

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU072622\  
 Data File : VU049927.D  
 Acq On : 26 Jul 2022 21:16  
 Operator : SY/MD  
 Sample : N3670-02  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL-WATER-QT2-2022-04

Quant Time: Jul 27 05:11:14 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR072222WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Jul 27 03:55:15 2022  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 07/27/2022  
 Supervised By : Mahesh Dadoda 07/27/2022

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250  | 114   | 82979    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417  | 117   | 82218    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812 | 152   | 38529    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597  | 65    | 26753    | 3.982    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 79.600%  |
| 7) Chloroethane-d5            | 1.912  | 69    | 24077    | 4.282    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 85.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.565  | 65    | 12201    | 4.069    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 81.400%  |
| 20) 2-Butanone-d5             | 4.632  | 46    | 130627   | 54.042   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 108.080% |
| 24) Chloroform-d              | 5.066  | 84    | 68061    | 4.549    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 91.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.703  | 65    | 41501    | 4.730    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 94.600%  |
| 32) Benzene-d6                | 5.729  | 84    | 115580   | 4.125    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 82.600%  |
| 36) 1,2-Dichloropropane-d6    | 6.693  | 67    | 44636    | 4.612    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 92.200%  |
| 41) Toluene-d8                | 7.899  | 98    | 90493    | 3.695    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 74.000%  |
| 43) trans-1,3-Dichloroprop... | 8.182  | 79    | 13542    | 3.854    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 77.000%  |
| 46) 2-Hexanone-d5             | 8.635  | 63    | 60909    | 43.742   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 87.480%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758 | 84    | 40121    | 4.936    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 98.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195 | 152   | 35796    | 4.501    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 90.000%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.385  | 85    | 2513     | 0.287    | ug/L   | 96       |
| 3) Chloromethane              | 1.520  | 50    | 3146     | 0.292    | ug/L   | 97       |
| 5) Vinyl chloride             | 1.600  | 62    | 2453     | 0.272    | ug/L   | 84       |
| 6) Bromomethane               | 1.858  | 94    | 1277     | 0.262    | ug/L   | 99       |
| 8) Chloroethane               | 1.935  | 64    | 1299     | 0.250    | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 2.137  | 101   | 3076     | 0.278    | ug/L   | 89       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.575  | 101   | 1613     | 0.298    | ug/L   | 87       |
| 12) 1,1-Dichloroethene        | 2.578  | 96    | 1588     | 0.290    | ug/L # | 1        |
| 14) Carbon disulfide          | 2.793  | 76    | 4527     | 0.267    | ug/L   | 97       |
| 15) Methyl Acetate            | 2.957  | 43    | 744      | 0.205    | ug/L # | 55       |
| 17) Methyl tert-butyl Ether   | 3.362  | 73    | 3931     | 0.221    | ug/L # | 91       |
| 18) trans-1,2-Dichloroethene  | 3.356  | 96    | 1813     | 0.286    | ug/L # | 64       |
| 19) 1,1-Dichloroethane        | 3.874  | 63    | 3368     | 0.246    | ug/L # | 90       |
| 21) 2-Butanone                | 4.726  | 43    | 7577m    | 3.073    | ug/L   |          |
| 22) cis-1,2-Dichloroethene    | 4.668  | 96    | 1635m    | 0.223    | ug/L   |          |
| 23) Bromochloromethane        | 4.973  | 128   | 807      | 0.246    | ug/L   | 93       |
| 27) 1,2-Dichloroethane        | 5.796  | 62    | 2526     | 0.253    | ug/L # | 85       |
| 29) 1,1,1-Trichloroethane     | 5.314  | 97    | 3027     | 0.262    | ug/L   | 91       |
| 30) Cyclohexane               | 5.388  | 56    | 1991     | 0.213    | ug/L   | 98       |

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Quant Time: Jul 27 05:11:14 2022  
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 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Jul 27 03:55:15 2022  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 07/27/2022  
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| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| 31) Carbon tetrachloride      | 5.526  | 117  | 2407     | 0.257 | ug/L   | 92       |
| 33) Benzene                   | 5.780  | 78   | 7340     | 0.246 | ug/L   | 100      |
| 34) Trichloroethene           | 6.546  | 95   | 1943     | 0.269 | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.764  | 83   | 2044     | 0.229 | ug/L # | 84       |
| 37) 1,2-Dichloropropane       | 6.790  | 63   | 2068     | 0.243 | ug/L   | 100      |
| 38) Bromodichloromethane      | 7.105  | 83   | 2394     | 0.225 | ug/L # | 90       |
| 39) cis-1,3-Dichloropropene   | 7.603  | 75   | 2496     | 0.223 | ug/L   | 92       |
| 40) 4-Methyl-2-pentanone      | 7.796  | 43   | 11762    | 1.983 | ug/L # | 89       |
| 42) Toluene                   | 7.970  | 91   | 6200     | 0.208 | ug/L   | 95       |
| 44) trans-1,3-Dichloropropene | 8.214  | 75   | 1968m    | 0.203 | ug/L   |          |
| 45) 1,1,2-Trichloroethane     | 8.404  | 97   | 1370     | 0.226 | ug/L   | 97       |
| 47) Tetrachloroethene         | 8.555  | 164  | 1258     | 0.253 | ug/L   | 84       |
| 48) 2-Hexanone                | 8.687  | 43   | 31217m   | 7.052 | ug/L   |          |
| 49) Dibromochloromethane      | 8.809  | 129  | 1499     | 0.221 | ug/L   | 80       |
| 50) 1,2-Dibromoethane         | 8.928  | 107  | 1207     | 0.224 | ug/L # | 89       |
| 51) Chlorobenzene             | 9.446  | 112  | 3875     | 0.205 | ug/L   | 92       |
| 52) Ethylbenzene              | 9.571  | 91   | 6250     | 0.204 | ug/L   | 98       |
| 53) m,p-Xylene                | 9.693  | 106  | 2277     | 0.202 | ug/L   | 85       |
| 54) o-Xylene                  | 10.105 | 106  | 2083     | 0.187 | ug/L   | 91       |
| 55) Styrene                   | 10.115 | 104  | 3319     | 0.176 | ug/L   | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 1758     | 0.224 | ug/L   | 87       |
| 59) Bromoform                 | 10.291 | 173  | 780      | 0.233 | ug/L # | 94       |
| 60) Isopropylbenzene          | 10.488 | 105  | 5255     | 0.206 | ug/L   | 97       |
| 61) 1,2,3-Trichloropropane    | 10.822 | 75   | 1169     | 0.228 | ug/L # | 88       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 4194     | 0.195 | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 11.471 | 105  | 3768     | 0.180 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.748 | 146  | 2845     | 0.226 | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 2705     | 0.217 | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 2821     | 0.227 | ug/L   | 92       |
| 69) 1,3,5-Trichlorobenzene    | 13.224 | 180  | 1713     | 0.184 | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 1197     | 0.153 | ug/L # | 77       |
| 71) Naphthalene               | 14.095 | 128  | 1940     | 0.127 | ug/L # | 89       |
| 72) 1,2,3-Trichlorobenzene    | 14.339 | 180  | 1610     | 0.214 | ug/L # | 81       |
| -----                         |        |      |          |       |        |          |

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

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