

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW100824\  
 Data File : VW030464.D  
 Acq On : 08 Oct 2024 22:11  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025509

Quant Time: Oct 09 01:23:05 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092724SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Oct 09 01:13:46 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 92181    | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 89080    | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 48799    | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 12532    | 17.398   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 69.600%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 9910     | 18.908   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 75.640%  |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 65    | 10113    | 19.233   | ug/L   | 0.01     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 76.920%  |
| 21) 2-Butanone-d5             | 7.081  | 46    | 11527    | 39.793   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 79.580%  |
| 24) Chloroform-d              | 7.655  | 84    | 55574    | 22.441   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 89.760%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 29516    | 22.835   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 91.320%  |
| 32) Benzene-d6                | 8.276  | 84    | 104852   | 21.001   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 84.000%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 27664    | 18.423   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 73.680%  |
| 41) Toluene-d8                | 10.325 | 98    | 103629   | 22.636   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 90.560%  |
| 43) trans-1,3-Dichloroprop... | 10.581 | 79    | 13283    | 21.267   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 85.080%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 10968    | 44.232   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 88.460%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 26904    | 23.977   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 95.920%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.849 | 152   | 41657    | 25.711   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 102.840% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 17942    | 17.807   | ug/L   | 95       |
| 3) Chloromethane              | 2.223  | 50    | 10460    | 13.252   | ug/L   | 100      |
| 5) Vinyl chloride             | 2.375  | 62    | 14689    | 17.506   | ug/L   | 89       |
| 6) Bromomethane               | 2.790  | 94    | 11530    | 20.645   | ug/L   | 86       |
| 8) Chloroethane               | 2.942  | 64    | 8095     | 17.683   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.271  | 101   | 26032    | 24.083   | ug/L   | 95       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101   | 25863    | 24.016   | ug/L # | 75       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 24121    | 22.523   | ug/L   | 91       |
| 13) Acetone                   | 4.125  | 43    | 10916    | 35.524   | ug/L   | 97       |
| 14) Carbon disulfide          | 4.399  | 76    | 64741    | 18.179   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.673  | 43    | 8064     | 16.089   | ug/L # | 84       |
| 16) Methylene chloride        | 4.923  | 84    | 25111    | 17.699   | ug/L   | 87       |
| 17) trans-1,2-Dichloroethene  | 5.435  | 96    | 27235    | 21.907   | ug/L   | 90       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 42490    | 21.488   | ug/L # | 86       |
| 19) 1,1-Dichloroethane        | 6.222  | 63    | 44785    | 18.916   | ug/L   | 96       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 29614    | 21.560   | ug/L   | 88       |
| 22) 2-Butanone                | 7.173  | 43    | 12028    | 30.619   | ug/L   | 84       |
| 23) Bromochloromethane        | 7.520  | 128   | 14354    | 23.937   | ug/L # | 61       |
| 25) Chloroform                | 7.685  | 83    | 51223    | 20.862   | ug/L   | 99       |

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 ALS Vial : 29 Sample Multiplier: 1

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 MSVOA\_W  
 ClientSampleId :  
 VSTD025509

Quant Time: Oct 09 01:23:05 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092724SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Oct 09 01:13:46 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 33115    | 20.336 | ug/L   | 96       |
| 29) Cyclohexane               | 7.959  | 56   | 35817    | 18.240 | ug/L # | 83       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 47610    | 23.072 | ug/L   | 96       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 46192    | 25.046 | ug/L   | 95       |
| 33) Benzene                   | 8.325  | 78   | 108546   | 20.006 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 30861    | 21.383 | ug/L   | 94       |
| 35) Methylcyclohexane         | 9.337  | 83   | 48481    | 21.889 | ug/L   | 90       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 25162    | 17.577 | ug/L # | 95       |
| 38) Bromodichloromethane      | 9.642  | 83   | 36984    | 20.577 | ug/L # | 98       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 42685    | 19.446 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 23132    | 31.416 | ug/L # | 88       |
| 42) Toluene                   | 10.386 | 91   | 124907   | 21.504 | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 36611    | 20.129 | ug/L   | 94       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 21444    | 21.256 | ug/L   | 97       |
| 46) Tetrachloroethene         | 10.861 | 164  | 28978    | 26.845 | ug/L   | 94       |
| 48) 2-Hexanone                | 10.971 | 43   | 18246    | 33.652 | ug/L # | 92       |
| 49) Dibromochloromethane      | 11.130 | 129  | 27042    | 23.820 | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 20482    | 21.457 | ug/L # | 98       |
| 51) Chlorobenzene             | 11.654 | 112  | 84178    | 22.426 | ug/L   | 94       |
| 52) Ethylbenzene              | 11.727 | 91   | 145132   | 22.056 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.837 | 106  | 57808    | 23.533 | ug/L   | 91       |
| 54) o-Xylene                  | 12.166 | 106  | 52817    | 22.590 | ug/L   | 98       |
| 55) Styrene                   | 12.178 | 104  | 92832    | 23.275 | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.715 | 83   | 24156    | 20.445 | ug/L # | 97       |
| 59) Bromoform                 | 12.349 | 173  | 17824    | 25.212 | ug/L # | 98       |
| 60) Isopropylbenzene          | 12.465 | 105  | 146133   | 21.098 | ug/L   | 97       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 17457    | 18.818 | ug/L   | 93       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 125861   | 22.465 | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 124240   | 22.445 | ug/L   | 96       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 71365    | 23.055 | ug/L   | 88       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 71111    | 22.489 | ug/L   | 94       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 65846    | 23.861 | ug/L   | 94       |
| 68) 1,2-Dibromo-3-chloropr... | 14.483 | 75   | 4023     | 18.927 | ug/L # | 72       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 48841    | 22.861 | ug/L   | 94       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 42336    | 23.934 | ug/L   | 97       |
| 71) Naphthalene               | 15.360 | 128  | 78355    | 24.218 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 39486    | 25.503 | ug/L   | 98       |

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

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