	10.1	± 25.0
Isopropylbenzene	3.772	4.099	0.4	8.7	± 25.0
1,2,3-Trichloropropane	1.091	1.173	0.01	7.5	± 30.0
1,1,2,2-Tetrachloroethane	0.683	0.694	0.01	1.7	± 25.0
1,3-Dichlorobenzene	1.691	1.801	0.5	6.5	± 20.0
1,4-Dichlorobenzene	1.732	1.779	0.6	2.7	± 20.0
1,2-Dichlorobenzene	1.639	1.748	0.6	6.6	± 20.0
1,2-Dibromo-3-chloropropane	0.269	0.281	0.01	4.1	± 30.0
1,2,4-Trimethylbenzene	2.962	3.206	0.4	8.2	± 30.0
1,3,5-Trimethylbenzene	3.103	3.399	0.4	9.5	± 30.0
1,2,4-trichlorobenzene	0.953	0.963	0.4	1.1	± 30.0
1,2,3-Trichlorobenzene	0.903	0.912	0.3	1.0	± 30.0

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ANALYTE	<u>RRF</u>	RRF50	MIN RRF	%D	MAX %D
Vinyl Chloride-d3	0.432	0.399	0.01	-7.7	± 30.0
Chloroethane-d5	0.333	0.330	0.01	-0.9	± 30.0
1,1-Dichloroethene-d2	0.748	0.737	0.05	-1.6	± 25.0
2-Butanone-d5	0.246	0.234	0.01	-4.9	± 40.0
Chloroform-d	0.724	0.735	0.3	1.4	± 20.0
1,2-Dichloroethane-d4	0.476	0.478	0.06	0.4	± 25.0
Benzene-d6	1.466	1.413	0.3	-3.6	± 20.0
1,2-Dichloropropane-d6	0.430	0.417	0.2	-3	± 20.0
Toluene-d8	1.392	1.347	0.3	-3.2	± 20.0
trans-1,3-Dichloropropene-d4	0.178	0.170	0.01	-4.3	± 20.0
2-Hexanone-d5	0.156	0.150	0.01	-4.3	± 40.0
1,1,2,2-Tetrachloroethane-d2	0.629	0.627	0.2	-0.3	± 25.0
1,2-Dichlorobenzene-d4	0.944	0.949	0.4	0.5	± 20.0