

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082021\  
 Data File : VW019819.D  
 Acq On : 20 Aug 2021 08:45  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025517

Quant Time: Aug 20 23:30:06 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081821SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Aug 20 00:38:38 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 8.848  | 114   | 343853   | 25.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 325129   | 25.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 168617   | 25.000   | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 2.361  | 65    | 142961   | 26.834   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 107.320% |
| 7) Chloroethane-d5            | 2.897  | 69    | 119160   | 25.482   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 101.920% |
| 11) 1,1-Dichloroethene-d2     | 4.031  | 63    | 230388   | 24.921   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =     | 99.680%  |
| 21) 2-Butanone-d5             | 7.086  | 46    | 54236    | 50.118   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 100.240% |
| 24) Chloroform-d              | 7.653  | 84    | 239624   | 25.340   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =     | 101.360% |
| 26) 1,2-Dichloroethane-d4     | 8.311  | 65    | 126798   | 24.881   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =     | 99.520%  |
| 32) Benzene-d6                | 8.274  | 84    | 466984   | 25.191   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =     | 100.760% |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 139098   | 24.778   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =     | 99.120%  |
| 41) Toluene-d8                | 10.329 | 98    | 426611   | 25.112   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =     | 100.440% |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 59794    | 25.782   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =     | 103.120% |
| 47) 2-Hexanone-d5             | 10.926 | 63    | 40046    | 51.206   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 102.420% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.694 | 84    | 119354   | 26.122   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =     | 104.480% |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 134994   | 23.339   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =     | 93.360%  |
|                               |        |       |          |          |       |          |
| Target Compounds              | Qvalue |       |          |          |       |          |
| 2) Dichlorodifluoromethane    | 2.013  | 85    | 85084    | 25.249   | ug/L  | 96       |
| 3) Chloromethane              | 2.221  | 50    | 107588   | 25.655   | ug/L  | 99       |
| 5) Vinyl chloride             | 2.373  | 62    | 171517   | 27.579   | ug/L  | 99       |
| 6) Bromomethane               | 2.788  | 94    | 113677   | 24.632   | ug/L  | 100      |
| 8) Chloroethane               | 2.934  | 64    | 104696   | 25.680   | ug/L  | 98       |
| 9) Trichlorofluoromethane     | 3.269  | 101   | 104123   | 26.029   | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.080  | 101   | 125488   | 26.429   | ug/L  | 98       |
| 12) 1,1-Dichloroethene        | 4.050  | 96    | 119212   | 25.603   | ug/L  | 97       |
| 13) Acetone                   | 4.129  | 43    | 47634    | 51.563   | ug/L  | 89       |
| 14) Carbon disulfide          | 4.391  | 76    | 387472   | 26.017   | ug/L  | 100      |
| 15) Methyl Acetate            | 4.671  | 43    | 49061    | 25.513   | ug/L  | 98       |
| 16) Methylene chloride        | 4.921  | 84    | 130705   | 22.148   | ug/L  | 96       |
| 17) trans-1,2-Dichloroethene  | 5.434  | 96    | 123700   | 25.289   | ug/L  | 97       |
| 18) Methyl tert-butyl Ether   | 5.434  | 73    | 141976   | 25.216   | ug/L  | 98       |
| 19) 1,1-Dichloroethane        | 6.226  | 63    | 223402   | 25.766   | ug/L  | 96       |
| 20) cis-1,2-Dichloroethene    | 7.177  | 96    | 127519   | 25.756   | ug/L  | 100      |
| 22) 2-Butanone                | 7.171  | 43    | 66465    | 55.521   | ug/L  | 98       |
| 23) Bromochloromethane        | 7.519  | 128   | 58544    | 26.422   | ug/L  | 97       |
| 25) Chloroform                | 7.677  | 83    | 229944   | 25.634   | ug/L  | 99       |

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 ClientSampleId :  
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 Quant Title : SFAM01.0  
 QLast Update : Fri Aug 20 00:38:38 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 152697   | 26.095 | ug/L  | 96       |
| 29) Cyclohexane               | 7.964  | 56   | 203621   | 26.669 | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 7.878  | 97   | 188773   | 25.979 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.073  | 117  | 177022   | 26.134 | ug/L  | 100      |
| 33) Benzene                   | 8.329  | 78   | 523987   | 26.259 | ug/L  | 100      |
| 34) Trichloroethene           | 9.091  | 95   | 128194   | 24.712 | ug/L  | 95       |
| 35) Methylcyclohexane         | 9.335  | 83   | 237196   | 26.658 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 9.372  | 63   | 127025   | 25.703 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.646  | 83   | 162723   | 25.417 | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 189889   | 26.092 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 10.213 | 43   | 144042   | 54.812 | ug/L  | 98       |
| 42) Toluene                   | 10.390 | 91   | 560763   | 26.529 | ug/L  | 96       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 167949   | 26.218 | ug/L  | 95       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 94820    | 26.502 | ug/L  | 98       |
| 46) Tetrachloroethene         | 10.866 | 164  | 101037   | 25.712 | ug/L  | 99       |
| 48) 2-Hexanone                | 10.969 | 43   | 109607   | 59.917 | ug/L  | 98       |
| 49) Dibromochloromethane      | 11.128 | 129  | 108366   | 26.478 | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 11.237 | 107  | 86602    | 25.771 | ug/L  | 95       |
| 51) Chlorobenzene             | 11.658 | 112  | 335506   | 24.991 | ug/L  | 99       |
| 52) Ethylbenzene              | 11.731 | 91   | 604529   | 26.564 | ug/L  | 98       |
| 53) m,p-Xylene                | 11.841 | 106  | 234254   | 26.805 | ug/L  | 96       |
| 54) o-Xylene                  | 12.164 | 106  | 215622   | 26.083 | ug/L  | 96       |
| 55) Styrene                   | 12.182 | 104  | 382021   | 27.045 | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 116130   | 26.468 | ug/L  | 96       |
| 59) Bromoform                 | 12.347 | 173  | 57237    | 25.566 | ug/L  | 98       |
| 60) Isopropylbenzene          | 12.463 | 105  | 586464   | 25.669 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 85155    | 25.758 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.944 | 105  | 486394   | 26.673 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 492036   | 26.620 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 259471   | 25.473 | ug/L  | 94       |
| 65) 1,4-Dichlorobenzene       | 13.578 | 146  | 254356   | 24.294 | ug/L  | 95       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 234673   | 25.370 | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 18398    | 25.528 | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 181978   | 25.928 | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 15.133 | 180  | 137179   | 25.436 | ug/L  | 94       |
| 71) Naphthalene               | 15.365 | 128  | 292768   | 27.219 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 129515   | 25.935 | ug/L  | 97       |

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

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