

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082521\  
 Data File : VW019889.D  
 Acq On : 25 Aug 2021 08:59  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025523

Quant Time: Aug 26 01:02:52 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081821SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Aug 25 00:57:31 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.848  | 114   | 425441   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 377765   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 187000   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.361  | 65    | 143660   | 21.794   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 87.160%  |
| 7) Chloroethane-d5            | 2.898  | 69    | 125531   | 21.696   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 86.800%  |
| 11) 1,1-Dichloroethene-d2     | 4.025  | 63    | 271121   | 23.703   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 94.800%  |
| 21) 2-Butanone-d5             | 7.086  | 46    | 56850    | 42.459   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 84.920%  |
| 24) Chloroform-d              | 7.653  | 84    | 276178   | 23.604   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 94.400%  |
| 26) 1,2-Dichloroethane-d4     | 8.311  | 65    | 141355   | 22.419   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 89.680%  |
| 32) Benzene-d6                | 8.275  | 84    | 538457   | 24.999   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 100.000% |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 157562   | 24.156   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 96.640%  |
| 41) Toluene-d8                | 10.323 | 98    | 493635   | 25.009   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 100.040% |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 66666    | 24.740   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 98.960%  |
| 47) 2-Hexanone-d5             | 10.927 | 63    | 40997    | 45.118   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 90.240%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695 | 84    | 119966   | 22.597   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 90.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 161277   | 25.143   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 100.560% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.014  | 85    | 93415    | 22.405   | ug/L   | # 88     |
| 3) Chloromethane              | 2.221  | 50    | 105820   | 20.395   | ug/L   | 100      |
| 5) Vinyl chloride             | 2.373  | 62    | 174531   | 22.682   | ug/L   | 96       |
| 6) Bromomethane               | 2.794  | 94    | 121802   | 21.331   | ug/L   | 99       |
| 8) Chloroethane               | 2.934  | 64    | 110981   | 22.001   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 3.269  | 101   | 116313   | 23.501   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.080  | 101   | 144291   | 24.561   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 4.044  | 96    | 140531   | 24.393   | ug/L   | 94       |
| 13) Acetone                   | 4.141  | 43    | 43657    | 38.195   | ug/L   | 85       |
| 14) Carbon disulfide          | 4.391  | 76    | 420045   | 22.796   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.678  | 43    | 46800    | 19.670   | ug/L   | 100      |
| 16) Methylene chloride        | 4.922  | 84    | 141212   | 19.339   | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 5.428  | 96    | 145410   | 24.027   | ug/L   | 95       |
| 18) Methyl tert-butyl Ether   | 5.428  | 73    | 177205   | 25.437   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 6.220  | 63    | 259221   | 24.164   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 152522   | 24.898   | ug/L   | 100      |
| 22) 2-Butanone                | 7.177  | 43    | 62113    | 41.936   | ug/L   | 99       |
| 23) Bromochloromethane        | 7.519  | 128   | 63183    | 23.047   | ug/L   | 92       |
| 25) Chloroform                | 7.677  | 83    | 262564   | 23.658   | ug/L   | 97       |

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 Quant Title : SFAM01.0  
 QLast Update : Wed Aug 25 00:57:31 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 161650   | 22.327 | ug/L  | 99       |
| 29) Cyclohexane               | 7.958  | 56   | 245005   | 27.618 | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 7.878  | 97   | 220696   | 26.140 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.073  | 117  | 200815   | 25.515 | ug/L  | 99       |
| 33) Benzene                   | 8.329  | 78   | 586623   | 25.302 | ug/L  | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 154470   | 25.628 | ug/L  | 93       |
| 35) Methylcyclohexane         | 9.335  | 83   | 278507   | 26.939 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.372  | 63   | 140414   | 24.453 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.646  | 83   | 180428   | 24.255 | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 218314   | 25.818 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 10.213 | 43   | 138020   | 45.203 | ug/L  | 96       |
| 42) Toluene                   | 10.390 | 91   | 633307   | 25.786 | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 10.610 | 75   | 186840   | 25.103 | ug/L  | 96       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 96872    | 23.303 | ug/L  | 97       |
| 46) Tetrachloroethene         | 10.866 | 164  | 120403   | 26.371 | ug/L  | 96       |
| 48) 2-Hexanone                | 10.969 | 43   | 102322   | 48.141 | ug/L  | 96       |
| 49) Dibromochloromethane      | 11.128 | 129  | 114424   | 24.063 | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 11.238 | 107  | 91498    | 23.434 | ug/L  | 97       |
| 51) Chlorobenzene             | 11.658 | 112  | 381748   | 24.473 | ug/L  | 98       |
| 52) Ethylbenzene              | 11.731 | 91   | 694880   | 26.280 | ug/L  | 97       |
| 53) m,p-Xylene                | 11.841 | 106  | 270586   | 26.648 | ug/L  | 99       |
| 54) o-Xylene                  | 12.164 | 106  | 249943   | 26.022 | ug/L  | 95       |
| 55) Styrene                   | 12.182 | 104  | 422151   | 25.721 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 112416   | 22.051 | ug/L  | 98       |
| 59) Bromoform                 | 12.347 | 173  | 56959    | 22.941 | ug/L  | 98       |
| 60) Isopropylbenzene          | 12.463 | 105  | 703082   | 27.748 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 80673    | 22.003 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.945 | 105  | 576980   | 28.530 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 587527   | 28.661 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 288861   | 25.570 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 294283   | 25.344 | ug/L  | 96       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 260555   | 25.399 | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 17092    | 21.385 | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 215589   | 27.697 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 172049   | 28.766 | ug/L  | 100      |
| 71) Naphthalene               | 15.365 | 128  | 319403   | 26.776 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 142309   | 25.695 | ug/L  | 97       |

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

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