

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU102822\  
 Data File : VU051601.D  
 Acq On : 29 Oct 2022 05:40  
 Operator : JC/MD  
 Sample : N5276-06MS  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EW4W5MS

Quant Time: Oct 29 06:16:47 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR102822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Oct 29 00:39:42 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114   | 219928   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414  | 117   | 226526   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152   | 116239   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.594  | 65    | 65124    | 3.932    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 78.600%  |
| 7) Chloroethane-d5            | 1.909  | 69    | 63942    | 3.701    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 74.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.562  | 65    | 23261    | 3.869    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 77.400%  |
| 20) 2-Butanone-d5             | 4.649  | 46    | 162180   | 27.036   | ug/L   | 0.01     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 54.080%  |
| 24) Chloroform-d              | 5.060  | 84    | 141743   | 3.657    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 73.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65    | 70111    | 3.348    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 67.000%# |
| 32) Benzene-d6                | 5.726  | 84    | 256296   | 3.585    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 71.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67    | 86868    | 3.475    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 69.600%  |
| 41) Toluene-d8                | 7.896  | 98    | 215023   | 3.825    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 76.400%  |
| 43) trans-1,3-Dichloroprop... | 8.179  | 79    | 22051    | 2.885    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 57.800%  |
| 46) 2-Hexanone-d5             | 8.636  | 63    | 150137   | 32.632   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 65.260%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.755 | 84    | 79613    | 3.476    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 69.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.192 | 152   | 78525    | 3.681    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 73.600%# |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.382  | 85    | 109349   | 4.546    | ug/L   | 97       |
| 3) Chloromethane              | 1.520  | 50    | 151294   | 4.990    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.601  | 62    | 139069   | 4.788    | ug/L # | 7        |
| 6) Bromomethane               | 1.855  | 94    | 27404    | 1.990    | ug/L   | 93       |
| 8) Chloroethane               | 1.932  | 64    | 80453    | 4.562    | ug/L # | 80       |
| 9) Trichlorofluoromethane     | 2.134  | 101   | 148886   | 4.670    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.575  | 101   | 83429    | 4.451    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.575  | 96    | 90792    | 4.749    | ug/L   | 96       |
| 13) Acetone                   | 2.658  | 43    | 96849    | 31.820   | ug/L   | 83       |
| 14) Carbon disulfide          | 2.787  | 76    | 338578   | 5.493    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.964  | 43    | 18718    | 2.349    | ug/L   | 98       |
| 16) Methylene chloride        | 3.041  | 84    | 109394   | 3.493    | ug/L   | 98       |
| 17) Methyl tert-butyl Ether   | 3.366  | 73    | 198489   | 4.527    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.350  | 96    | 95942    | 4.676    | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.864  | 63    | 177427   | 4.688    | ug/L   | 98       |
| 21) 2-Butanone                | 4.729  | 43    | 181294   | 38.035   | ug/L   | 86       |
| 22) cis-1,2-Dichloroethene    | 4.665  | 96    | 98040    | 4.318    | ug/L   | 99       |
| 23) Bromochloromethane        | 4.973  | 128   | 48703    | 4.588    | ug/L   | 99       |
| 25) Chloroform                | 5.086  | 83    | 181394   | 4.620    | ug/L   | 99       |

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 Sample : N5276-06MS  
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 ALS Vial : 43 Sample Multiplier: 1

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 MSVOA\_U  
 ClientSampleId :  
 EW4W5MS

Quant Time: Oct 29 06:16:47 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR102822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Oct 29 00:39:42 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.793  | 62   | 107124   | 4.433  | ug/L  | 100      |
| 29) 1,1,1-Trichloroethane     | 5.314  | 97   | 143456   | 4.664  | ug/L  | 99       |
| 30) Cyclohexane               | 5.385  | 56   | 122064   | 4.310  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.520  | 117  | 119439   | 4.541  | ug/L  | 98       |
| 33) Benzene                   | 5.771  | 78   | 414837   | 4.641  | ug/L  | 100      |
| 34) Trichloroethene           | 6.539  | 95   | 95868    | 4.444  | ug/L  | 100      |
| 35) Methylcyclohexane         | 6.761  | 83   | 118289   | 3.966  | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.790  | 63   | 105593   | 4.592  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.102  | 83   | 128846   | 4.588  | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 105283   | 3.569  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.793  | 43   | 535346   | 46.421 | ug/L  | 98       |
| 42) Toluene                   | 7.967  | 91   | 439843   | 4.791  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.208  | 75   | 90940    | 3.689  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 8.398  | 97   | 79397    | 4.712  | ug/L  | 98       |
| 47) Tetrachloroethene         | 8.549  | 164  | 72496    | 4.388  | ug/L  | 94       |
| 48) 2-Hexanone                | 8.684  | 43   | 398300   | 46.659 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.806  | 129  | 85647    | 4.450  | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.922  | 107  | 68799    | 4.526  | ug/L  | 92       |
| 51) Chlorobenzene             | 9.446  | 112  | 259781   | 4.496  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.568  | 91   | 394400   | 4.452  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.690  | 106  | 159093   | 4.624  | ug/L  | 98       |
| 54) o-Xylene                  | 10.099 | 106  | 155318   | 4.619  | ug/L  | 100      |
| 55) Styrene                   | 10.112 | 104  | 262548   | 4.670  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.780 | 83   | 98254    | 4.703  | ug/L  | 99       |
| 59) Bromoform                 | 10.288 | 173  | 47212    | 4.396  | ug/L  | 100      |
| 60) Isopropylbenzene          | 10.481 | 105  | 380955   | 4.489  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.822 | 75   | 66872    | 4.449  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.086 | 105  | 96766    | 4.236  | ug/L  | 97       |
| 63) 1,2,4-Trimethylbenzene    | 11.465 | 105  | 277725   | 4.216  | ug/L  | 97       |
| 64) 1,3-Dichlorobenzene       | 11.742 | 146  | 194356   | 4.601  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.835 | 146  | 187700   | 4.431  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.211 | 146  | 186244   | 4.526  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.996 | 75   | 12785    | 4.131  | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 13.217 | 180  | 124857   | 4.146  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.838 | 180  | 96549    | 4.177  | ug/L  | 98       |
| 71) Naphthalene               | 14.082 | 128  | 173570   | 4.022  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.327 | 180  | 101028   | 4.328  | ug/L  | 100      |

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

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