

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: 19:29
 Lab File ID: VU063788.D Init. Calib Date(s): 11/17/2025 11/17/2025
 EPA Sample No.: VSTD050118 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	0.273	0.01	-6.2	± 50.0
Chloromethane	0.329	0.303	0.01	-8	± 50.0
Vinyl chloride	0.383	0.375	0.01	-2.2	± 50.0
Bromomethane	0.243	0.251	0.01	3.3	± 50.0
Chloroethane	0.256	0.258	0.01	1.1	± 50.0
Trichlorofluoromethane	0.604	0.610	0.01	1.0	± 50.0
1,1-Dichloroethene	0.326	0.309	0.06	-5.5	± 50.0
1,1,2-Trichloro-1,2,2-trifluoroet	0.357	0.341	0.01	-4.5	± 50.0
Acetone	0.333	0.236	0.01	-29.2	± 50.0
Carbon disulfide	0.850	0.687	0.01	-19.1	± 50.0
Methyl Acetate	0.400	0.393	0.01	-1.7	± 50.0
Methylene chloride	0.380	0.374	0.01	-1.6	± 50.0
trans-1,2-Dichloroethene	0.348	0.333	0.1	-4.2	± 50.0
Methyl tert-butyl Ether	1.178	1.143	0.1	-2.9	± 50.0
1,1-Dichloroethane	0.671	0.663	0.3	-1.1	± 50.0
cis-1,2-Dichloroethene	0.401	0.402	0.2	0.3	± 50.0
2-Butanone	0.370	0.288	0.01	-22.2	± 50.0
Bromochloromethane	0.206	0.208	0.05	1.2	± 50.0
Chloroform	0.726	0.739	0.3	1.9	± 50.0
1,1,1-Trichloroethane	0.638	0.611	0.05	-4.4	± 50.0
Cyclohexane	0.629	0.585	0.01	-7.1	± 50.0
Carbon tetrachloride	0.502	0.492	0.1	-2	± 50.0
Benzene	1.525	1.517	0.2	-0.5	± 50.0
1,2-Dichloroethane	0.593	0.611	0.07	3.1	± 50.0
Trichloroethene	0.440	0.432	0.1	-1.8	± 50.0
Methylcyclohexane	0.645	0.603	0.05	-6.5	± 50.0
1,2-Dichloropropane	0.396	0.393	0.1	-0.8	± 50.0

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ANALYTE	RRF	RRF50	MIN RRF	%D	MAX %D
Bromodichloromethane	0.543	0.537	0.01	-1.1	± 50.0
cis-1,3-Dichloropropene	0.588	0.540	0.3	-8.1	± 50.0
4-Methyl-2-pentanone	0.574	0.560	0.01	-2.3	± 50.0
Toluene	1.684	1.656	0.4	-1.7	± 50.0
trans-1,3-Dichloropropene	0.513	0.447	0.2	-12.9	± 50.0
1,1,2-Trichloroethane	0.419	0.417	0.1	-0.6	± 50.0
Tetrachloroethene	0.336	0.325	0.1	-3.2	± 50.0
2-Hexanone	0.450	0.428	0.01	-5	± 50.0
Dibromochloromethane	0.405	0.381	0.01	-5.8	± 50.0
1,2-Dibromoethane	0.440	0.427	0.01	-3	± 50.0
Chlorobenzene	1.136	1.111	0.4	-2.2	± 50.0
Ethylbenzene	1.955	1.894	0.4	-3.1	± 50.0
o-Xylene	0.726	0.718	0.2	-1	± 50.0
m,p-Xylene	0.745	0.715	0.2	-4.1	± 50.0
Styrene	1.176	1.174	0.2	-0.1	± 50.0
Bromoform	0.568	0.509	0.01	-10.4	± 50.0
Isopropylbenzene	3.772	3.553	0.4	-5.8	± 50.0
1,2,3-Trichloropropane	1.091	1.033	0.01	-5.3	± 50.0
1,1,2,2-Tetrachloroethane	0.683	0.668	0.01	-2.2	± 50.0
1,3-Dichlorobenzene	1.691	1.548	0.5	-8.5	± 50.0
1,4-Dichlorobenzene	1.732	1.563	0.6	-9.7	± 50.0
1,2-Dichlorobenzene	1.639	1.523	0.6	-7.1	± 50.0
1,2-Dibromo-3-chloropropane	0.269	0.238	0.01	-11.6	± 50.0
1,2,4-Trimethylbenzene	2.962	2.781	0.4	-6.1	± 50.0
1,3,5-Trimethylbenzene	3.103	2.914	0.4	-6.1	± 50.0
1,2,4-trichlorobenzene	0.953	0.834	0.4	-12.5	± 50.0
1,2,3-Trichlorobenzene	0.903	0.800	0.3	-11.4	± 50.0

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ANALYTE	<u>RRF</u>	RRF50	MIN RRF	%D	MAX %D
Vinyl Chloride-d3	0.432	0.357	0.01	-17.3	± 50.0
Chloroethane-d5	0.333	0.295	0.01	-11.3	± 50.0
1,1-Dichloroethene-d2	0.748	0.677	0.05	-9.6	± 50.0
2-Butanone-d5	0.246	0.229	0.01	-6.8	± 50.0
Chloroform-d	0.724	0.710	0.3	-2	± 50.0
1,2-Dichloroethane-d4	0.476	0.459	0.06	-3.7	± 50.0
Benzene-d6	1.466	1.364	0.3	-6.9	± 50.0
1,2-Dichloropropane-d6	0.430	0.400	0.2	-7	± 50.0
Toluene-d8	1.392	1.269	0.3	-8.8	± 50.0
trans-1,3-Dichloropropene-d4	0.178	0.148	0.01	-16.8	± 50.0
2-Hexanone-d5	0.156	0.145	0.01	-7.4	± 50.0
1,1,2,2-Tetrachloroethane-d2	0.629	0.613	0.2	-2.5	± 50.0
1,2-Dichlorobenzene-d4	0.944	0.920	0.4	-2.6	± 50.0