

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042121\  
 Data File : VU043246.D  
 Acq On : 21 Apr 2021 13:29  
 Operator : SY/MD  
 Sample : M2055-02MS  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H4476MS

Quant Time: Apr 22 04:42:27 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR041521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Apr 22 04:40:57 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.256  | 114   | 104544   | 5.00     | ug/L  | # 0.00   |
| 28) Chlorobenzene-d5          | 9.423  | 117   | 102923   | 5.00     | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.819 | 152   | 55744    | 5.00     | ug/L  | 0.00     |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.604  | 65    | 18718    | 3.52     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 70.40%   |
| 7) Chloroethane-d5            | 1.919  | 69    | 19044    | 3.80     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 76.00%   |
| 11) 1,1-Dichloroethene-d2     | 2.575  | 65    | 12345    | 4.01     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 80.20%   |
| 20) 2-Butanone-d5             | 4.652  | 46    | 118139   | 50.67    | ug/L  | -0.01    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 101.34%  |
| 24) Chloroform-d              | 5.073  | 84    | 61553    | 4.55     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 91.00%   |
| 26) 1,2-Dichloroethane-d4     | 5.710  | 65    | 37490    | 4.10     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 82.00%   |
| 32) Benzene-d6                | 5.735  | 84    | 108332   | 4.52     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 90.40%   |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67    | 36827    | 4.63     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 92.60%   |
| 41) Toluene-d8                | 7.906  | 98    | 100507   | 4.03     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 80.60%   |
| 43) trans-1,3-Dichloroprop... | 8.185  | 79    | 14782    | 4.21     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 84.20%   |
| 46) 2-Hexanone-d5             | 8.642  | 63    | 74807    | 42.74    | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 85.48%   |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764 | 84    | 33433    | 4.78     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 95.60%   |
| 66) 1,2-Dichlorobenzene-d4    | 12.201 | 152   | 41513    | 4.34     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 86.80%   |
| Target Compounds              |        |       |          |          |       |          |
|                               |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.388  | 85    | 18057    | 2.69     | ug/L  | 100      |
| 3) Chloromethane              | 1.523  | 50    | 25513    | 3.87     | ug/L  | 99       |
| 5) Vinyl chloride             | 1.607  | 62    | 27662    | 4.03     | ug/L  | 99       |
| 6) Bromomethane               | 1.864  | 94    | 17585    | 4.29     | ug/L  | 98       |
| 8) Chloroethane               | 1.941  | 64    | 19889    | 4.02     | ug/L  | 100      |
| 9) Trichlorofluoromethane     | 2.144  | 101   | 57329    | 4.48     | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.587  | 101   | 32654    | 4.73     | ug/L  | 94       |
| 12) 1,1-Dichloroethene        | 2.587  | 96    | 30424    | 5.24     | ug/L  | 88       |
| 13) Acetone                   | 2.665  | 43    | 100676   | 58.76    | ug/L  | # 63     |
| 14) Carbon disulfide          | 2.803  | 76    | 93435    | 6.31     | ug/L  | 99       |
| 15) Methyl Acetate            | 2.964  | 43    | 21074    | 6.54     | ug/L  | # 85     |
| 16) Methylene chloride        | 3.054  | 84    | 36057    | 4.79     | ug/L  | # 75     |
| 17) Methyl tert-butyl Ether   | 3.372  | 73    | 96536    | 5.08     | ug/L  | # 92     |
| 18) trans-1,2-Dichloroethene  | 3.362  | 96    | 33340    | 5.38     | ug/L  | 90       |
| 19) 1,1-Dichloroethane        | 3.880  | 63    | 72119    | 5.35     | ug/L  | 98       |
| 21) 2-Butanone                | 4.729  | 43    | 164540   | 58.19    | ug/L  | 83       |
| 22) cis-1,2-Dichloroethene    | 4.677  | 96    | 38165    | 5.20     | ug/L  | 81       |
| 23) Bromochloromethane        | 4.983  | 128   | 18444    | 5.51     | ug/L  | # 76     |
| 25) Chloroform                | 5.099  | 83    | 76214    | 5.30     | ug/L  | 99       |

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Quant Time: Apr 22 04:42:27 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR041521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Apr 22 04:40:57 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.803  | 62   | 59811    | 5.67  | ug/L # | 93       |
| 29) 1,1,1-Trichloroethane     | 5.327  | 97   | 66635    | 5.24  | ug/L   | 94       |
| 30) Cyclohexane               | 5.398  | 56   | 60641    | 5.57  | ug/L   | 85       |
| 31) Carbon tetrachloride      | 5.533  | 117  | 55865    | 5.27  | ug/L   | 99       |
| 33) Benzene                   | 5.783  | 78   | 152552   | 5.54  | ug/L   | 100      |
| 34) Trichloroethene           | 6.549  | 95   | 39401    | 5.20  | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.771  | 83   | 56403    | 5.38  | ug/L   | 89       |
| 37) 1,2-Dichloropropane       | 6.800  | 63   | 42897    | 5.54  | ug/L   | 98       |
| 38) Bromodichloromethane      | 7.115  | 83   | 56274    | 5.41  | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 7.616  | 75   | 60227    | 5.32  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.799  | 43   | 394574   | 56.92 | ug/L # | 84       |
| 42) Toluene                   | 7.976  | 91   | 167800   | 5.46  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 8.217  | 75   | 55721    | 5.22  | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 8.407  | 97   | 31116    | 5.38  | ug/L   | 95       |
| 47) Tetrachloroethene         | 8.558  | 164  | 32815    | 5.46  | ug/L   | 96       |
| 48) 2-Hexanone                | 8.693  | 43   | 308827   | 60.55 | ug/L # | 83       |
| 49) Dibromochloromethane      | 8.819  | 129  | 39330    | 5.38  | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 8.931  | 107  | 30069    | 5.22  | ug/L # | 98       |
| 51) Chlorobenzene             | 9.452  | 112  | 104086   | 5.31  | ug/L   | 91       |
| 52) Ethylbenzene              | 9.578  | 91   | 185088   | 5.26  | ug/L   | 98       |
| 53) m,p-Xylene                | 9.700  | 106  | 68545    | 5.32  | ug/L   | 89       |
| 54) o-Xylene                  | 10.108 | 106  | 66719    | 5.23  | ug/L   | 91       |
| 55) Styrene                   | 10.121 | 104  | 113913   | 5.21  | ug/L   | 95       |
| 57) 1,1,2,2-Tetrachloroethane | 10.790 | 83   | 41936    | 5.51  | ug/L   | 97       |
| 59) Bromoform                 | 10.298 | 173  | 23427    | 5.14  | ug/L   | 99       |
| 60) Isopropylbenzene          | 10.491 | 105  | 179657   | 5.02  | ug/L # | 97       |
| 61) 1,2,3-Trichloropropane    | 10.832 | 75   | 30936    | 5.37  | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.095 | 105  | 147286   | 5.03  | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 11.475 | 105  | 152589   | 5.07  | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 11.751 | 146  | 87495    | 5.15  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.844 | 146  | 88915    | 5.16  | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 12.221 | 146  | 86411    | 5.24  | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 13.005 | 75   | 7181     | 5.12  | ug/L   | 95       |
| 69) 1,3,5-Trichlorobenzene    | 13.227 | 180  | 70999    | 5.10  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.847 | 180  | 58879    | 5.11  | ug/L   | 99       |
| 71) Naphthalene               | 14.095 | 128  | 112252   | 5.77  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.336 | 180  | 57948    | 5.48  | ug/L   | 98       |

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

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