

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU112322\  
 Data File : VU052109.D  
 Acq On : 24 Nov 2022 00:40  
 Operator : JC/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005090

Quant Time: Nov 24 04:17:47 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR111822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Nov 24 04:13:15 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.247  | 114   | 234253   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414  | 117   | 238498   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809 | 152   | 122050   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.601  | 65    | 79651    | 3.496    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 70.000%  |
| 7) Chloroethane-d5            | 1.909  | 69    | 74529    | 4.211    | ug/L   | 0.01     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 84.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.565  | 65    | 31045    | 3.801    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 76.000%  |
| 20) 2-Butanone-d5             | 4.616  | 46    | 207538   | 50.249   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 100.500% |
| 24) Chloroform-d              | 5.060  | 84    | 159153   | 4.754    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 95.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.700  | 65    | 79828    | 4.721    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 94.400%  |
| 32) Benzene-d6                | 5.726  | 84    | 317749   | 4.488    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 89.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.687  | 67    | 100949   | 4.607    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 92.200%  |
| 41) Toluene-d8                | 7.896  | 98    | 287375   | 4.486    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 89.800%  |
| 43) trans-1,3-Dichloroprop... | 8.179  | 79    | 34399    | 4.308    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 86.200%  |
| 46) 2-Hexanone-d5             | 8.629  | 63    | 182416   | 53.905   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 107.820% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751 | 84    | 93667    | 4.930    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 98.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.189 | 152   | 103071   | 4.411    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 88.200%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.385  | 85    | 96061    | 4.728    | ug/L   | 99       |
| 3) Chloromethane              | 1.523  | 50    | 133093   | 5.019    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.604  | 62    | 128328   | 5.037    | ug/L   | 96       |
| 6) Bromomethane               | 1.851  | 94    | 58365    | 4.465    | ug/L   | 94       |
| 8) Chloroethane               | 1.932  | 64    | 82045    | 5.179    | ug/L   | 95       |
| 9) Trichlorofluoromethane     | 2.137  | 101   | 134040   | 4.783    | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.581  | 101   | 80002    | 4.669    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.578  | 96    | 82785    | 4.872    | ug/L   | 89       |
| 13) Acetone                   | 2.620  | 43    | 139661   | 49.796   | ug/L   | 98       |
| 14) Carbon disulfide          | 2.793  | 76    | 278118   | 4.728    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.945  | 43    | 37466    | 5.150    | ug/L   | 98       |
| 16) Methylene chloride        | 3.044  | 84    | 118873   | 5.171    | ug/L   | 98       |
| 17) Methyl tert-butyl Ether   | 3.359  | 73    | 190703   | 5.013    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.353  | 96    | 91741    | 5.036    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.867  | 63    | 171319   | 5.218    | ug/L   | 99       |
| 21) 2-Butanone                | 4.697  | 43    | 228372   | 50.803   | ug/L   | 98       |
| 22) cis-1,2-Dichloroethene    | 4.665  | 96    | 98374    | 5.146    | ug/L   | 97       |
| 23) Bromochloromethane        | 4.970  | 128   | 48497    | 5.302    | ug/L   | 96       |
| 25) Chloroform                | 5.086  | 83    | 176599   | 5.308    | ug/L   | 94       |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005090

Quant Time: Nov 24 04:17:47 2022  
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 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Nov 24 04:13:15 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.790  | 62   | 106568   | 5.230  | ug/L  | 100      |
| 29) 1,1,1-Trichloroethane     | 5.314  | 97   | 135197   | 5.109  | ug/L  | 99       |
| 30) Cyclohexane               | 5.385  | 56   | 116538   | 4.536  | ug/L  | 97       |
| 31) Carbon tetrachloride      | 5.523  | 117  | 108416   | 4.822  | ug/L  | 99       |
| 33) Benzene                   | 5.771  | 78   | 406329   | 5.235  | ug/L  | 100      |
| 34) Trichloroethene           | 6.539  | 95   | 93980    | 4.854  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.761  | 83   | 119009   | 4.273  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.787  | 63   | 106528   | 5.301  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.102  | 83   | 123055   | 5.022  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.604  | 75   | 124667   | 4.832  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.787  | 43   | 554234   | 52.796 | ug/L  | 100      |
| 42) Toluene                   | 7.967  | 91   | 429113   | 5.375  | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 8.208  | 75   | 108915   | 4.929  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 8.398  | 97   | 76915    | 5.093  | ug/L  | 97       |
| 47) Tetrachloroethene         | 8.552  | 164  | 70221    | 4.733  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.681  | 43   | 416027   | 54.058 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.806  | 129  | 84424    | 4.991  | ug/L  | 96       |
| 50) 1,2-Dibromoethane         | 8.922  | 107  | 72093    | 5.241  | ug/L  | 100      |
| 51) Chlorobenzene             | 9.446  | 112  | 260793   | 5.123  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.568  | 91   | 395448   | 5.095  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.693  | 106  | 157247   | 5.232  | ug/L  | 98       |
| 54) o-Xylene                  | 10.099 | 106  | 155893   | 5.412  | ug/L  | 98       |
| 55) Styrene                   | 10.111 | 104  | 267781   | 5.504  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.780 | 83   | 103094   | 5.466  | ug/L  | 96       |
| 59) Bromoform                 | 10.288 | 173  | 48001    | 4.775  | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.481 | 105  | 384446   | 5.015  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.819 | 75   | 68724    | 4.920  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.086 | 105  | 290303   | 4.737  | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 11.465 | 105  | 300416   | 4.938  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.742 | 146  | 194178   | 4.960  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.835 | 146  | 188318   | 4.824  | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 12.208 | 146  | 188808   | 5.009  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.992 | 75   | 14167    | 4.635  | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 13.214 | 180  | 126042   | 4.541  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.838 | 180  | 94100    | 4.452  | ug/L  | 98       |
| 71) Naphthalene               | 14.082 | 128  | 162662   | 4.099  | ug/L  | 98       |
| 72) 1,2,3-Trichlorobenzene    | 14.327 | 180  | 94344    | 4.537  | ug/L  | 98       |

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

