

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW020223\  
 Data File : VW030025.D  
 Acq On : 02 Feb 2023 15:54  
 Operator : SY/MD  
 Sample : 01378-01  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 MDL-WATER-QT1-2023-01

Quant Time: Feb 03 01:49:19 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR011223WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Feb 03 01:11:57 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Krupa Patel 02/03/2023  
 Supervised By :Mahesh Dadoda 02/03/2023

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.606  | 114   | 258816   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.841  | 117   | 244871   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.236 | 152   | 121917   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.301  | 65    | 79042    | 4.026    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 80.600%  |
| 7) Chloroethane-d5            | 1.561  | 69    | 76637    | 4.709    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 94.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.101  | 63    | 113768   | 3.179    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 63.600%  |
| 20) 2-Butanone-d5             | 3.883  | 46    | 166741   | 47.922   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 95.840%  |
| 24) Chloroform-d              | 4.336  | 84    | 152367   | 4.231    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 84.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.021  | 65    | 66114    | 4.335    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 86.800%  |
| 32) Benzene-d6                | 5.037  | 84    | 319123   | 4.393    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 87.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.059  | 67    | 102808   | 4.836    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 96.800%  |
| 41) Toluene-d8                | 7.304  | 98    | 270905   | 4.028    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 80.600%  |
| 43) trans-1,3-Dichloroprop... | 7.612  | 79    | 32178    | 4.145    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 82.800%  |
| 46) 2-Hexanone-d5             | 8.082  | 63    | 146625   | 46.389   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 92.780%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.204 | 84    | 68279    | 4.383    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 87.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.612 | 152   | 98039    | 4.423    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 88.400%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.124  | 85    | 4720     | 0.196    | ug/L   | 98       |
| 3) Chloromethane              | 1.237  | 50    | 9998     | 0.394    | ug/L   | 100      |
| 5) Vinyl chloride             | 1.304  | 62    | 6214     | 0.250    | ug/L # | 72       |
| 6) Bromomethane               | 1.516  | 94    | 2620     | 0.216    | ug/L   | 88       |
| 8) Chloroethane               | 1.577  | 64    | 4020     | 0.267    | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 1.748  | 101   | 6950     | 0.213    | ug/L   | 95       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.108  | 101   | 5435     | 0.283    | ug/L # | 84       |
| 12) 1,1-Dichloroethene        | 2.111  | 96    | 5293     | 0.240    | ug/L # | 1        |
| 13) Acetone                   | 2.175  | 43    | 14383    | 5.792    | ug/L   | 97       |
| 14) Carbon disulfide          | 2.285  | 76    | 12187    | 0.192    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.436  | 43    | 1502     | 0.232    | ug/L # | 73       |
| 16) Methylene chloride        | 2.497  | 84    | 6006     | 0.219    | ug/L   | 87       |
| 17) Methyl tert-butyl Ether   | 2.764  | 73    | 8175     | 0.214    | ug/L # | 92       |
| 18) trans-1,2-Dichloroethene  | 2.754  | 96    | 4221     | 0.205    | ug/L   | 95       |
| 19) 1,1-Dichloroethane        | 3.179  | 63    | 8340     | 0.243    | ug/L   | 97       |
| 21) 2-Butanone                | 3.995  | 43    | 9226m    | 2.593    | ug/L   |          |
| 22) cis-1,2-Dichloroethene    | 3.902  | 96    | 4658     | 0.213    | ug/L   | 88       |
| 23) Bromochloromethane        | 4.243  | 128   | 1923     | 0.213    | ug/L # | 81       |
| 27) 1,2-Dichloroethane        | 5.127  | 62    | 4265     | 0.235    | ug/L   | 96       |

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 MSVOA\_V  
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 MDL-WATER-QT1-2023-01

Quant Time: Feb 03 01:49:19 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR011223WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Feb 03 01:11:57 2023  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 02/03/2023  
 Supervised By :Mahesh Dadoda 02/03/2023

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 29) 1,1,1-Trichloroethane     | 4.600  | 97   | 6459     | 0.203 | ug/L   | 96       |
| 30) Cyclohexane               | 4.667  | 56   | 7868     | 0.261 | ug/L # | 62       |
| 31) Carbon tetrachloride      | 4.818  | 117  | 5373     | 0.194 | ug/L   | 93       |
| 33) Benzene                   | 5.092  | 78   | 20465    | 0.253 | ug/L   | 100      |
| 34) Trichloroethene           | 5.908  | 95   | 4357     | 0.212 | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.117  | 83   | 6745     | 0.195 | ug/L   | 91       |
| 37) 1,2-Dichloropropane       | 6.166  | 63   | 4531     | 0.239 | ug/L # | 96       |
| 38) Bromodichloromethane      | 6.506  | 83   | 5666     | 0.231 | ug/L   | 83       |
| 39) cis-1,3-Dichloropropene   | 7.024  | 75   | 6419     | 0.252 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.227  | 43   | 16821    | 2.079 | ug/L # | 85       |
| 42) Toluene                   | 7.381  | 91   | 21951    | 0.251 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.645  | 75   | 5223     | 0.255 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 7.831  | 97   | 3075     | 0.225 | ug/L   | 95       |
| 47) Tetrachloroethene         | 7.966  | 164  | 3783     | 0.219 | ug/L   | 93       |
| 48) 2-Hexanone                | 8.140  | 43   | 16206    | 2.802 | ug/L # | 94       |
| 49) Dibromochloromethane      | 8.236  | 129  | 3416     | 0.213 | ug/L   | 91       |
| 50) 1,2-Dibromoethane         | 8.346  | 107  | 2599     | 0.219 | ug/L # | 99       |
| 51) Chlorobenzene             | 8.873  | 112  | 12020    | 0.217 | ug/L   | 98       |
| 52) Ethylbenzene              | 9.005  | 91   | 19197    | 0.210 | ug/L   | 97       |
| 53) m,p-Xylene                | 9.130  | 106  | 7451     | 0.206 | ug/L   | 77       |
| 54) o-Xylene                  | 9.535  | 106  | 6728     | 0.196 | ug/L   | 93       |
| 55) Styrene                   | 9.555  | 104  | 10462    | 0.177 | ug/L   | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 10.230 | 83   | 3897     | 0.257 | ug/L # | 94       |
| 59) Bromoform                 | 9.725  | 173  | 1732     | 0.219 | ug/L # | 97       |
| 60) Isopropylbenzene          | 9.921  | 105  | 16245    | 0.208 | ug/L   | 96       |
| 61) 1,2,3-Trichloropropane    | 10.262 | 75   | 2524     | 0.280 | ug/L   | 95       |
| 62) 1,3,5-Trimethylbenzene    | 10.526 | 105  | 12599    | 0.189 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.902 | 105  | 13524    | 0.203 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 11.172 | 146  | 8731     | 0.221 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.262 | 146  | 9123     | 0.231 | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 11.628 | 146  | 9017     | 0.253 | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.416 | 75   | 560      | 0.262 | ug/L # | 73       |
| 69) 1,3,5-Trichlorobenzene    | 12.632 | 180  | 7006     | 0.220 | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 13.249 | 180  | 5568     | 0.224 | ug/L   | 96       |
| 71) Naphthalene               | 13.493 | 128  | 7450     | 0.231 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.731 | 180  | 4771     | 0.231 | ug/L   | 96       |

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

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