

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW101922\  
 Data File : VW024956.D  
 Acq On : 19 Oct 2022 22:47  
 Operator : SY/VA  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025592

Quant Time: Oct 20 02:05:01 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM101222SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Oct 20 01:56:31 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 495701   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 456604   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 210169   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.355  | 65    | 112924   | 19.309   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 77.240%  |
| 7) Chloroethane-d5            | 2.885  | 69    | 66773    | 19.501   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 78.000%  |
| 11) 1,1-Dichloroethene-d2     | 4.025  | 63    | 266914   | 20.992   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 83.960%  |
| 21) 2-Butanone-d5             | 7.080  | 46    | 89356    | 48.223   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 96.440%  |
| 24) Chloroform-d              | 7.647  | 84    | 319311   | 22.838   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 91.360%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 161470   | 22.067   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 88.280%  |
| 32) Benzene-d6                | 8.275  | 84    | 642209   | 22.429   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 89.720%  |
| 36) 1,2-Dichloropropane-d6    | 9.275  | 67    | 199968   | 22.770   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 91.080%  |
| 41) Toluene-d8                | 10.323 | 98    | 569878   | 22.175   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 88.720%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 74974    | 22.510   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 90.040%  |
| 47) 2-Hexanone-d5             | 10.921 | 63    | 71415    | 48.504   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 97.000%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.689 | 84    | 157107   | 22.940   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 91.760%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.847 | 152   | 178388   | 23.226   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 92.920%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.008  | 85    | 41535    | 18.728   | ug/L   | 98       |
| 3) Chloromethane              | 2.221  | 50    | 125476   | 24.292   | ug/L   | 100      |
| 5) Vinyl chloride             | 2.361  | 62    | 173984   | 24.689   | ug/L   | 98       |
| 6) Bromomethane               | 2.776  | 94    | 79992    | 23.371   | ug/L   | 89       |
| 8) Chloroethane               | 2.922  | 64    | 69227    | 23.576   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 3.257  | 101   | 89460    | 25.664   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.062  | 101   | 164971   | 23.244   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 4.044  | 96    | 161238   | 24.009   | ug/L   | 85       |
| 13) Acetone                   | 4.123  | 43    | 57923    | 44.671   | ug/L   | 97       |
| 14) Carbon disulfide          | 4.385  | 76    | 514847   | 23.470   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.672  | 43    | 78324    | 24.820   | ug/L   | 99       |
| 16) Methylene chloride        | 4.916  | 84    | 195876   | 22.380   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 5.422  | 96    | 185135   | 25.326   | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 5.428  | 73    | 289518   | 26.651   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.220  | 63    | 345913   | 25.577   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 205431   | 26.002   | ug/L   | 97       |
| 22) 2-Butanone                | 7.171  | 43    | 102928   | 47.583   | ug/L   | 100      |
| 23) Bromochloromethane        | 7.513  | 128   | 83874    | 25.955   | ug/L   | 98       |
| 25) Chloroform                | 7.671  | 83    | 339826   | 25.599   | ug/L   | 99       |

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 Sample : VSTDCCC025EC  
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 ALS Vial : 1 Sample Multiplier: 1

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 MSVOA\_W  
 ClientSampleId :  
 VSTD025592

Quant Time: Oct 20 02:05:01 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM101222SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Oct 20 01:56:31 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.397  | 62   | 213770   | 24.903 | ug/L   | 100      |
| 29) Cyclohexane               | 7.952  | 56   | 319719   | 24.110 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 259018   | 24.666 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 223304   | 24.220 | ug/L   | 100      |
| 33) Benzene                   | 8.323  | 78   | 786870   | 25.331 | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 191977   | 24.540 | ug/L   | 97       |
| 35) Methylcyclohexane         | 9.335  | 83   | 336528   | 23.902 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 196764   | 25.417 | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.646  | 83   | 238986   | 24.985 | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 284943   | 25.464 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 226752   | 49.556 | ug/L   | 100      |
| 42) Toluene                   | 10.384 | 91   | 796013   | 24.993 | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 234255   | 25.215 | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 136040   | 25.158 | ug/L   | 99       |
| 46) Tetrachloroethene         | 10.860 | 164  | 130806   | 24.591 | ug/L   | 93       |
| 48) 2-Hexanone                | 10.969 | 43   | 153150   | 49.366 | ug/L   | 96       |
| 49) Dibromochloromethane      | 11.128 | 129  | 148538   | 24.814 | ug/L   | 95       |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 128064   | 25.140 | ug/L # | 99       |
| 51) Chlorobenzene             | 11.652 | 112  | 493865   | 24.672 | ug/L   | 99       |
| 52) Ethylbenzene              | 11.725 | 91   | 906174   | 25.408 | ug/L   | 98       |
| 53) m,p-Xylene                | 11.835 | 106  | 342316   | 25.263 | ug/L   | 97       |
| 54) o-Xylene                  | 12.164 | 106  | 327041   | 25.349 | ug/L   | 98       |
| 55) Styrene                   | 12.176 | 104  | 559500   | 25.285 | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 165852   | 25.139 | ug/L   | 97       |
| 59) Bromoform                 | 12.347 | 173  | 70937    | 25.224 | ug/L # | 98       |
| 60) Isopropylbenzene          | 12.463 | 105  | 879144   | 25.932 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 116818   | 25.279 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 770366   | 26.467 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.243 | 105  | 737441   | 26.277 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 353311   | 25.590 | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 13.573 | 146  | 361153   | 25.841 | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 313551   | 25.550 | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 22800    | 22.699 | ug/L   | 97       |
| 69) 1,3,5-Trichlorobenzene    | 14.621 | 180  | 224521   | 24.906 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 181924   | 24.873 | ug/L   | 96       |
| 71) Naphthalene               | 15.359 | 128  | 397799   | 25.102 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 156696   | 25.100 | ug/L   | 98       |

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

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