

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV031425\  
 Data File : VV038709.D  
 Acq On : 14 Mar 2025 10:43  
 Operator : SY/MD  
 Sample : Q1546-02  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 11:06:41 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR031325WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Mar 13 13:15:04 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon           | Response | Conc  | Units   | Dev(Min) |
|-------------------------------|--------|----------------|----------|-------|---------|----------|
| Internal Standards            |        |                |          |       |         |          |
| 1) 1,4-Difluorobenzene        | 5.529  | 114            | 155402   | 5.00  | ug/L    | 0.00     |
| 28) Chlorobenzene-d5          | 8.779  | 117            | 173185   | 5.00  | ug/L    | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.178 | 152            | 70086    | 5.00  | ug/L    | 0.00     |
| System Monitoring Compounds   |        |                |          |       |         |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65             | 46099    | 4.48  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =     | 89.60%  |          |
| 7) Chloroethane-d5            | 1.529  | 69             | 47732    | 4.77  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =     | 95.40%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.053  | 65             | 23766    | 4.53  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =     | 90.60%  |          |
| 20) 2-Butanone-d5             | 3.796  | 46             | 122268   | 49.33 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =     | 98.66%  |          |
| 24) Chloroform-d              | 4.239  | 84             | 116660   | 4.81  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =     | 96.20%  |          |
| 26) 1,2-Dichloroethane-d4     | 4.937  | 65             | 54387    | 5.01  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =     | 100.20% |          |
| 32) Benzene-d6                | 4.953  | 84             | 204604   | 4.61  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =     | 92.20%  |          |
| 36) 1,2-Dichloropropane-d6    | 5.982  | 67             | 70170    | 4.86  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =     | 97.20%  |          |
| 41) Toluene-d8                | 7.236  | 98             | 155288   | 3.87  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =     | 77.40%  |          |
| 43) trans-1,3-Dichloroprop... | 7.561  | 79             | 17811    | 4.19  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =     | 83.80%  |          |
| 46) 2-Hexanone-d5             | 8.021  | 63             | 92646    | 45.13 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =     | 106.20% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146 | 84             | 56402    |       |         |          |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =     |         |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.554 | 152            | 60670    |       |         |          |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =     |         |          |
| Target Compounds              |        |                |          |       |         |          |
| 2) Dichlorodifluoromethane    | 1.108  | 85             | 4438     |       |         |          |
| 3) Chloromethane              | 1.214  | 50             | 4897     | 0.32  | ug/L    | 95       |
| 5) Vinyl chloride             | 1.281  | 62             | 4751     | 0.30  | ug/L #  | 49       |
| 6) Bromomethane               | 1.487  | 94             | 2642     | 0.35  | ug/L    | 84       |
| 8) Chloroethane               | 1.548  | 64             | 2880     | 0.28  | ug/L    | 90       |
| 9) Trichlorofluoromethane     | 1.709  | 101            | 6267     | 0.28  | ug/L    | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.063  | 101            | 4388     | 0.33  | ug/L    | 89       |
| 12) 1,1-Dichloroethene        | 2.066  | 96             | 3831     | 0.32  | ug/L #  | 1        |
| 14) Carbon disulfide          | 2.233  | 76             | 10221    | 0.27  | ug/L #  | 92       |
| 15) Methyl Acetate            | 2.400  | 43             | 1611     | 0.34  | ug/L #  | 61       |
| 16) Methylene chloride        | 2.445  | 84             | 4196     | 0.31  | ug/L    | 87       |
| 17) Methyl tert-butyl Ether   | 2.703  | 73             | 6652     | 0.27  | ug/L #  | 91       |
| 18) trans-1,2-Dichloroethene  | 2.699  | 96             | 3386     | 0.28  | ug/L    | 97       |
| 19) 1,1-Dichloroethane        | 3.108  | 63             | 6090     | 0.26  | ug/L    | 94       |
| 21) 2-Butanone                | 3.934  | 43             | 6573m    | 2.51  | ug/L    |          |
| 22) cis-1,2-Dichloroethene    | 3.812  | 96             | 3308     | 0.27  | ug/L    | 82       |
| 23) Bromochloromethane        | 4.153  | 128            | 1433m    | 0.24  | ug/L    |          |
| 25) Chloroform                | 4.268  | 83             | 8413     | 0.35  | ug/L    | 89       |
| 27) 1,2-Dichloroethane        | 5.066  | 62             | 3498     | 0.26  | ug/L    | 99       |

Reviewed by: Mafresh Daboda 03/10/2025  
 Reviewed by: Amir Fariq 03/10/2025

APPROVED  
 Manual Integrations

MDT-MATEB-011-2025-05  
 Client Sampled :  
 MS/MS  
 Instrument :

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 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 11:06:41 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR031325WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Mar 13 13:15:04 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|------|--------|----------|
| 29) 1,1,1-Trichloroethane     | 4.503  | 97   | 5390     | 0.25 | ug/L   | 96       |
| 30) Cyclohexane               | 4.571  | 56   | 4090     | 0.23 | ug/L   | 92       |
| 31) Carbon tetrachloride      | 4.728  | 117  | 4683m    | 0.24 | ug/L   |          |
| 33) Benzene                   | 5.011  | 78   | 13263    | 0.27 | ug/L   | 100      |
| 34) Trichloroethene           | 5.837  | 95   | 3875m    | 0.29 | ug/L   |          |
| 35) Methylcyclohexane         | 6.043  | 83   | 3880     | 0.20 | ug/L   | 91       |
| 37) 1,2-Dichloropropane       | 6.095  | 63   | 3374     | 0.25 | ug/L # | 96       |
| 38) Bromodichloromethane      | 6.442  | 83   | 4818     | 0.27 | ug/L   | 83       |
| 39) cis-1,3-Dichloropropene   | 6.976  | 75   | 4051m    | 0.23 | ug/L   |          |
| 40) 4-Methyl-2-pentanone      | 7.165  | 43   | 11194    | 1.68 | ug/L # | 90       |
| 42) Toluene                   | 7.323  | 91   | 12078    | 0.24 | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 7.599  | 75   | 3865     | 0.26 | ug/L   | 84       |
| 45) 1,1,2-Trichloroethane     | 7.776  | 97   | 2420     | 0.24 | ug/L # | 78       |
| 47) Tetrachloroethene         | 7.902  | 164  | 2452     | 0.24 | ug/L   | 90       |
| 48) 2-Hexanone                | 8.085  | 43   | 22290    | 4.67 | ug/L # | 76       |
| 49) Dibromochloromethane      | 8.172  | 129  | 2763     | 0.25 | ug/L   | 89       |
| 50) 1,2-Dibromoethane         | 8.291  | 107  | 2481     | 0.28 | ug/L # | 70       |
| 51) Chlorobenzene             | 8.812  | 112  | 8905     | 0.26 | ug/L   | 95       |
| 52) Ethylbenzene              | 8.950  | 91   | 11517    | 0.21 | ug/L   | 99       |
| 53) m,p-Xylene                | 9.082  | 106  | 3746     | 0.18 | ug/L   | 92       |
| 54) o-Xylene                  | 9.480  | 106  | 3416     | 0.18 | ug/L   | 94       |
| 55) Styrene                   | 9.509  | 104  | 5909m    | 0.18 | ug/L   |          |
| 57) 1,1,2,2-Tetrachloroethane | 10.172 | 83   | 3036     | 0.26 | ug/L # | 92       |
| 59) Bromoform                 | 9.670  | 173  | 1197     | 0.26 | ug/L # | 90       |
| 60) Isopropylbenzene          | 9.866  | 105  | 9679     | 0.23 | ug/L   | 96       |
| 61) 1,2,3-Trichloropropane    | 10.210 | 75   | 1882     | 0.30 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.474 | 105  | 7030     | 0.22 | ug/L   | 93       |
| 63) 1,2,4-Trimethylbenzene    | 10.853 | 105  | 7036     |      |        |          |
| 64) 1,3-Dichlorobenzene       | 11.123 | 146  | 5226     |      |        |          |
| 65) 1,4-Dichlorobenzene       | 11.207 | 146  | 5616     |      |        |          |
| 67) 1,2-Dichlorobenzene       | 11.574 | 146  | 5423     |      |        |          |
| 68) 1,2-Dibromo-3-chloropr... | 12.368 | 75   | 433m     | 0.31 | ug/L   |          |
| 69) 1,3,5-Trichlorobenzene    | 12.583 | 180  | 3561     |      |        |          |
| 70) 1,2,4-trichlorobenzene    | 13.207 | 180  | 2242     |      |        |          |
| 71) Naphthalene               | 13.451 | 128  | 3535     |      |        |          |
| 72) 1,2,3-Trichlorobenzene    | 13.686 | 180  | 2594     | 0.26 | ug/L # | 93       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

