

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW110621\  
 Data File : VW020773.D  
 Acq On : 05 Nov 2021 11:20  
 Operator : SY/VA  
 Sample : VSTDICV025  
 Misc : 5.00g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VICV418

Quant Time: Nov 20 03:01:23 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM110621SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Nov 20 02:58:59 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 165478   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 153140   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 84560    | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 34557    | 22.211   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 88.840%  |
| 7) Chloroethane-d5            | 2.879  | 69    | 21384    | 24.138   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 96.560%  |
| 11) 1,1-Dichloroethene-d2     | 4.025  | 63    | 76613    | 23.460   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 93.840%  |
| 21) 2-Butanone-d5             | 7.074  | 46    | 25805    | 49.941   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 99.880%  |
| 24) Chloroform-d              | 7.653  | 84    | 88880    | 24.173   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 96.680%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 47090    | 24.058   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 96.240%  |
| 32) Benzene-d6                | 8.275  | 84    | 161696   | 23.370   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 93.480%  |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 51018    | 23.816   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 95.280%  |
| 41) Toluene-d8                | 10.323 | 98    | 156689   | 23.278   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 93.120%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 25386    | 23.893   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 95.560%  |
| 47) 2-Hexanone-d5             | 10.921 | 63    | 20875    | 48.162   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 96.320%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695 | 84    | 44540    | 25.088   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 100.360% |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 65398    | 24.610   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 98.440%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.007  | 85    | 20805    | 30.833   | ug/L   | 100      |
| 3) Chloromethane              | 2.215  | 50    | 46316    | 26.233   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.361  | 62    | 64861    | 25.469   | ug/L   | 99       |
| 6) Bromomethane               | 2.776  | 94    | 32759    | 24.856   | ug/L   | 100      |
| 8) Chloroethane               | 2.922  | 64    | 24494    | 26.157   | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 3.251  | 101   | 32286    | 23.903   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.068  | 101   | 54802    | 24.669   | ug/L   | 91       |
| 12) 1,1-Dichloroethene        | 4.044  | 96    | 52823    | 24.951   | ug/L   | 74       |
| 13) Acetone                   | 4.123  | 43    | 21192    | 44.634   | ug/L   | 93       |
| 14) Carbon disulfide          | 4.385  | 76    | 157766   | 24.688   | ug/L   | 98       |
| 15) Methyl Acetate            | 4.672  | 43    | 22679    | 25.172   | ug/L   | 96       |
| 16) Methylene chloride        | 4.915  | 84    | 53938    | 22.012   | ug/L   | 92       |
| 17) trans-1,2-Dichloroethene  | 5.421  | 96    | 56610    | 25.155   | ug/L   | 90       |
| 18) Methyl tert-butyl Ether   | 5.428  | 73    | 78515    | 24.656   | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 6.220  | 63    | 99159    | 25.441   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 60386    | 25.455   | ug/L   | 78       |
| 22) 2-Butanone                | 7.171  | 43    | 32708    | 51.309   | ug/L   | 94       |
| 23) Bromochloromethane        | 7.513  | 128   | 27975    | 25.555   | ug/L # | 78       |
| 25) Chloroform                | 7.677  | 83    | 101419   | 24.995   | ug/L   | 100      |

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 ALS Vial : 1 Sample Multiplier: 1

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 ClientSampleId :  
 VICV418

Quant Time: Nov 20 03:01:23 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM110621SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Nov 20 02:58:59 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.397  | 62   | 67835    | 25.825 | ug/L   | 99       |
| 29) Cyclohexane               | 7.958  | 56   | 96843    | 24.238 | ug/L   | 91       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 88469    | 24.310 | ug/L   | 95       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 85623    | 24.724 | ug/L   | 98       |
| 33) Benzene                   | 8.323  | 78   | 226623   | 24.709 | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 60628    | 24.834 | ug/L   | 91       |
| 35) Methylcyclohexane         | 9.335  | 83   | 104911   | 24.625 | ug/L   | 91       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 55264    | 25.450 | ug/L   | 98       |
| 38) Bromodichloromethane      | 9.646  | 83   | 77558    | 25.515 | ug/L # | 98       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 89641    | 25.366 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 70530    | 49.698 | ug/L # | 97       |
| 42) Toluene                   | 10.390 | 91   | 246410   | 24.985 | ug/L   | 95       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 79474    | 24.862 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 41178    | 25.553 | ug/L   | 93       |
| 46) Tetrachloroethene         | 10.860 | 164  | 54470    | 24.876 | ug/L   | 95       |
| 48) 2-Hexanone                | 10.969 | 43   | 50775    | 48.998 | ug/L # | 96       |
| 49) Dibromochloromethane      | 11.128 | 129  | 54705    | 24.858 | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 11.238 | 107  | 40979    | 25.079 | ug/L # | 96       |
| 51) Chlorobenzene             | 11.658 | 112  | 163081   | 25.636 | ug/L   | 94       |
| 52) Ethylbenzene              | 11.731 | 91   | 282491   | 25.565 | ug/L   | 98       |
| 53) m,p-Xylene                | 11.835 | 106  | 113403   | 25.614 | ug/L   | 86       |
| 54) o-Xylene                  | 12.164 | 106  | 107065   | 25.529 | ug/L   | 90       |
| 55) Styrene                   | 12.182 | 104  | 183673   | 25.761 | ug/L   | 94       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 47558    | 25.180 | ug/L # | 99       |
| 59) Bromoform                 | 12.347 | 173  | 35156    | 24.580 | ug/L   | 100      |
| 60) Isopropylbenzene          | 12.463 | 105  | 293456   | 25.179 | ug/L   | 96       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 34997    | 25.044 | ug/L   | 94       |
| 62) 1,3,5-Trimethylbenzene    | 12.945 | 105  | 251128   | 25.075 | ug/L   | 95       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 247091   | 24.836 | ug/L   | 94       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 139650   | 25.843 | ug/L   | 92       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 135265   | 25.128 | ug/L   | 94       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 121230   | 25.397 | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 8588     | 25.141 | ug/L # | 73       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 108654   | 25.332 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 86507    | 24.193 | ug/L   | 96       |
| 71) Naphthalene               | 15.365 | 128  | 154081   | 25.493 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 75481    | 24.841 | ug/L   | 97       |

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

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