

## 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.: ARC Sayre MA No.: 30184323.0 SDG No.: Q3084  
 Analytical Method: Trace VOA Level: \_\_\_\_\_  
 Instrument ID: MSVOA\_V Date Analyzed: 09/17/2025 Time: 09:29  
 Lab File ID: VV039119.D Init. Calib Date(s): 09/15/2025 09/15/2025  
 EPA Sample No.: VSTD005358 Init. Calib Time(s): 09:55 12:08  
 GC Column: DB-624UI ID: 0.18 (mm) Length: 30 (m)  
 Heated Purge: (Y/N) N Purge Volume: 25 (mL)

| ANALYTE                   | RRF   | RRF5.0 | MIN<br>RRF | %D    | MAX %D |
|---------------------------|-------|--------|------------|-------|--------|
| Vinyl chloride            | 0.548 | 0.557  | 0.01       | 1.7   | ± 30.0 |
| 1,1-Dichloroethene        | 0.411 | 0.420  | 0.02       | 2.2   | ± 25.0 |
| Methylene chloride        | 0.462 | 0.457  | 0.01       | -1.1  | ± 30.0 |
| 1,1-Dichloroethane        | 0.766 | 0.872  | 0.1        | 13.7  | ± 20.0 |
| cis-1,2-Dichloroethene    | 0.408 | 0.422  | 0.1        | 3.4   | ± 25.0 |
| Chloroform                | 0.794 | 0.879  | 0.04       | 10.7  | ± 20.0 |
| 1,1,1-Trichloroethane     | 0.689 | 0.760  | 0.05       | 10.4  | ± 20.0 |
| Benzene                   | 1.574 | 1.785  | 0.3        | 13.4  | ± 20.0 |
| 1,2-Dichloroethane        | 0.407 | 0.479  | 0.01       | 17.4  | ± 25.0 |
| Trichloroethene           | 0.424 | 0.434  | 0.1        | 2.3   | ± 20.0 |
| Toluene                   | 1.640 | 1.948  | 0.4        | 18.8  | ± 20.0 |
| Tetrachloroethene         | 0.332 | 0.330  | 0.1        | -0.4  | ± 20.0 |
| Chlorobenzene             | 1.059 | 1.125  | 0.4        | 6.3   | ± 20.0 |
| o-Xylene                  | 0.603 | 0.621  | 0.3        | 3.0   | ± 25.0 |
| m,p-Xylene                | 0.657 | 0.697  | 0.2        | 6.1   | ± 25.0 |
| 1,1,2,2-Tetrachloroethane | 0.312 | 0.337  | 0.01       | 8.0   | ± 25.0 |
| 1,4-Dichlorobenzene       | 1.688 | 1.735  | 0.7        | 2.8   | ± 20.0 |
| 1,2,4-trichlorobenzene    | 0.805 | 0.797  | 0.2        | -1.1  | ± 30.0 |
| Vinyl Chloride-d3         | 0.394 | 0.314  | 0.01       | -20.3 | ± 30.0 |
| Chloroethane-d5           | 0.342 | 0.298  | 0.01       | -12.8 | ± 30.0 |
| 1,1-Dichloroethene-d2     | 0.188 | 0.149  | 0.01       | -20.6 | ± 25.0 |
| 2-Butanone-d5             | 0.059 | 0.064  | 0.01       | 8.8   | ± 40.0 |
| Chloroform-d              | 0.766 | 0.788  | 0.01       | 2.9   | ± 20.0 |
| 1,2-Dichloroethane-d4     | 0.323 | 0.342  | 0.01       | 6.0   | ± 25.0 |
| Benzene-d6                | 1.368 | 1.324  | 0.03       | -3.2  | ± 20.0 |
| 1,2-Dichloropropane-d6    | 0.409 | 0.404  | 0.1        | -1.2  | ± 20.0 |
| Toluene-d8                | 1.225 | 1.252  | 0.2        | 2.2   | ± 20.0 |

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|------------------------------|------------|--------|------------|------|--------|
| trans-1,3-Dichloropropene-d4 | 0.150      | 0.146  | 0.01       | -2.3 | ± 25.0 |
| 2-Hexanone-d5                | 0.048      | 0.048  | 0.01       | 0.1  | ± 40.0 |
| 1,1,2,2-Tetrachloroethane-d2 | 0.292      | 0.309  | 0.01       | 5.7  | ± 25.0 |
| 1,2-Dichlorobenzene-d4       | 0.805      | 0.716  | 0.06       | -11  | ± 20.0 |