

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042621\  
 Data File : VU043340.D  
 Acq On : 26 Apr 2021 21:01  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005148

Quant Time: Apr 26 23:45:34 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR041521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Apr 26 23:40:31 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.256  | 114   | 112006   | 5.00     | ug/L  | # 0.00   |
| 28) Chlorobenzene-d5          | 9.423  | 117   | 112511   | 5.00     | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.819 | 152   | 59597    | 5.00     | ug/L  | 0.00     |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.604  | 65    | 28325    | 4.97     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 99.40%   |
| 7) Chloroethane-d5            | 1.919  | 69    | 26589    | 4.96     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 99.20%   |
| 11) 1,1-Dichloroethene-d2     | 2.575  | 65    | 18151    | 5.51     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 110.20%  |
| 20) 2-Butanone-d5             | 4.645  | 46    | 151971   | 60.83    | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 121.66%  |
| 24) Chloroform-d              | 5.073  | 84    | 80240    | 5.54     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 110.80%  |
| 26) 1,2-Dichloroethane-d4     | 5.713  | 65    | 49198    | 5.02     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 100.40%  |
| 32) Benzene-d6                | 5.735  | 84    | 137040   | 5.23     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 104.60%  |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67    | 46351    | 5.33     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 106.60%  |
| 41) Toluene-d8                | 7.906  | 98    | 129807   | 4.77     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 95.40%   |
| 43) trans-1,3-Dichloroprop... | 8.185  | 79    | 14511    | 3.78     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 75.60%   |
| 46) 2-Hexanone-d5             | 8.642  | 63    | 93810    | 49.03    | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 98.06%   |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764 | 84    | 41868    | 5.48     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 109.60%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.198 | 152   | 48751    | 4.77     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 95.40%   |
| Target Compounds              |        |       |          |          |       |          |
|                               |        |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.388  | 85    | 41339    | 5.76     | ug/L  | 97       |
| 3) Chloromethane              | 1.523  | 50    | 36456    | 5.16     | ug/L  | 95       |
| 5) Vinyl chloride             | 1.607  | 62    | 35967    | 4.89     | ug/L  | 97       |
| 6) Bromomethane               | 1.864  | 94    | 19332    | 4.40     | ug/L  | 95       |
| 8) Chloroethane               | 1.941  | 64    | 23450    | 4.42     | ug/L  | 99       |
| 9) Trichlorofluoromethane     | 2.144  | 101   | 66030    | 4.82     | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.588  | 101   | 37509    | 5.07     | ug/L  | 94       |
| 12) 1,1-Dichloroethene        | 2.588  | 96    | 33517    | 5.38     | ug/L  | 79       |
| 13) Acetone                   | 2.662  | 43    | 114050   | 62.13    | ug/L  | # 64     |
| 14) Carbon disulfide          | 2.803  | 76    | 82420    | 5.19     | ug/L  | 99       |
| 15) Methyl Acetate            | 2.964  | 43    | 25725    | 7.45     | ug/L  | # 82     |
| 16) Methylene chloride        | 3.054  | 84    | 51031    | 6.33     | ug/L  | 81       |
| 17) Methyl tert-butyl Ether   | 3.372  | 73    | 102318   | 5.03     | ug/L  | # 92     |
| 18) trans-1,2-Dichloroethene  | 3.363  | 96    | 35173    | 5.30     | ug/L  | 86       |
| 19) 1,1-Dichloroethane        | 3.880  | 63    | 82504    | 5.71     | ug/L  | 97       |
| 21) 2-Butanone                | 4.726  | 43    | 185048   | 61.08    | ug/L  | 82       |
| 22) cis-1,2-Dichloroethene    | 4.678  | 96    | 40494    | 5.15     | ug/L  | 86       |
| 23) Bromochloromethane        | 4.983  | 128   | 20672    | 5.77     | ug/L  | # 74     |
| 25) Chloroform                | 5.099  | 83    | 85525    | 5.55     | ug/L  | 99       |

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 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD005148

Quant Time: Apr 26 23:45:34 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR041521WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Apr 26 23:40:31 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.803  | 62   | 62437    | 5.52  | ug/L # | 94       |
| 29) 1,1,1-Trichloroethane     | 5.327  | 97   | 72010    | 5.18  | ug/L # | 92       |
| 30) Cyclohexane               | 5.398  | 56   | 56298    | 4.73  | ug/L   | 86       |
| 31) Carbon tetrachloride      | 5.536  | 117  | 60210    | 5.20  | ug/L   | 100      |
| 33) Benzene                   | 5.784  | 78   | 158926   | 5.28  | ug/L   | 100      |
| 34) Trichloroethene           | 6.552  | 95   | 40208    | 4.85  | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.771  | 83   | 47799    | 4.17  | ug/L # | 87       |
| 37) 1,2-Dichloropropane       | 6.800  | 63   | 46696    | 5.51  | ug/L   | 98       |
| 38) Bromodichloromethane      | 7.112  | 83   | 62434    | 5.49  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 7.613  | 75   | 49734    | 4.02  | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 7.800  | 43   | 437804   | 57.78 | ug/L # | 82       |
| 42) Toluene                   | 7.976  | 91   | 172647   | 5.13  | ug/L   | 95       |
| 44) trans-1,3-Dichloropropene | 8.218  | 75   | 45726    | 3.92  | ug/L   | 94       |
| 45) 1,1,2-Trichloroethane     | 8.407  | 97   | 34924    | 5.52  | ug/L   | 94       |
| 47) Tetrachloroethene         | 8.562  | 164  | 31302    | 4.76  | ug/L   | 89       |
| 48) 2-Hexanone                | 8.694  | 43   | 341242   | 61.20 | ug/L # | 81       |
| 49) Dibromochloromethane      | 8.819  | 129  | 42775    | 5.36  | ug/L   | 91       |
| 50) 1,2-Dibromoethane         | 8.931  | 107  | 33328    | 5.29  | ug/L   | 96       |
| 51) Chlorobenzene             | 9.452  | 112  | 107535   | 5.02  | ug/L   | 94       |
| 52) Ethylbenzene              | 9.578  | 91   | 180904   | 4.70  | ug/L   | 97       |
| 53) m,p-Xylene                | 9.700  | 106  | 65042    | 4.62  | ug/L   | 86       |
| 54) o-Xylene                  | 10.108 | 106  | 63683    | 4.57  | ug/L   | 90       |
| 55) Styrene                   | 10.121 | 104  | 117264   | 4.91  | ug/L   | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 10.790 | 83   | 46631    | 5.60  | ug/L   | 99       |
| 59) Bromoform                 | 10.298 | 173  | 25980    | 5.33  | ug/L   | 99       |
| 60) Isopropylbenzene          | 10.491 | 105  | 178520   | 4.67  | ug/L   | 96       |
| 61) 1,2,3-Trichloropropane    | 10.828 | 75   | 34822    | 5.66  | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 11.095 | 105  | 138357   | 4.42  | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 11.475 | 105  | 140130   | 4.36  | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 11.751 | 146  | 88290    | 4.86  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.841 | 146  | 89313    | 4.85  | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 12.221 | 146  | 88056    | 4.99  | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 13.005 | 75   | 8118     | 5.42  | ug/L   | 95       |
| 69) 1,3,5-Trichlorobenzene    | 13.227 | 180  | 64892    | 4.36  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.848 | 180  | 54818    | 4.45  | ug/L   | 98       |
| 71) Naphthalene               | 14.092 | 128  | 107385   | 5.16  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.336 | 180  | 57146    | 5.06  | ug/L   | 98       |

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

