

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW072524\  
 Data File : VW029742.D  
 Acq On : 25 Jul 2024 17:59  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.86g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jul 26 01:30:01 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM072424SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Jul 25 01:35:38 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 229480   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 211126   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 111163   | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 78818    | 24.193   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 96.760%   |
| 7) Chloroethane-d5            | 2.899  | 69    | 63786    | 27.424   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 109.680%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 38265    | 25.731   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 102.920%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 51331    | 57.486   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 114.980%  |
| 24) Chloroform-d              | 7.654  | 84    | 176036   | 29.633   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 118.520%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 101080   | 29.874   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 119.480%  |
| 32) Benzene-d6                | 8.276  | 84    | 340388   | 29.839   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 119.360%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 108825   | 29.877   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 119.520%  |
| 41) Toluene-d8                | 10.325 | 98    | 307942   | 30.360   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 121.440%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 44609    | 30.266   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 121.080%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 35761    | 59.541   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 119.080%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 82515    | 30.509   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 122.040%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 98070    | 28.412   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 113.640%  |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 80607    | 26.059   | ug/L   | 96        |
| 3) Chloromethane              | 2.223  | 50    | 101771   | 26.588   | ug/L   | 99        |
| 5) Vinyl chloride             | 2.375  | 62    | 115881   | 27.019   | ug/L   | 99        |
| 6) Bromomethane               | 2.789  | 94    | 64238    | 27.277   | ug/L   | 96        |
| 8) Chloroethane               | 2.936  | 64    | 66241    | 27.150   | ug/L   | 97        |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 91202    | 26.622   | ug/L   | 97        |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101   | 84445    | 24.750   | ug/L # | 73        |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 81605    | 26.030   | ug/L   | 95        |
| 13) Acetone                   | 4.119  | 43    | 59645    | 53.749   | ug/L   | 99        |
| 14) Carbon disulfide          | 4.393  | 76    | 281708   | 27.002   | ug/L   | 98        |
| 15) Methyl Acetate            | 4.673  | 43    | 47910    | 25.921   | ug/L   | 99        |
| 16) Methylene chloride        | 4.923  | 84    | 123095   | 25.659   | ug/L   | 99        |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 91092    | 26.964   | ug/L   | 97        |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 153427   | 27.556   | ug/L   | 97        |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 188188   | 26.412   | ug/L   | 98        |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 97417    | 26.584   | ug/L   | 94        |
| 22) 2-Butanone                | 7.167  | 43    | 72911    | 51.279   | ug/L   | 100       |
| 23) Bromochloromethane        | 7.520  | 128   | 41237    | 26.507   | ug/L   | 92        |
| 25) Chloroform                | 7.679  | 83    | 177816   | 26.488   | ug/L   | 100       |

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Quant Time: Jul 26 01:30:01 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM072424SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Jul 25 01:35:38 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 132305   | 27.044 | ug/L   | 97       |
| 29) Cyclohexane               | 7.959  | 56   | 164023   | 27.338 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 7.868  | 97   | 142515   | 26.656 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 128267   | 26.625 | ug/L   | 100      |
| 33) Benzene                   | 8.325  | 78   | 392821   | 27.155 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 100828   | 26.588 | ug/L   | 95       |
| 35) Methylcyclohexane         | 9.337  | 83   | 172920   | 27.365 | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 107957   | 27.233 | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 127384   | 26.984 | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 158808   | 27.508 | ug/L   | 93       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 139020   | 55.211 | ug/L   | 100      |
| 42) Toluene                   | 10.386 | 91   | 409298   | 27.719 | ug/L   | 96       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 131373   | 27.411 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 71084    | 26.692 | ug/L   | 95       |
| 46) Tetrachloroethene         | 10.861 | 164  | 69566    | 25.239 | ug/L   | 96       |
| 48) 2-Hexanone                | 10.965 | 43   | 105561   | 55.975 | ug/L   | 97       |
| 49) Dibromochloromethane      | 11.123 | 129  | 74804    | 27.057 | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 65916    | 26.750 | ug/L   | 96       |
| 51) Chlorobenzene             | 11.654 | 112  | 247625   | 26.961 | ug/L   | 98       |
| 52) Ethylbenzene              | 11.727 | 91   | 467130   | 28.046 | ug/L   | 98       |
| 53) m,p-Xylene                | 11.837 | 106  | 169853   | 27.728 | ug/L   | 97       |
| 54) o-Xylene                  | 12.166 | 106  | 161423   | 28.616 | ug/L   | 94       |
| 55) Styrene                   | 12.178 | 104  | 276689   | 28.298 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 87481    | 26.763 | ug/L # | 99       |
| 59) Bromoform                 | 12.349 | 173  | 42937    | 25.670 | ug/L   | 99       |
| 60) Isopropylbenzene          | 12.459 | 105  | 454081   | 26.398 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 65715    | 24.306 | ug/L   | 100      |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 361967   | 28.310 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 361683   | 26.450 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 182591   | 24.879 | ug/L   | 94       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 187159   | 24.826 | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 13.861 | 146  | 167813   | 25.115 | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 14648    | 23.861 | ug/L   | 96       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 123854   | 24.666 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 107260   | 25.355 | ug/L   | 94       |
| 71) Naphthalene               | 15.360 | 128  | 207467   | 25.703 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 87422    | 22.832 | ug/L   | 96       |

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

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