

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX051221\  
 Data File : VX021930.D  
 Acq On : 12 May 2021 16:30  
 Operator : JC/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD005312

Quant Time: May 13 01:13:41 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXTR051021WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu May 13 01:12:16 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.769  | 114   | 77177    | 5.00     | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055 | 117   | 68690    | 5.00     | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 32547    | 5.00     | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.368  | 65    | 25164    | 3.79     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 75.80%   |
| 7) Chloroethane-d5            | 1.672  | 69    | 22101    | 4.16     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 83.20%   |
| 11) 1,1-Dichloroethene-d2     | 2.306  | 63    | 45074    | 4.10     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 82.00%   |
| 20) 2-Butanone-d5             | 4.477  | 46    | 78219    | 51.79    | ug/L   | 0.01     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 103.58%  |
| 24) Chloroform-d              | 5.062  | 84    | 48289    | 4.24     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 84.80%   |
| 26) 1,2-Dichloroethane-d4     | 5.958  | 65    | 27164    | 4.64     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.80%   |
| 32) Benzene-d6                | 5.977  | 84    | 101136   | 4.44     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 88.80%   |
| 36) 1,2-Dichloropropane-d6    | 7.312  | 67    | 32352    | 4.64     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 92.80%   |
| 41) Toluene-d8                | 8.653  | 98    | 87768    | 4.25     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 85.00%   |
| 43) trans-1,3-Dichloroprop... | 8.952  | 79    | 13487    | 4.28     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 85.60%   |
| 46) 2-Hexanone-d5             | 9.384  | 63    | 67208    | 50.15    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 100.30%  |
| 56) 1,1,2,2-Tetrachloroeth... | 11.195 | 84    | 25709    | 4.77     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 95.40%   |
| 66) 1,2-Dichlorobenzene-d4    | 12.323 | 152   | 30827    | 4.52     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 90.40%   |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.166  | 85    | 33798    | 4.87     | ug/L   | 98       |
| 3) Chloromethane              | 1.288  | 50    | 33545    | 4.73     | ug/L   | 95       |
| 5) Vinyl chloride             | 1.374  | 62    | 36328    | 4.79     | ug/L   | 99       |
| 6) Bromomethane               | 1.618  | 94    | 18389    | 4.49     | ug/L   | 99       |
| 8) Chloroethane               | 1.691  | 64    | 21356    | 4.68     | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 1.892  | 101   | 48402    | 4.87     | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.331  | 101   | 27839    | 4.81     | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.319  | 96    | 27490    | 4.95     | ug/L   | 90       |
| 13) Acetone                   | 2.410  | 43    | 38054    | 49.25    | ug/L   | 99       |
| 14) Carbon disulfide          | 2.514  | 76    | 85126    | 4.73     | ug/L   | 99       |
| 15) Methyl Acetate            | 2.715  | 43    | 10892    | 4.42     | ug/L   | 97       |
| 16) Methylene chloride        | 2.788  | 84    | 36896    | 4.83     | ug/L   | 97       |
| 17) Methyl tert-butyl Ether   | 3.117  | 73    | 67907    | 4.93     | ug/L   | 100      |
| 18) trans-1,2-Dichloroethene  | 3.093  | 96    | 28587    | 4.76     | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.611  | 63    | 51386    | 4.97     | ug/L   | 98       |
| 21) 2-Butanone                | 4.580  | 43    | 70105    | 49.28    | ug/L   | 98       |
| 22) cis-1,2-Dichloroethene    | 4.495  | 96    | 30797    | 4.75     | ug/L   | 88       |
| 23) Bromochloromethane        | 4.910  | 128   | 12095    | 4.78     | ug/L   | 95       |
| 25) Chloroform                | 5.099  | 83    | 56610    | 5.26     | ug/L   | 94       |

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 Acq On : 12 May 2021 16:30  
 Operator : JC/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD005312

Quant Time: May 13 01:13:41 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXTR051021WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu May 13 01:12:16 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 27) 1,2-Dichloroethane        | 6.086  | 62   | 31245    | 4.99  | ug/L   | 99       |
| 29) 1,1,1-Trichloroethane     | 5.391  | 97   | 48316    | 5.10  | ug/L   | 98       |
| 30) Cyclohexane               | 5.477  | 56   | 50303    | 4.95  | ug/L   | 98       |
| 31) Carbon tetrachloride      | 5.678  | 117  | 39577    | 4.93  | ug/L   | 97       |
| 33) Benzene                   | 6.044  | 78   | 118556   | 5.00  | ug/L   | 100      |
| 34) Trichloroethene           | 7.129  | 95   | 30609    | 4.96  | ug/L   | 98       |
| 35) Methylcyclohexane         | 7.385  | 83   | 50947    | 4.82  | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 7.434  | 63   | 28370    | 4.92  | ug/L   | 100      |
| 38) Bromodichloromethane      | 7.824  | 83   | 37129    | 5.02  | ug/L   | 92       |
| 39) cis-1,3-Dichloropropene   | 8.372  | 75   | 43347    | 4.81  | ug/L   | 94       |
| 40) 4-Methyl-2-pentanone      | 8.580  | 43   | 178827   | 49.82 | ug/L   | 99       |
| 42) Toluene                   | 8.720  | 91   | 127786   | 5.07  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 8.982  | 75   | 36386    | 4.89  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 9.153  | 97   | 20200    | 5.09  | ug/L   | 96       |
| 47) Tetrachloroethene         | 9.275  | 164  | 21270    | 5.16  | ug/L   | 97       |
| 48) 2-Hexanone                | 9.433  | 43   | 128213   | 51.16 | ug/L   | 99       |
| 49) Dibromochloromethane      | 9.525  | 129  | 22314    | 4.81  | ug/L   | 94       |
| 50) 1,2-Dibromoethane         | 9.610  | 107  | 18522    | 5.07  | ug/L # | 100      |
| 51) Chlorobenzene             | 10.079 | 112  | 77815    | 4.98  | ug/L   | 95       |
| 52) Ethylbenzene              | 10.195 | 91   | 141728   | 5.04  | ug/L   | 99       |
| 53) m,p-xylene                | 10.305 | 106  | 54711    | 5.06  | ug/L   | 100      |
| 54) o-xylene                  | 10.646 | 106  | 52260    | 5.00  | ug/L   | 89       |
| 55) Styrene                   | 10.659 | 104  | 87338    | 4.98  | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 22824    | 4.90  | ug/L   | 98       |
| 59) Bromoform                 | 10.805 | 173  | 10784    | 4.84  | ug/L   | 98       |
| 60) Isopropylbenzene          | 10.963 | 105  | 140739   | 5.07  | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 11.244 | 75   | 16983    | 5.04  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 118514   | 5.09  | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.756 | 105  | 121894   | 5.08  | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 55851    | 4.90  | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 12.043 | 146  | 55925    | 4.94  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 51432    | 4.93  | ug/L   | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 12.945 | 75   | 4147     | 5.13  | ug/L   | 97       |
| 69) 1,3,5-Trichlorobenzene    | 13.116 | 180  | 40631    | 5.00  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.591 | 180  | 34788    | 5.04  | ug/L   | 96       |
| 71) Naphthalene               | 13.780 | 128  | 74505    | 5.01  | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 30178    | 4.96  | ug/L   | 97       |

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

