

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW032024\  
 Data File : VW028211.D  
 Acq On : 20 Mar 2024 11:00  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025519

Quant Time: Mar 21 01:08:06 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM031424SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Mon Mar 18 01:23:58 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 198735   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 178892   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 97631    | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 50576    | 21.750   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 87.000%  |
| 7) Chloroethane-d5            | 2.905  | 69    | 38461    | 23.675   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 94.680%  |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 65    | 34738    | 23.558   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 94.240%  |
| 21) 2-Butanone-d5             | 7.081  | 46    | 33177    | 48.376   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 96.760%  |
| 24) Chloroform-d              | 7.648  | 84    | 154617   | 26.384   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 105.520% |
| 26) 1,2-Dichloroethane-d4     | 8.301  | 65    | 84539    | 26.178   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 104.720% |
| 32) Benzene-d6                | 8.276  | 84    | 294259   | 26.942   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 107.760% |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 83561    | 26.585   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 106.360% |
| 41) Toluene-d8                | 10.325 | 98    | 268517   | 26.654   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 106.600% |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 38064    | 26.664   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 106.640% |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 27462    | 52.858   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 105.720% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 60680    | 26.135   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 104.560% |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 92139    | 25.907   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 103.640% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 51858    | 17.988   | ug/L # | 86       |
| 3) Chloromethane              | 2.229  | 50    | 38380    | 18.770   | ug/L   | 100      |
| 5) Vinyl chloride             | 2.375  | 62    | 48598    | 21.026   | ug/L   | 97       |
| 6) Bromomethane               | 2.796  | 94    | 28493    | 20.700   | ug/L   | 96       |
| 8) Chloroethane               | 2.936  | 64    | 27258    | 21.941   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.271  | 101   | 64567    | 23.105   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.082  | 101   | 61944    | 22.313   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 58079    | 22.631   | ug/L   | 93       |
| 13) Acetone                   | 4.143  | 43    | 30421    | 39.950   | ug/L   | 100      |
| 14) Carbon disulfide          | 4.387  | 76    | 173324   | 21.654   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.679  | 43    | 22241    | 18.962   | ug/L   | 96       |
| 16) Methylene chloride        | 4.923  | 84    | 61127    | 20.209   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 5.435  | 96    | 60966    | 22.354   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 91150    | 22.152   | ug/L # | 91       |
| 19) 1,1-Dichloroethane        | 6.222  | 63    | 116895   | 22.140   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 65059    | 22.088   | ug/L   | 98       |
| 22) 2-Butanone                | 7.173  | 43    | 34371    | 39.755   | ug/L   | 97       |
| 23) Bromochloromethane        | 7.514  | 128   | 28319    | 21.747   | ug/L   | 94       |
| 25) Chloroform                | 7.679  | 83    | 121731   | 22.395   | ug/L   | 97       |

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 ClientSampleId :  
 VSTD025519

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 Quant Title : SFAM01.0  
 QLast Update : Mon Mar 18 01:23:58 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 82723    | 21.550 | ug/L  | 97       |
| 29) Cyclohexane               | 7.959  | 56   | 104247   | 22.342 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 109466   | 23.344 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 100052   | 22.746 | ug/L  | 100      |
| 33) Benzene                   | 8.325  | 78   | 250202   | 22.729 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 70397    | 22.922 | ug/L  | 96       |
| 35) Methylcyclohexane         | 9.337  | 83   | 116438   | 22.429 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 62405    | 22.163 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 85398    | 22.496 | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 101435   | 22.495 | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 64509    | 41.506 | ug/L  | 98       |
| 42) Toluene                   | 10.386 | 91   | 272789   | 22.706 | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 86075    | 22.609 | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 44589    | 21.918 | ug/L  | 97       |
| 46) Tetrachloroethene         | 10.861 | 164  | 55250    | 22.317 | ug/L  | 89       |
| 48) 2-Hexanone                | 10.965 | 43   | 51760    | 42.514 | ug/L  | 96       |
| 49) Dibromochloromethane      | 11.129 | 129  | 53177    | 22.071 | ug/L  | 94       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 42501    | 21.849 | ug/L  | 99       |
| 51) Chlorobenzene             | 11.654 | 112  | 171522   | 22.493 | ug/L  | 99       |
| 52) Ethylbenzene              | 11.727 | 91   | 320934   | 22.883 | ug/L  | 98       |
| 53) m,p-Xylene                | 11.837 | 106  | 119444   | 22.632 | ug/L  | 96       |
| 54) o-Xylene                  | 12.160 | 106  | 114397   | 23.374 | ug/L  | 100      |
| 55) Styrene                   | 12.178 | 104  | 194354   | 23.119 | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 50019    | 21.496 | ug/L  | 99       |
| 59) Bromoform                 | 12.343 | 173  | 31170    | 21.306 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.458 | 105  | 324623   | 22.379 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.769 | 75   | 36757    | 19.727 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 222576   | 22.868 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 259404   | 22.072 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 142795   | 22.066 | ug/L  | 97       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 141820   | 21.916 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 123542   | 22.168 | ug/L  | 95       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 8587     | 19.618 | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 98954    | 21.952 | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.123 | 180  | 82459    | 21.533 | ug/L  | 93       |
| 71) Naphthalene               | 15.360 | 128  | 146459   | 22.282 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 69890    | 22.139 | ug/L  | 99       |

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

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