

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\U030922\  
 Data File : U047400.D  
 Acq On : 09 Mar 2022 12:13  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005090

Quant Time: Mar 10 00:46:29 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR030922WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Mar 10 00:41:40 2022  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |                | Response | Conc       | Units | Dev(Min) |
|-------------------------------|-----------|----------------|----------|------------|-------|----------|
| -----                         |           |                |          |            |       |          |
| Internal Standards            |           |                |          |            |       |          |
| 1) 1,4-Difluorobenzene        | 6.253     | 114            | 173081   | 5.000      | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.420     | 117            | 166468   | 5.000      | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812    | 152            | 92486    | 5.000      | ug/L  | 0.00     |
| System Monitoring Compounds   |           |                |          |            |       |          |
| 4) Vinyl Chloride-d3          | 1.601     | 65             | 49530    | 5.276      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 40 - 130 | Recovery | = 105.600% |       |          |
| 7) Chloroethane-d5            | 1.919     | 69             | 36620    | 5.314      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 65 - 130 | Recovery | = 106.200% |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.572     | 65             | 22365    | 5.394      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 60 - 125 | Recovery | = 107.800% |       |          |
| 20) 2-Butanone-d5             | 4.642     | 46             | 86871    | 51.978     | ug/L  | 0.00     |
| Spiked Amount                 | 50.000    | Range 40 - 130 | Recovery | = 103.960% |       |          |
| 24) Chloroform-d              | 5.070     | 84             | 79300    | 5.303      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 125 | Recovery | = 106.000% |       |          |
| 26) 1,2-Dichloroethane-d4     | 5.707     | 65             | 40790    | 5.386      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 130 | Recovery | = 107.800% |       |          |
| 32) Benzene-d6                | 5.732     | 84             | 167079   | 5.336      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 125 | Recovery | = 106.800% |       |          |
| 36) 1,2-Dichloropropane-d6    | 6.694     | 67             | 48492    | 5.235      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 60 - 140 | Recovery | = 104.600% |       |          |
| 41) Toluene-d8                | 7.899     | 98             | 164997   | 5.361      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 70 - 130 | Recovery | = 107.200% |       |          |
| 43) trans-1,3-Dichloroprop... | 8.182     | 79             | 21463    | 5.457      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 55 - 130 | Recovery | = 109.200% |       |          |
| 46) 2-Hexanone-d5             | 8.636     | 63             | 95478    | 55.109     | ug/L  | 0.00     |
| Spiked Amount                 | 50.000    | Range 45 - 130 | Recovery | = 110.220% |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758    | 84             | 43115    | 5.341      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 65 - 120 | Recovery | = 106.800% |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.195    | 152            | 63403    | 5.407      | ug/L  | 0.00     |
| Spiked Amount                 | 5.000     | Range 80 - 120 | Recovery | = 108.200% |       |          |
| Target Compounds              |           |                |          |            |       |          |
|                               |           |                |          |            |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.388     | 85             | 59128    | 4.563      | ug/L  | 100      |
| 3) Chloromethane              | 1.523     | 50             | 57262    | 4.425      | ug/L  | 96       |
| 5) Vinyl chloride             | 1.607     | 62             | 57179    | 4.492      | ug/L  | 100      |
| 6) Bromomethane               | 1.864     | 94             | 32549    | 4.485      | ug/L  | 99       |
| 8) Chloroethane               | 1.938     | 64             | 34402    | 4.450      | ug/L  | 99       |
| 9) Trichlorofluoromethane     | 2.144     | 101            | 76095    | 4.537      | ug/L  | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.588     | 101            | 49494    | 4.780      | ug/L  | 97       |
| 12) 1,1-Dichloroethene        | 2.588     | 96             | 45240    | 4.452      | ug/L  | 94       |
| 13) Acetone                   | 2.655     | 43             | 64834    | 42.222     | ug/L  | 97       |
| 14) Carbon disulfide          | 2.800     | 76             | 141976   | 4.552      | ug/L  | 99       |
| 15) Methyl Acetate            | 2.961     | 43             | 16583    | 4.087      | ug/L  | 91       |
| 16) Methylene chloride        | 3.051     | 84             | 51904    | 4.279      | ug/L  | 98       |
| 17) Methyl tert-butyl Ether   | 3.369     | 73             | 117113   | 4.469      | ug/L  | 99       |
| 18) trans-1,2-Dichloroethene  | 3.359     | 96             | 48869    | 4.492      | ug/L  | 97       |
| 19) 1,1-Dichloroethane        | 3.877     | 63             | 83145    | 4.493      | ug/L  | 98       |
| 21) 2-Butanone                | 4.723     | 43             | 122665   | 44.359     | ug/L  | 97       |
| 22) cis-1,2-Dichloroethene    | 4.671     | 96             | 54117    | 4.489      | ug/L  | 97       |
| 23) Bromochloromethane        | 4.980     | 128            | 26491    | 4.599      | ug/L  | 99       |
| 25) Chloroform                | 5.092     | 83             | 88013    | 4.393      | ug/L  | 99       |

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 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005090

Quant Time: Mar 10 00:46:29 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR030922WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Mar 10 00:41:40 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.797  | 62   | 58067    | 4.502  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 5.321  | 97   | 75641    | 4.398  | ug/L  | 98       |
| 30) Cyclohexane               | 5.395  | 56   | 75584    | 4.562  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 5.530  | 117  | 68535    | 4.537  | ug/L  | 100      |
| 33) Benzene                   | 5.777  | 78   | 204009   | 4.538  | ug/L  | 100      |
| 34) Trichloroethene           | 6.546  | 95   | 53583    | 4.458  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.764  | 83   | 86554    | 4.566  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.797  | 63   | 50529    | 4.513  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.108  | 83   | 66626    | 4.482  | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 7.610  | 75   | 78116    | 4.602  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.797  | 43   | 344584   | 45.146 | ug/L  | 100      |
| 42) Toluene                   | 7.973  | 91   | 222896   | 4.564  | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 8.214  | 75   | 69103    | 4.514  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.404  | 97   | 42325    | 4.612  | ug/L  | 97       |
| 47) Tetrachloroethene         | 8.555  | 164  | 47491    | 4.658  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.690  | 43   | 254346   | 45.931 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.813  | 129  | 50038    | 4.489  | ug/L  | 94       |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 42425    | 4.544  | ug/L  | 98       |
| 51) Chlorobenzene             | 9.449  | 112  | 148156   | 4.534  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.571  | 91   | 240326   | 4.543  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.694  | 106  | 94113    | 4.536  | ug/L  | 99       |
| 54) o-Xylene                  | 10.102 | 106  | 91252    | 4.539  | ug/L  | 100      |
| 55) Styrene                   | 10.115 | 104  | 155885   | 4.587  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.784 | 83   | 55797    | 4.542  | ug/L  | 99       |
| 59) Bromoform                 | 10.295 | 173  | 32067    | 4.605  | ug/L  | 99       |
| 60) Isopropylbenzene          | 10.485 | 105  | 241193   | 4.661  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.825 | 75   | 40574    | 4.736  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 158710   | 4.676  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 205008   | 4.656  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.748 | 146  | 125636   | 4.581  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.838 | 146  | 128419   | 4.611  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 120973   | 4.590  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.999 | 75   | 8810     | 4.562  | ug/L  | 92       |
| 69) 1,3,5-Trichlorobenzene    | 13.221 | 180  | 108901   | 4.841  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 97472    | 4.861  | ug/L  | 98       |
| 71) Naphthalene               | 14.089 | 128  | 172280   | 4.804  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 87690    | 4.769  | ug/L  | 99       |

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

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