

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW110822\  
 Data File : VW025020.D  
 Acq On : 08 Nov 2022 10:38  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025487

Quant Time: Nov 09 00:52:01 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM102622SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Nov 04 04:15:36 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 230429   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 210675   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 116404   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 49767    | 19.242   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 76.960%  |
| 7) Chloroethane-d5            | 2.879  | 69    | 31840    | 21.015   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 84.040%  |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 143052   | 22.204   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 88.800%  |
| 21) 2-Butanone-d5             | 7.080  | 46    | 39083    | 44.773   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 89.540%  |
| 24) Chloroform-d              | 7.647  | 84    | 180832   | 25.859   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 103.440% |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 100185   | 25.593   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 102.360% |
| 32) Benzene-d6                | 8.275  | 84    | 330001   | 24.438   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 97.760%  |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 93498    | 23.631   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 94.520%  |
| 41) Toluene-d8                | 10.323 | 98    | 305309   | 24.286   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 97.160%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 42335    | 24.130   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 96.520%  |
| 47) 2-Hexanone-d5             | 10.927 | 63    | 32460    | 47.493   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 94.980%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 76640    | 24.259   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 97.040%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.847 | 152   | 108357   | 24.223   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 96.880%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.007  | 85    | 21116    | 27.474   | ug/L   | 95       |
| 3) Chloromethane              | 2.215  | 50    | 37807    | 20.452   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.361  | 62    | 57564    | 22.537   | ug/L   | 100      |
| 6) Bromomethane               | 2.776  | 94    | 28959    | 22.719   | ug/L   | 89       |
| 8) Chloroethane               | 2.922  | 64    | 24635    | 23.121   | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 3.257  | 101   | 46595    | 21.746   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.062  | 101   | 80142    | 26.412   | ug/L # | 73       |
| 12) 1,1-Dichloroethene        | 4.044  | 96    | 73493    | 25.711   | ug/L   | 85       |
| 13) Acetone                   | 4.123  | 43    | 26809    | 43.232   | ug/L   | 96       |
| 14) Carbon disulfide          | 4.385  | 76    | 202321   | 24.231   | ug/L   | 100      |
| 15) Methyl Acetate            | 4.672  | 43    | 27468    | 22.248   | ug/L   | 97       |
| 16) Methylene chloride        | 4.922  | 84    | 81602    | 19.945   | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 5.428  | 96    | 77902    | 25.452   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 5.421  | 73    | 124631   | 24.274   | ug/L # | 91       |
| 19) 1,1-Dichloroethane        | 6.214  | 63    | 144391   | 25.481   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.165  | 96    | 86863    | 26.038   | ug/L   | 95       |
| 22) 2-Butanone                | 7.171  | 43    | 39590    | 42.612   | ug/L   | 97       |
| 23) Bromochloromethane        | 7.513  | 128   | 38646    | 26.722   | ug/L   | 97       |
| 25) Chloroform                | 7.677  | 83    | 161730   | 27.043   | ug/L   | 96       |

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 Quant Title : SFAM01.0  
 QLast Update : Fri Nov 04 04:15:36 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.396  | 62   | 111938   | 27.594 | ug/L   | 98       |
| 29) Cyclohexane               | 7.958  | 56   | 121873   | 24.499 | ug/L   | 96       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 143106   | 27.758 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.073  | 117  | 135366   | 29.383 | ug/L   | 97       |
| 33) Benzene                   | 8.323  | 78   | 329950   | 26.007 | ug/L   | 100      |
| 34) Trichloroethene           | 9.091  | 95   | 89525    | 26.657 | ug/L   | 96       |
| 35) Methylcyclohexane         | 9.335  | 83   | 148781   | 26.072 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 78504    | 25.495 | ug/L   | 98       |
| 38) Bromodichloromethane      | 9.646  | 83   | 120237   | 27.978 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 131737   | 27.063 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 86320    | 47.771 | ug/L   | 99       |
| 42) Toluene                   | 10.384 | 91   | 360215   | 26.744 | ug/L   | 95       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 117852   | 27.233 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 60918    | 26.202 | ug/L   | 97       |
| 46) Tetrachloroethene         | 10.859 | 164  | 66552    | 27.709 | ug/L   | 93       |
| 48) 2-Hexanone                | 10.969 | 43   | 58721    | 46.990 | ug/L   | 98       |
| 49) Dibromochloromethane      | 11.128 | 129  | 79867    | 28.182 | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 56142    | 25.533 | ug/L   | 97       |
| 51) Chlorobenzene             | 11.658 | 112  | 232916   | 26.679 | ug/L   | 96       |
| 52) Ethylbenzene              | 11.725 | 91   | 416148   | 26.767 | ug/L   | 97       |
| 53) m,p-Xylene                | 11.835 | 106  | 159887   | 26.567 | ug/L   | 92       |
| 54) o-Xylene                  | 12.164 | 106  | 152988   | 26.946 | ug/L   | 99       |
| 55) Styrene                   | 12.176 | 104  | 271518   | 27.534 | ug/L   | 93       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 70329    | 25.216 | ug/L   | 99       |
| 59) Bromoform                 | 12.347 | 173  | 40435    | 24.560 | ug/L # | 96       |
| 60) Isopropylbenzene          | 12.463 | 105  | 405513   | 23.171 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 53228    | 22.760 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 384580   | 25.315 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 381113   | 25.583 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 187040   | 25.625 | ug/L   | 95       |
| 65) 1,4-Dichlorobenzene       | 13.578 | 146  | 189523   | 26.022 | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 169515   | 25.830 | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 14269    | 26.403 | ug/L   | 95       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 129263   | 26.738 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 108766   | 28.946 | ug/L   | 99       |
| 71) Naphthalene               | 15.359 | 128  | 214661   | 27.081 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 90866    | 27.753 | ug/L   | 97       |

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

