

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU040924\  
 Data File : VU058545.D  
 Acq On : 10 Apr 2024 03:49  
 Operator : MD/SY  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005190

Quant Time: Apr 10 04:42:37 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR040424WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Apr 10 02:08:42 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene     | 6.242  | 114  | 67455    | 5.000 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.412  | 117  | 64102    | 5.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.804 | 152  | 32756    | 5.000 | ug/L  | 0.00     |

|                               |        |       |          |          |      |          |
|-------------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds   |        |       |          |          |      |          |
| 4) Vinyl Chloride-d3          | 1.592  | 65    | 23347    | 5.228    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =    | 104.600% |
| 7) Chloroethane-d5            | 1.907  | 69    | 19221    | 4.952    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =    | 99.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.557  | 65    | 10099    | 4.996    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =    | 100.000% |
| 20) 2-Butanone-d5             | 4.627  | 46    | 42828    | 45.506   | ug/L | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =    | 91.020%  |
| 24) Chloroform-d              | 5.052  | 84    | 44745    | 5.019    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =    | 100.400% |
| 26) 1,2-Dichloroethane-d4     | 5.692  | 65    | 20298    | 4.879    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =    | 97.600%  |
| 32) Benzene-d6                | 5.717  | 84    | 85671    | 4.964    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =    | 99.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.682  | 67    | 26505    | 4.897    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =    | 98.000%  |
| 41) Toluene-d8                | 7.891  | 98    | 76898    | 5.024    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =    | 100.400% |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 7996     | 4.760    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =    | 95.200%  |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 31061    | 44.826   | ug/L | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =    | 89.660%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.749 | 84    | 16510    | 4.321    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =    | 86.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.187 | 152   | 23182    | 4.202    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =    | 84.000%  |

|                               |       |     |       |        |      |     |
|-------------------------------|-------|-----|-------|--------|------|-----|
| Target Compounds              |       |     |       | Qvalue |      |     |
| 2) Dichlorodifluoromethane    | 1.377 | 85  | 29124 | 5.180  | ug/L | 98  |
| 3) Chloromethane              | 1.512 | 50  | 37911 | 5.510  | ug/L | 98  |
| 5) Vinyl chloride             | 1.595 | 62  | 38231 | 5.563  | ug/L | 100 |
| 6) Bromomethane               | 1.849 | 94  | 17672 | 5.436  | ug/L | 99  |
| 8) Chloroethane               | 1.927 | 64  | 24976 | 5.753  | ug/L | 100 |
| 9) Trichlorofluoromethane     | 2.132 | 101 | 51030 | 5.623  | ug/L | 100 |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573 | 101 | 29292 | 5.432  | ug/L | 98  |
| 12) 1,1-Dichloroethene        | 2.573 | 96  | 25824 | 5.402  | ug/L | 93  |
| 13) Acetone                   | 2.640 | 43  | 41287 | 51.398 | ug/L | 99  |
| 14) Carbon disulfide          | 2.785 | 76  | 80665 | 5.312  | ug/L | 99  |
| 15) Methyl Acetate            | 2.949 | 43  | 11174 | 5.895  | ug/L | 96  |
| 16) Methylene chloride        | 3.036 | 84  | 34185 | 5.388  | ug/L | 96  |
| 17) Methyl tert-butyl Ether   | 3.351 | 73  | 61790 | 5.472  | ug/L | 98  |
| 18) trans-1,2-Dichloroethene  | 3.345 | 96  | 28183 | 5.625  | ug/L | 95  |
| 19) 1,1-Dichloroethane        | 3.856 | 63  | 63429 | 5.800  | ug/L | 99  |
| 21) 2-Butanone                | 4.705 | 43  | 65507 | 54.560 | ug/L | 97  |
| 22) cis-1,2-Dichloroethene    | 4.656 | 96  | 31883 | 5.667  | ug/L | 96  |
| 23) Bromochloromethane        | 4.965 | 128 | 12662 | 5.712  | ug/L | 95  |
| 25) Chloroform                | 5.078 | 83  | 61777 | 5.837  | ug/L | 100 |

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 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005190

Quant Time: Apr 10 04:42:37 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR040424WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Apr 10 02:08:42 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 36790    | 5.708  | ug/L  | 97       |
| 29) 1,1,1-Trichloroethane     | 5.306  | 97   | 50043    | 5.823  | ug/L  | 98       |
| 30) Cyclohexane               | 5.380  | 56   | 49330    | 5.435  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 5.515  | 117  | 42027    | 5.774  | ug/L  | 99       |
| 33) Benzene                   | 5.766  | 78   | 135366   | 5.825  | ug/L  | 100      |
| 34) Trichloroethene           | 6.534  | 95   | 33489    | 5.718  | ug/L  | 94       |
| 35) Methylcyclohexane         | 6.756  | 83   | 47083    | 5.335  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.782  | 63   | 36882    | 6.033  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.097  | 83   | 41642    | 5.968  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 42565    | 5.475  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 166420   | 57.833 | ug/L  | 98       |
| 42) Toluene                   | 7.962  | 91   | 137835   | 5.655  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 8.203  | 75   | 34491    | 5.626  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 21004    | 5.883  | ug/L  | 96       |
| 47) Tetrachloroethene         | 8.547  | 164  | 23081    | 5.375  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.679  | 43   | 115771   | 56.671 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.801  | 129  | 23600    | 5.717  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.917  | 107  | 18450    | 5.650  | ug/L  | 96       |
| 51) Chlorobenzene             | 9.441  | 112  | 81873    | 5.552  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.563  | 91   | 144843   | 5.609  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.688  | 106  | 52862    | 5.717  | ug/L  | 99       |
| 54) o-Xylene                  | 10.094 | 106  | 51283    | 5.657  | ug/L  | 99       |
| 55) Styrene                   | 10.110 | 104  | 85373    | 5.854  | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 25500    | 5.790  | ug/L  | 98       |
| 59) Bromoform                 | 10.283 | 173  | 11869    | 5.423  | ug/L  | 98       |
| 60) Isopropylbenzene          | 10.476 | 105  | 131145   | 5.469  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.817 | 75   | 18796    | 5.624  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 104266   | 5.332  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 106651   | 5.341  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 61339    | 5.266  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.830 | 146  | 59497    | 5.243  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 55501    | 5.238  | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.991 | 75   | 3457     | 6.099  | ug/L  | 88       |
| 69) 1,3,5-Trichlorobenzene    | 13.212 | 180  | 42962    | 4.988  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 29779    | 4.483  | ug/L  | 97       |
| 71) Naphthalene               | 14.080 | 128  | 33094    | 3.636  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 24707    | 4.504  | ug/L  | 97       |

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

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