

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121322\  
 Data File : VW025145.D  
 Acq On : 13 Dec 2022 15:05  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025511

Quant Time: Dec 13 22:04:27 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120822SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Dec 13 22:02:49 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 421823   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 379212   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 192280   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 115223   | 23.696   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 94.800%  |
| 7) Chloroethane-d5            | 2.885  | 69    | 79472    | 25.311   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 101.240% |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 262158   | 24.609   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 98.440%  |
| 21) 2-Butanone-d5             | 7.074  | 46    | 57661    | 47.233   | ug/L   | -0.01    |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 94.460%  |
| 24) Chloroform-d              | 7.647  | 84    | 276966   | 25.437   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 101.760% |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 138018   | 24.995   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 100.000% |
| 32) Benzene-d6                | 8.275  | 84    | 558802   | 25.127   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 100.520% |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 161009   | 24.882   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 99.520%  |
| 41) Toluene-d8                | 10.323 | 98    | 505772   | 25.083   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 100.320% |
| 43) trans-1,3-Dichloroprop... | 10.573 | 79    | 66356    | 24.276   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 97.120%  |
| 47) 2-Hexanone-d5             | 10.920 | 63    | 45235    | 47.647   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 95.300%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 113616   | 23.777   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 95.120%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 158640   | 24.341   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 97.360%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.007  | 85    | 53719    | 21.013   | ug/L   | 95       |
| 3) Chloromethane              | 2.215  | 50    | 105741   | 23.491   | ug/L   | 97       |
| 5) Vinyl chloride             | 2.361  | 62    | 139126   | 24.707   | ug/L   | 98       |
| 6) Bromomethane               | 2.782  | 94    | 71630    | 24.549   | ug/L   | 99       |
| 8) Chloroethane               | 2.922  | 64    | 68332    | 26.236   | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 3.263  | 101   | 106898   | 25.331   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.068  | 101   | 138252   | 24.801   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 4.038  | 96    | 133136   | 25.051   | ug/L   | 99       |
| 13) Acetone                   | 4.123  | 43    | 47329    | 37.716   | ug/L   | 99       |
| 14) Carbon disulfide          | 4.385  | 76    | 421180   | 24.825   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.672  | 43    | 50534    | 24.672   | ug/L   | 96       |
| 16) Methylene chloride        | 4.909  | 84    | 153037   | 23.212   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 5.428  | 96    | 146520   | 26.007   | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 5.428  | 73    | 222484   | 26.614   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 6.214  | 63    | 266630   | 26.191   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 159816   | 26.827   | ug/L   | 94       |
| 22) 2-Butanone                | 7.165  | 43    | 68637    | 43.476   | ug/L   | 97       |
| 23) Bromochloromethane        | 7.513  | 128   | 67576    | 26.807   | ug/L   | 94       |
| 25) Chloroform                | 7.677  | 83    | 275386   | 26.732   | ug/L   | 100      |

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 ALS Vial : 1 Sample Multiplier: 1

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 ClientSampleId :  
 VSTD025511

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 Quant Title : SFAM01.0  
 QLast Update : Tue Dec 13 22:02:49 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.396  | 62   | 170535   | 26.292 | ug/L  | 100      |
| 29) Cyclohexane               | 7.958  | 56   | 240486   | 25.044 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 230226   | 25.719 | ug/L  | 100      |
| 31) Carbon tetrachloride      | 8.067  | 117  | 208083   | 25.281 | ug/L  | 98       |
| 33) Benzene                   | 8.323  | 78   | 614328   | 26.152 | ug/L  | 100      |
| 34) Trichloroethene           | 9.091  | 95   | 156573   | 25.445 | ug/L  | 94       |
| 35) Methylcyclohexane         | 9.335  | 83   | 268867   | 24.634 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 149331   | 26.356 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.640  | 83   | 198520   | 26.522 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 230902   | 26.672 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 144858   | 49.874 | ug/L  | 100      |
| 42) Toluene                   | 10.384 | 91   | 646558   | 26.269 | ug/L  | 96       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 191412   | 25.817 | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 105294   | 26.041 | ug/L  | 95       |
| 46) Tetrachloroethene         | 10.866 | 164  | 112118   | 25.030 | ug/L  | 95       |
| 48) 2-Hexanone                | 10.963 | 43   | 99827    | 47.055 | ug/L  | 100      |
| 49) Dibromochloromethane      | 11.128 | 129  | 123232   | 25.378 | ug/L  | 91       |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 97880    | 26.001 | ug/L  | 99       |
| 51) Chlorobenzene             | 11.658 | 112  | 413188   | 26.232 | ug/L  | 99       |
| 52) Ethylbenzene              | 11.731 | 91   | 732498   | 26.262 | ug/L  | 97       |
| 53) m,p-Xylene                | 11.841 | 106  | 282279   | 26.500 | ug/L  | 95       |
| 54) o-Xylene                  | 12.164 | 106  | 274518   | 27.042 | ug/L  | 95       |
| 55) Styrene                   | 12.176 | 104  | 469113   | 27.287 | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 120475   | 25.478 | ug/L  | 94       |
| 59) Bromoform                 | 12.353 | 173  | 64057    | 24.260 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.463 | 105  | 750985   | 25.480 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 88130    | 23.846 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 647785   | 25.659 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 632772   | 25.800 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 13.493 | 146  | 313654   | 25.995 | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 13.578 | 146  | 314450   | 25.878 | ug/L  | 97       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 280465   | 26.653 | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 19786    | 22.962 | ug/L  | 93       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 217121   | 25.342 | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 177042   | 25.754 | ug/L  | 99       |
| 71) Naphthalene               | 15.359 | 128  | 336210   | 24.948 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 150570   | 24.993 | ug/L  | 98       |

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

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