

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU022924\  
 Data File : VU057970.D  
 Acq On : 29 Feb 2024 12:15  
 Operator : MD/SY  
 Sample : VSTDICV005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VICV040

Quant Time: Mar 01 05:23:03 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR022924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Mar 01 05:18:22 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.242  | 114   | 156055   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.412  | 117   | 146065   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.807 | 152   | 73303    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 55588    | 4.951    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 99.000%  |
| 7) Chloroethane-d5            | 1.907  | 69    | 45757    | 4.958    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 99.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.560  | 65    | 24260    | 4.993    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 99.800%  |
| 20) 2-Butanone-d5             | 4.612  | 46    | 101596   | 54.917   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 109.840% |
| 24) Chloroform-d              | 5.052  | 84    | 104626   | 4.927    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 98.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.695  | 65    | 48603    | 5.051    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 101.000% |
| 32) Benzene-d6                | 5.721  | 84    | 211145   | 4.960    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 99.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67    | 64894    | 5.015    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 100.200% |
| 41) Toluene-d8                | 7.891  | 98    | 195522   | 5.070    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 101.400% |
| 43) trans-1,3-Dichloroprop... | 8.174  | 79    | 22913    | 5.149    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 103.000% |
| 46) 2-Hexanone-d5             | 8.627  | 63    | 82556    | 55.257   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 110.520% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.750 | 84    | 41066    | 5.175    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 103.600% |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 62663    | 5.191    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 103.800% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.380  | 85    | 48800    | 5.161    | ug/L   | 99       |
| 3) Chloromethane              | 1.515  | 50    | 55122    | 4.986    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.599  | 62    | 59984    | 5.044    | ug/L   | 96       |
| 6) Bromomethane               | 1.853  | 94    | 32685    | 5.218    | ug/L   | 100      |
| 8) Chloroethane               | 1.927  | 64    | 37595    | 5.020    | ug/L   | 95       |
| 9) Trichlorofluoromethane     | 2.132  | 101   | 84443    | 4.984    | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.573  | 101   | 53559    | 5.056    | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 47527    | 5.048    | ug/L   | 98       |
| 13) Acetone                   | 2.615  | 43    | 77806    | 56.514   | ug/L   | 99       |
| 14) Carbon disulfide          | 2.788  | 76    | 147069   | 5.051    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.943  | 43    | 17359    | 5.682    | ug/L   | 95       |
| 16) Methylene chloride        | 3.036  | 84    | 56362    | 4.925    | ug/L   | 95       |
| 17) Methyl tert-butyl Ether   | 3.351  | 73    | 115050   | 5.167    | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.345  | 96    | 51447    | 5.016    | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.859  | 63    | 103864   | 5.077    | ug/L   | 99       |
| 21) 2-Butanone                | 4.692  | 43    | 115519   | 53.250   | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 4.657  | 96    | 57413    | 5.089    | ug/L   | 98       |
| 23) Bromochloromethane        | 4.968  | 128   | 21667    | 5.172    | ug/L   | 96       |
| 25) Chloroform                | 5.078  | 83    | 104882   | 5.021    | ug/L   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU022924\  
 Data File : VU057970.D  
 Acq On : 29 Feb 2024 12:15  
 Operator : MD/SY  
 Sample : VSTDICV005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VICV040

Quant Time: Mar 01 05:23:03 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR022924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Mar 01 05:18:22 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.785  | 62   | 60440    | 5.227  | ug/L  | 100      |
| 29) 1,1,1-Trichloroethane     | 5.309  | 97   | 88012    | 5.063  | ug/L  | 99       |
| 30) Cyclohexane               | 5.380  | 56   | 88630    | 5.049  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 5.518  | 117  | 77240    | 5.113  | ug/L  | 99       |
| 33) Benzene                   | 5.766  | 78   | 228022   | 5.087  | ug/L  | 100      |
| 34) Trichloroethene           | 6.537  | 95   | 60864    | 5.161  | ug/L  | 96       |
| 35) Methylcyclohexane         | 6.756  | 83   | 94495    | 5.227  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.785  | 63   | 59819    | 5.176  | ug/L  | 99       |
| 38) Bromodichloromethane      | 7.097  | 83   | 70254    | 5.010  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.602  | 75   | 82871    | 5.204  | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 7.782  | 43   | 294620   | 55.413 | ug/L  | 99       |
| 42) Toluene                   | 7.965  | 91   | 239022   | 5.121  | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 8.206  | 75   | 66241    | 5.220  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 8.393  | 97   | 34521    | 5.037  | ug/L  | 98       |
| 47) Tetrachloroethene         | 8.550  | 164  | 40538    | 4.955  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.676  | 43   | 229154   | 58.771 | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.804  | 129  | 42361    | 5.222  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.920  | 107  | 32853    | 5.402  | ug/L  | 94       |
| 51) Chlorobenzene             | 9.441  | 112  | 151056   | 5.160  | ug/L  | 97       |
| 52) Ethylbenzene              | 9.566  | 91   | 268863   | 5.147  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.688  | 106  | 97971    | 5.250  | ug/L  | 97       |
| 54) o-Xylene                  | 10.097 | 106  | 95832    | 5.152  | ug/L  | 98       |
| 55) Styrene                   | 10.110 | 104  | 157803   | 5.405  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 42490    | 5.263  | ug/L  | 97       |
| 59) Bromoform                 | 10.287 | 173  | 21825    | 5.338  | ug/L  | 100      |
| 60) Isopropylbenzene          | 10.479 | 105  | 252891   | 5.180  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.817 | 75   | 31136    | 5.185  | ug/L  | 97       |
| 62) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 215624   | 5.237  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 218325   | 5.372  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.740 | 146  | 116787   | 5.263  | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.833 | 146  | 114799   | 5.285  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.206 | 146  | 103857   | 5.361  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.991 | 75   | 6850     | 5.750  | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 13.216 | 180  | 86436    | 5.415  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.836 | 180  | 72943    | 6.082  | ug/L  | 98       |
| 71) Naphthalene               | 14.084 | 128  | 110306   | 6.735  | ug/L  | 98       |
| 72) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 59895    | 6.322  | ug/L  | 98       |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU022924\  
Data File : VU057970.D  
Acq On : 29 Feb 2024 12:15  
Operator : MD/SY  
Sample : VSTDICV005  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VICV040

Quant Time: Mar 01 05:23:03 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR022924WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Mar 01 05:18:22 2024  
Response via : Initial Calibration

