

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042822\  
 Data File : VW022657.D  
 Acq On : 28 Apr 2022 11:00  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025503

Quant Time: Apr 29 01:04:21 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040722SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Apr 28 01:10:03 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 318073   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 307297   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 180690   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.355  | 65    | 129853   | 18.467   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 73.880%  |
| 7) Chloroethane-d5            | 2.885  | 69    | 96076    | 21.801   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 87.200%  |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 212392   | 23.288   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 93.160%  |
| 21) 2-Butanone-d5             | 7.074  | 46    | 65774    | 53.578   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 107.160% |
| 24) Chloroform-d              | 7.647  | 84    | 249308   | 25.077   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 100.320% |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 131016   | 23.064   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 92.240%  |
| 32) Benzene-d6                | 8.275  | 84    | 467096   | 24.879   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 99.520%  |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 132692   | 24.423   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 97.680%  |
| 41) Toluene-d8                | 10.323 | 98    | 442456   | 24.063   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 96.240%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 60143    | 23.455   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 93.840%  |
| 47) 2-Hexanone-d5             | 10.920 | 63    | 54171    | 53.589   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 107.180% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 127387   | 27.574   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 110.280% |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 160761   | 25.119   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 100.480% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.007  | 85    | 31264    | 20.051   | ug/L   | 96       |
| 3) Chloromethane              | 2.221  | 50    | 81230    | 20.895   | ug/L   | 98       |
| 5) Vinyl chloride             | 2.361  | 62    | 169448   | 20.890   | ug/L   | 97       |
| 6) Bromomethane               | 2.782  | 94    | 97159    | 19.704   | ug/L   | 97       |
| 8) Chloroethane               | 2.922  | 64    | 84407    | 23.768   | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 3.257  | 101   | 92302    | 30.821   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.062  | 101   | 129607   | 27.179   | ug/L   | 93       |
| 12) 1,1-Dichloroethene        | 4.038  | 96    | 112186   | 26.195   | ug/L   | 95       |
| 13) Acetone                   | 4.123  | 43    | 49366    | 59.061   | ug/L   | 90       |
| 14) Carbon disulfide          | 4.385  | 76    | 272431   | 19.337   | ug/L   | 98       |
| 15) Methyl Acetate            | 4.672  | 43    | 52730    | 25.139   | ug/L   | 93       |
| 16) Methylene chloride        | 4.915  | 84    | 129277   | 27.011   | ug/L   | 88       |
| 17) trans-1,2-Dichloroethene  | 5.428  | 96    | 123576   | 24.632   | ug/L   | 93       |
| 18) Methyl tert-butyl Ether   | 5.421  | 73    | 219926   | 26.841   | ug/L   | 95       |
| 19) 1,1-Dichloroethane        | 6.220  | 63    | 225566   | 24.641   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 142348   | 26.865   | ug/L # | 88       |
| 22) 2-Butanone                | 7.165  | 43    | 71527    | 56.659   | ug/L   | 95       |
| 23) Bromochloromethane        | 7.513  | 128   | 65379    | 28.670   | ug/L   | 85       |
| 25) Chloroform                | 7.677  | 83    | 252627   | 26.202   | ug/L   | 100      |

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 ClientSampleId :  
 VSTD025503

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 Quant Title : SFAM01.0  
 QLast Update : Thu Apr 28 01:10:03 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.396  | 62   | 162886   | 24.037 | ug/L # | 94       |
| 29) Cyclohexane               | 7.951  | 56   | 187250   | 21.290 | ug/L   | 94       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 223857   | 26.261 | ug/L   | 96       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 204884   | 26.779 | ug/L   | 100      |
| 33) Benzene                   | 8.323  | 78   | 523133   | 25.074 | ug/L   | 100      |
| 34) Trichloroethene           | 9.091  | 95   | 144445   | 25.857 | ug/L   | 98       |
| 35) Methylcyclohexane         | 9.335  | 83   | 233416   | 23.289 | ug/L   | 94       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 130047   | 26.019 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.640  | 83   | 189063   | 26.304 | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 209200   | 26.377 | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 167022   | 54.756 | ug/L # | 95       |
| 42) Toluene                   | 10.384 | 91   | 605354   | 25.321 | ug/L   | 94       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 186638   | 26.281 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 110669   | 29.012 | ug/L   | 98       |
| 46) Tetrachloroethene         | 10.859 | 164  | 106394   | 25.910 | ug/L   | 96       |
| 48) 2-Hexanone                | 10.963 | 43   | 113946   | 52.951 | ug/L   | 95       |
| 49) Dibromochloromethane      | 11.128 | 129  | 138438   | 30.430 | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 108857   | 28.900 | ug/L   | 99       |
| 51) Chlorobenzene             | 11.658 | 112  | 403150   | 27.595 | ug/L   | 95       |
| 52) Ethylbenzene              | 11.725 | 91   | 687212   | 25.645 | ug/L   | 95       |
| 53) m,p-Xylene                | 11.835 | 106  | 274171   | 26.908 | ug/L   | 89       |
| 54) o-Xylene                  | 12.164 | 106  | 262642   | 26.974 | ug/L   | 92       |
| 55) Styrene                   | 12.176 | 104  | 449183   | 27.002 | ug/L   | 93       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 136926   | 29.245 | ug/L   | 98       |
| 59) Bromoform                 | 12.347 | 173  | 74650    | 27.803 | ug/L   | 100      |
| 60) Isopropylbenzene          | 12.463 | 105  | 741611   | 24.708 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 98837    | 25.714 | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 413187   | 25.031 | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 620722   | 24.728 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 13.493 | 146  | 326437   | 26.797 | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 13.572 | 146  | 319852   | 26.327 | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 291974   | 26.801 | ug/L   | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 21768    | 24.419 | ug/L # | 78       |
| 69) 1,3,5-Trichlorobenzene    | 14.621 | 180  | 217621   | 27.381 | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 177586   | 26.604 | ug/L   | 94       |
| 71) Naphthalene               | 15.365 | 128  | 384688   | 27.324 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 151006   | 26.466 | ug/L   | 96       |

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

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