

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW102924\  
 Data File : VW030823.D  
 Acq On : 29 Oct 2024 22:52  
 Operator : SY/MD  
 Sample : P4494-02MS  
 Misc : 4.90g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 A4F35MS

Quant Time: Oct 30 01:22:44 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100924SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Oct 30 01:14:06 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 371862   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 305948   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 127412   | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 47475    | 8.122    | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 32.480%   |
| 7) Chloroethane-d5            | 2.899  | 69    | 61394    | 13.876   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 55.520%   |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 21197    | 8.719    | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 34.880%#  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 51596    | 49.050   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 98.100%   |
| 24) Chloroform-d              | 7.648  | 84    | 211341   | 19.873   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 79.480%   |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 109458   | 19.794   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 79.160%   |
| 32) Benzene-d6                | 8.276  | 84    | 277971   | 15.654   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 62.600%   |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 112212   | 21.530   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 86.120%   |
| 41) Toluene-d8                | 10.319 | 98    | 192830   | 11.896   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 47.600%   |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 38362    | 17.578   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 70.320%   |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 40539    | 60.390   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 120.780%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 119995   | 31.350   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 125.400%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.849 | 152   | 87449    | 20.285   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 81.120%   |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 2.009  | 85    | 66387    | 13.973   | ug/L   | 99        |
| 3) Chloromethane              | 2.223  | 50    | 70486    | 12.765   | ug/L   | 100       |
| 5) Vinyl chloride             | 2.375  | 62    | 96877    | 14.266   | ug/L   | 92        |
| 6) Bromomethane               | 2.789  | 94    | 66326    | 14.839   | ug/L   | 95        |
| 8) Chloroethane               | 2.930  | 64    | 68578    | 16.520   | ug/L   | 97        |
| 9) Trichlorofluoromethane     | 3.271  | 101   | 91039    | 14.983   | ug/L   | 97        |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101   | 85008    | 15.550   | ug/L   | 99        |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 71038    | 14.239   | ug/L   | 90        |
| 13) Acetone                   | 4.119  | 43    | 26055    | 16.919   | ug/L   | 95        |
| 14) Carbon disulfide          | 4.393  | 76    | 148467   | 9.113    | ug/L   | 98        |
| 15) Methyl Acetate            | 4.673  | 43    | 29205    | 15.352   | ug/L   | 99        |
| 16) Methylene chloride        | 4.917  | 84    | 87496    | 15.564   | ug/L   | 94        |
| 17) trans-1,2-Dichloroethene  | 5.435  | 96    | 77904    | 14.471   | ug/L   | 97        |
| 18) Methyl tert-butyl Ether   | 5.423  | 73    | 137382   | 18.234   | ug/L   | 99        |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 175395   | 17.529   | ug/L   | 98        |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 93559    | 16.293   | ug/L   | 98        |
| 22) 2-Butanone                | 7.173  | 43    | 42213    | 25.429   | ug/L   | 97        |
| 23) Bromochloromethane        | 7.514  | 128   | 39909    | 15.887   | ug/L   | 90        |
| 25) Chloroform                | 7.673  | 83    | 186999   | 17.489   | ug/L   | 98        |

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 Quant Title : SFAM01.0  
 QLast Update : Wed Oct 30 01:14:06 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 115664   | 16.397 | ug/L  | 100      |
| 29) Cyclohexane               | 7.959  | 56   | 106009   | 14.234 | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 140121   | 17.253 | ug/L  | 100      |
| 31) Carbon tetrachloride      | 8.069  | 117  | 117330   | 16.175 | ug/L  | 98       |
| 33) Benzene                   | 8.325  | 78   | 348021   | 17.480 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 84563    | 15.267 | ug/L  | 96       |
| 35) Methylcyclohexane         | 9.337  | 83   | 112628   | 12.920 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 95518    | 19.209 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 126805   | 19.167 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 124800   | 16.639 | ug/L  | 95       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 92456    | 38.703 | ug/L  | 98       |
| 42) Toluene                   | 10.386 | 91   | 335932   | 15.816 | ug/L  | 96       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 105561   | 16.748 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 66638    | 18.543 | ug/L  | 94       |
| 46) Tetrachloroethene         | 10.861 | 164  | 50431    | 12.344 | ug/L  | 93       |
| 48) 2-Hexanone                | 10.965 | 43   | 62194    | 31.836 | ug/L  | 97       |
| 49) Dibromochloromethane      | 11.123 | 129  | 72571    | 18.098 | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 60247    | 17.966 | ug/L  | 98       |
| 51) Chlorobenzene             | 11.654 | 112  | 208591   | 15.255 | ug/L  | 99       |
| 52) Ethylbenzene              | 11.727 | 91   | 336032   | 13.864 | ug/L  | 99       |
| 53) m,p-Xylene                | 11.837 | 106  | 125267   | 13.796 | ug/L  | 98       |
| 54) o-Xylene                  | 12.166 | 106  | 128829   | 15.346 | ug/L  | 95       |
| 55) Styrene                   | 12.178 | 104  | 215705   | 15.031 | ug/L  | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 12.715 | 83   | 80458    | 19.853 | ug/L  | 95       |
| 59) Bromoform                 | 12.343 | 173  | 40489    | 22.618 | ug/L  | 100      |
| 60) Isopropylbenzene          | 12.459 | 105  | 311340   | 15.779 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 57183    | 23.064 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 242671   | 15.589 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 241740   | 15.861 | ug/L  | 97       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 134296   | 15.637 | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 139138   | 15.690 | ug/L  | 91       |
| 67) 1,2-Dichlorobenzene       | 13.861 | 146  | 126506   | 16.739 | ug/L  | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 12323    | 22.291 | ug/L  | 91       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 68366    | 12.071 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.123 | 180  | 52396    | 11.492 | ug/L  | 98       |
| 71) Naphthalene               | 15.360 | 128  | 117326   | 14.895 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.543 | 180  | 45355    | 11.475 | ug/L  | 96       |

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

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