

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU110124\  
 Data File : VU061349.D  
 Acq On : 01 Nov 2024 08:59  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005116

Quant Time: Nov 04 03:59:42 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR102324WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 01 00:44:02 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 180500   | 5.000    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 167274   | 5.000    | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.804 | 152   | 80876    | 5.000    | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 53935    | 4.399    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 88.000%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 55627    | 4.949    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 99.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 24973    | 4.760    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 95.200%  |
| 20) 2-Butanone-d5             | 4.624  | 46    | 121665   | 48.873   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 97.740%  |
| 24) Chloroform-d              | 5.055  | 84    | 113706   | 4.886    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 97.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 56812    | 4.897    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 98.000%  |
| 32) Benzene-d6                | 5.721  | 84    | 231750   | 4.917    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 98.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 68451    | 4.831    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 96.600%  |
| 41) Toluene-d8                | 7.891  | 98    | 217069   | 4.926    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 98.600%  |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 26551    | 4.590    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 91.800%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 110995   | 46.851   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 93.700%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.746 | 84    | 52181    | 4.870    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 97.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 69863    | 4.878    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 97.600%  |
|                               |        |       |          |          |       |          |
| Target Compounds              | Qvalue |       |          |          |       |          |
| 2) Dichlorodifluoromethane    | 1.383  | 85    | 57338    | 4.765    | ug/L  | 98       |
| 3) Chloromethane              | 1.518  | 50    | 52759    | 4.158    | ug/L  | 99       |
| 5) Vinyl chloride             | 1.599  | 62    | 62345    | 4.469    | ug/L  | 100      |
| 6) Bromomethane               | 1.853  | 94    | 44291    | 4.791    | ug/L  | 97       |
| 8) Chloroethane               | 1.930  | 64    | 49573    | 4.826    | ug/L  | 100      |
| 9) Trichlorofluoromethane     | 2.133  | 101   | 90972    | 4.801    | ug/L  | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101   | 60035    | 5.335    | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 52319    | 4.903    | ug/L  | 98       |
| 13) Acetone                   | 2.641  | 43    | 76139    | 48.289   | ug/L  | 100      |
| 14) Carbon disulfide          | 2.788  | 76    | 153372   | 4.308    | ug/L  | 99       |
| 15) Methyl Acetate            | 2.952  | 43    | 20103    | 5.149    | ug/L  | 95       |
| 16) Methylene chloride        | 3.039  | 84    | 60943    | 4.846    | ug/L  | 100      |
| 17) Methyl tert-butyl Ether   | 3.354  | 73    | 140551   | 4.860    | ug/L  | 99       |
| 18) trans-1,2-Dichloroethene  | 3.345  | 96    | 57091    | 4.838    | ug/L  | 96       |
| 19) 1,1-Dichloroethane        | 3.859  | 63    | 107532   | 4.832    | ug/L  | 98       |
| 21) 2-Butanone                | 4.705  | 43    | 123657   | 49.470   | ug/L  | 98       |
| 22) cis-1,2-Dichloroethene    | 4.657  | 96    | 65522    | 4.861    | ug/L  | 99       |
| 23) Bromochloromethane        | 4.965  | 128   | 28489    | 5.023    | ug/L  | 98       |
| 25) Chloroform                | 5.078  | 83    | 115033   | 4.916    | ug/L  | 100      |

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 Acq On : 01 Nov 2024 08:59  
 Operator : MD/SY  
 Sample : VSTDCCC005  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005116

Quant Time: Nov 04 03:59:42 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR102324WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 01 00:44:02 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 71469    | 4.833  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97   | 97321    | 4.751  | ug/L  | 98       |
| 30) Cyclohexane               | 5.380  | 56   | 95122    | 4.630  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.515  | 117  | 83147    | 4.744  | ug/L  | 98       |
| 33) Benzene                   | 5.766  | 78   | 252341   | 4.878  | ug/L  | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 68058    | 4.836  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.756  | 83   | 106722   | 4.765  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 63435    | 4.838  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.097  | 83   | 80223    | 4.834  | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 7.599  | 75   | 96235    | 4.752  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 316196   | 48.450 | ug/L  | 99       |
| 42) Toluene                   | 7.962  | 91   | 275893   | 4.911  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 76697    | 4.648  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 47892    | 5.075  | ug/L  | 99       |
| 47) Tetrachloroethene         | 8.547  | 164  | 49657    | 5.052  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.676  | 43   | 228679   | 49.552 | ug/L  | 100      |
| 49) Dibromochloromethane      | 8.801  | 129  | 50982    | 4.763  | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 44451    | 4.849  | ug/L  | 92       |
| 51) Chlorobenzene             | 9.441  | 112  | 173727   | 4.892  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.563  | 91   | 300512   | 4.863  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.688  | 106  | 113216   | 4.809  | ug/L  | 97       |
| 54) o-Xylene                  | 10.094 | 106  | 111692   | 4.807  | ug/L  | 98       |
| 55) Styrene                   | 10.107 | 104  | 183001   | 4.913  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.772 | 83   | 56261    | 4.948  | ug/L  | 98       |
| 59) Bromoform                 | 10.283 | 173  | 27177    | 4.540  | ug/L  | 100      |
| 60) Isopropylbenzene          | 10.476 | 105  | 298444   | 4.831  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.814 | 75   | 38610    | 4.792  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 237872   | 4.729  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 236999   | 4.767  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 129467   | 4.979  | ug/L  | 96       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 129036   | 4.868  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.203 | 146  | 120082   | 4.907  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.987 | 75   | 7093     | 4.193  | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 13.212 | 180  | 91528    | 5.135  | ug/L  | 96       |
| 70) 1,2,4-trichlorobenzene    | 13.833 | 180  | 71278    | 4.955  | ug/L  | 99       |
| 71) Naphthalene               | 14.081 | 128  | 98955    | 4.360  | ug/L  | 98       |
| 72) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 58527    | 4.863  | ug/L  | 99       |

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

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Sample : VSTDCCC005  
Misc : 25mL/MSVOA\_U/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
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Quant Title : TRACE VOA SFAM1.0  
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