

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051521\  
 Data File : VX022019.D  
 Acq On : 15 May 2021 00:56  
 Operator : JC/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD005314

Quant Time: May 15 01:16:37 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXTR051021WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri May 14 23:38:54 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.769  | 114   | 71000    | 5.00     | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 10.055 | 117   | 65127    | 5.00     | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 30023    | 5.00     | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.368  | 65    | 26285    | 4.31     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 86.20%   |
| 7) Chloroethane-d5            | 1.672  | 69    | 20419    | 4.18     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 83.60%   |
| 11) 1,1-Dichloroethene-d2     | 2.313  | 63    | 49472    | 4.89     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 97.80%   |
| 20) 2-Butanone-d5             | 4.477  | 46    | 62810    | 45.21    | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 90.42%   |
| 24) Chloroform-d              | 5.062  | 84    | 42870    | 4.09     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 81.80%   |
| 26) 1,2-Dichloroethane-d4     | 5.958  | 65    | 24592    | 4.57     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 91.40%   |
| 32) Benzene-d6                | 5.977  | 84    | 102404   | 4.74     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 94.80%   |
| 36) 1,2-Dichloropropane-d6    | 7.312  | 67    | 31274    | 4.73     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 94.60%   |
| 41) Toluene-d8                | 8.653  | 98    | 95808    | 4.89     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 97.80%   |
| 43) trans-1,3-Dichloroprop... | 8.952  | 79    | 12782    | 4.28     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 85.60%   |
| 46) 2-Hexanone-d5             | 9.391  | 63    | 54838    | 43.16    | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 86.32%   |
| 56) 1,1,2,2-Tetrachloroeth... | 11.195 | 84    | 22083    | 4.32     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 86.40%   |
| 66) 1,2-Dichlorobenzene-d4    | 12.323 | 152   | 30066    | 4.77     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 95.40%   |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.166  | 85    | 31803    | 4.98     | ug/L  | 98       |
| 3) Chloromethane              | 1.288  | 50    | 31147    | 4.78     | ug/L  | 94       |
| 5) Vinyl chloride             | 1.374  | 62    | 33414    | 4.79     | ug/L  | 98       |
| 6) Bromomethane               | 1.618  | 94    | 15471    | 4.10     | ug/L  | 94       |
| 8) Chloroethane               | 1.691  | 64    | 19516    | 4.64     | ug/L  | 99       |
| 9) Trichlorofluoromethane     | 1.892  | 101   | 44955    | 4.92     | ug/L  | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.331  | 101   | 26902    | 5.06     | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.325  | 96    | 25714    | 5.03     | ug/L  | 97       |
| 13) Acetone                   | 2.404  | 43    | 38727    | 54.48    | ug/L  | 99       |
| 14) Carbon disulfide          | 2.514  | 76    | 80434    | 4.86     | ug/L  | 99       |
| 15) Methyl Acetate            | 2.715  | 43    | 10413    | 4.59     | ug/L  | 92       |
| 16) Methylene chloride        | 2.794  | 84    | 29820    | 4.24     | ug/L  | 95       |
| 17) Methyl tert-butyl Ether   | 3.117  | 73    | 65011    | 5.13     | ug/L  | 99       |
| 18) trans-1,2-Dichloroethene  | 3.093  | 96    | 28624    | 5.18     | ug/L  | 98       |
| 19) 1,1-Dichloroethane        | 3.617  | 63    | 49219    | 5.17     | ug/L  | 98       |
| 21) 2-Butanone                | 4.574  | 43    | 70850    | 54.14    | ug/L  | 98       |
| 22) cis-1,2-Dichloroethene    | 4.495  | 96    | 30317    | 5.08     | ug/L  | 86       |
| 23) Bromochloromethane        | 4.904  | 128   | 11904    | 5.12     | ug/L  | 99       |
| 25) Chloroform                | 5.099  | 83    | 57008    | 5.76     | ug/L  | 99       |

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 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD005314

Quant Time: May 15 01:16:37 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXTR051021WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri May 14 23:38:54 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 27) 1,2-Dichloroethane        | 6.098  | 62   | 29823    | 5.18  | ug/L   | 96       |
| 29) 1,1,1-Trichloroethane     | 5.391  | 97   | 46340    | 5.16  | ug/L   | 98       |
| 30) Cyclohexane               | 5.477  | 56   | 48198    | 5.00  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 5.684  | 117  | 37766    | 4.96  | ug/L   | 99       |
| 33) Benzene                   | 6.050  | 78   | 116088   | 5.16  | ug/L   | 100      |
| 34) Trichloroethene           | 7.129  | 95   | 30143    | 5.15  | ug/L   | 92       |
| 35) Methylcyclohexane         | 7.385  | 83   | 48945    | 4.89  | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 7.440  | 63   | 27005    | 4.94  | ug/L   | 97       |
| 38) Bromodichloromethane      | 7.824  | 83   | 34792    | 4.96  | ug/L   | 95       |
| 39) cis-1,3-Dichloropropene   | 8.372  | 75   | 40624    | 4.76  | ug/L   | 91       |
| 40) 4-Methyl-2-pentanone      | 8.580  | 43   | 176063   | 51.74 | ug/L   | 99       |
| 42) Toluene                   | 8.720  | 91   | 122886   | 5.14  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 8.982  | 75   | 33878    | 4.80  | ug/L   | 94       |
| 45) 1,1,2-Trichloroethane     | 9.159  | 97   | 19699    | 5.24  | ug/L   | 96       |
| 47) Tetrachloroethene         | 9.275  | 164  | 19267    | 4.93  | ug/L   | 95       |
| 48) 2-Hexanone                | 9.433  | 43   | 124884   | 52.56 | ug/L   | 98       |
| 49) Dibromochloromethane      | 9.525  | 129  | 21546    | 4.90  | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 9.616  | 107  | 17236    | 4.97  | ug/L # | 96       |
| 51) Chlorobenzene             | 10.086 | 112  | 76934    | 5.19  | ug/L   | 98       |
| 52) Ethylbenzene              | 10.195 | 91   | 136349   | 5.11  | ug/L   | 99       |
| 53) m,p-xylene                | 10.305 | 106  | 51997    | 5.07  | ug/L   | 95       |
| 54) o-xylene                  | 10.646 | 106  | 50774    | 5.12  | ug/L   | 90       |
| 55) Styrene                   | 10.659 | 104  | 83302    | 5.01  | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 22464    | 5.08  | ug/L   | 99       |
| 59) Bromoform                 | 10.805 | 173  | 9869     | 4.80  | ug/L   | 100      |
| 60) Isopropylbenzene          | 10.963 | 105  | 134265   | 5.24  | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 11.244 | 75   | 16723    | 5.38  | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 11.457 | 105  | 113047   | 5.26  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 116161   | 5.25  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.976 | 146  | 54367    | 5.17  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 12.043 | 146  | 54542    | 5.22  | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 12.341 | 146  | 50453    | 5.24  | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.945 | 75   | 3869     | 5.19  | ug/L # | 89       |
| 69) 1,3,5-Trichlorobenzene    | 13.116 | 180  | 38046    | 5.08  | ug/L   | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.591 | 180  | 31506    | 4.95  | ug/L   | 98       |
| 71) Naphthalene               | 13.780 | 128  | 71680    | 5.22  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 28061    | 5.00  | ug/L   | 99       |

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

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