

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW111522\  
 Data File : VW025050.D  
 Acq On : 15 Nov 2022 09:14  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025497

Quant Time: Nov 16 00:08:41 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM102622SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Mon Nov 14 23:45:04 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.848  | 114   | 286984   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 260460   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 136716   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.355  | 65    | 59631    | 18.512   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 74.040%  |
| 7) Chloroethane-d5            | 2.892  | 69    | 43525    | 23.066   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 92.280%  |
| 11) 1,1-Dichloroethene-d2     | 4.025  | 63    | 187166   | 23.326   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 93.320%  |
| 21) 2-Butanone-d5             | 7.080  | 46    | 46249    | 42.541   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 85.080%  |
| 24) Chloroform-d              | 7.653  | 84    | 225388   | 25.879   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 103.520% |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 118226   | 24.250   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 97.000%  |
| 32) Benzene-d6                | 8.275  | 84    | 418181   | 25.049   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 100.200% |
| 36) 1,2-Dichloropropane-d6    | 9.275  | 67    | 118541   | 24.234   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 96.920%  |
| 41) Toluene-d8                | 10.323 | 98    | 383070   | 24.647   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 98.600%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 51252    | 23.629   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 94.520%  |
| 47) 2-Hexanone-d5             | 10.927 | 63    | 36977    | 43.761   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 87.520%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.689 | 84    | 90963    | 23.289   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 93.160%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 128795   | 24.514   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 98.040%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.008  | 85    | 17887    | 18.687   | ug/L   | 98       |
| 3) Chloromethane              | 2.221  | 50    | 50355    | 21.872   | ug/L   | 98       |
| 5) Vinyl chloride             | 2.367  | 62    | 76166    | 23.943   | ug/L   | 98       |
| 6) Bromomethane               | 2.782  | 94    | 37722    | 23.762   | ug/L   | 99       |
| 8) Chloroethane               | 2.928  | 64    | 33805    | 25.475   | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 3.263  | 101   | 73882    | 27.686   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.068  | 101   | 99017    | 26.202   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 4.044  | 96    | 93300    | 26.208   | ug/L   | 94       |
| 13) Acetone                   | 4.129  | 43    | 37669    | 48.774   | ug/L   | 98       |
| 14) Carbon disulfide          | 4.391  | 76    | 248611   | 23.907   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.672  | 43    | 30787    | 20.022   | ug/L   | 100      |
| 16) Methylene chloride        | 4.922  | 84    | 96346    | 18.908   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 5.434  | 96    | 96418    | 25.294   | ug/L   | 95       |
| 18) Methyl tert-butyl Ether   | 5.434  | 73    | 152159   | 23.796   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.226  | 63    | 181366   | 25.699   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 107666   | 25.914   | ug/L   | 98       |
| 22) 2-Butanone                | 7.171  | 43    | 44785    | 38.704   | ug/L   | 97       |
| 23) Bromochloromethane        | 7.519  | 128   | 46058    | 25.571   | ug/L   | 96       |
| 25) Chloroform                | 7.677  | 83    | 199586   | 26.796   | ug/L   | 97       |

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 ALS Vial : 1 Sample Multiplier: 1

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 MSVOA\_W  
 ClientSampleId :  
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Quant Time: Nov 16 00:08:41 2022  
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 Quant Title : SFAM01.0  
 QLast Update : Mon Nov 14 23:45:04 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 127850   | 25.306 | ug/L   | 99       |
| 29) Cyclohexane               | 7.958  | 56   | 155311   | 25.253 | ug/L   | 97       |
| 30) 1,1,1-Trichloroethane     | 7.878  | 97   | 178782   | 28.049 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 8.074  | 117  | 167128   | 29.344 | ug/L   | 97       |
| 33) Benzene                   | 8.323  | 78   | 409210   | 26.090 | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 110252   | 26.553 | ug/L   | 98       |
| 35) Methylcyclohexane         | 9.335  | 83   | 187175   | 26.530 | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 9.372  | 63   | 96499    | 25.349 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.646  | 83   | 143797   | 27.065 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 158838   | 26.393 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 94095    | 42.120 | ug/L   | 99       |
| 42) Toluene                   | 10.390 | 91   | 446183   | 26.795 | ug/L   | 94       |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 137518   | 25.703 | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 71798    | 24.979 | ug/L   | 97       |
| 46) Tetrachloroethene         | 10.866 | 164  | 82706    | 27.853 | ug/L   | 94       |
| 48) 2-Hexanone                | 10.969 | 43   | 68500    | 44.338 | ug/L   | 98       |
| 49) Dibromochloromethane      | 11.128 | 129  | 91556    | 26.131 | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 11.238 | 107  | 66721    | 24.544 | ug/L   | 97       |
| 51) Chlorobenzene             | 11.658 | 112  | 288197   | 26.701 | ug/L   | 96       |
| 52) Ethylbenzene              | 11.731 | 91   | 515037   | 26.795 | ug/L   | 97       |
| 53) m,p-Xylene                | 11.835 | 106  | 196967   | 26.473 | ug/L   | 96       |
| 54) o-Xylene                  | 12.164 | 106  | 192230   | 27.386 | ug/L   | 94       |
| 55) Styrene                   | 12.176 | 104  | 326210   | 26.757 | ug/L   | 90       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 81299    | 23.578 | ug/L   | 96       |
| 59) Bromoform                 | 12.347 | 173  | 47677    | 24.656 | ug/L # | 99       |
| 60) Isopropylbenzene          | 12.463 | 105  | 540852   | 26.313 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 59574    | 21.689 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 474219   | 26.578 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 473952   | 27.088 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 227084   | 26.489 | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 222906   | 26.059 | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 200677   | 26.035 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 14517    | 22.871 | ug/L   | 93       |
| 69) 1,3,5-Trichlorobenzene    | 14.621 | 180  | 157667   | 27.768 | ug/L   | 100      |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 123756   | 28.042 | ug/L   | 96       |
| 71) Naphthalene               | 15.359 | 128  | 228182   | 24.509 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 98604    | 25.642 | ug/L   | 94       |

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

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