

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW010824\  
 Data File : VW027833.D  
 Acq On : 08 Jan 2024 16:14  
 Operator : SY/MD  
 Sample : VSTDICV025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VICV409

Quant Time: Jan 09 04:19:36 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM010824SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Jan 09 04:13:17 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 334064   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 307770   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 151538   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 100508   | 24.651   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 98.600%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 76551    | 21.415   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 85.680%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 43585    | 23.763   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 95.040%  |
| 21) 2-Butanone-d5             | 7.087  | 46    | 44623    | 66.184   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 132.360% |
| 24) Chloroform-d              | 7.654  | 84    | 199786   | 24.732   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 98.920%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 95815    | 26.180   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 104.720% |
| 32) Benzene-d6                | 8.276  | 84    | 427320   | 24.463   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 97.840%  |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 120920   | 25.022   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 100.080% |
| 41) Toluene-d8                | 10.325 | 98    | 399189   | 24.445   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 97.760%  |
| 43) trans-1,3-Dichloroprop... | 10.574 | 79    | 50760    | 27.022   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 108.080% |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 42335    | 66.739   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 133.480% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 100959   | 29.326   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 117.320% |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 138485   | 25.997   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 104.000% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 75766    | 21.864   | ug/L   | 99       |
| 3) Chloromethane              | 2.228  | 50    | 97563    | 22.655   | ug/L   | 98       |
| 5) Vinyl chloride             | 2.375  | 62    | 110860   | 25.506   | ug/L   | 100      |
| 6) Bromomethane               | 2.795  | 94    | 77564    | 22.920   | ug/L   | 96       |
| 8) Chloroethane               | 2.936  | 64    | 61917    | 21.623   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.271  | 101   | 115920   | 23.243   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.082  | 101   | 95423    | 23.508   | ug/L # | 74       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 93543    | 23.541   | ug/L   | 96       |
| 13) Acetone                   | 4.149  | 43    | 41255    | 47.876   | ug/L   | 68       |
| 14) Carbon disulfide          | 4.393  | 76    | 281885   | 23.078   | ug/L   | 98       |
| 15) Methyl Acetate            | 4.685  | 43    | 33871    | 28.893   | ug/L   | 99       |
| 16) Methylene chloride        | 4.923  | 84    | 99588    | 20.562   | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 5.435  | 96    | 98436    | 23.186   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 5.435  | 73    | 136923   | 26.396   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.222  | 63    | 164180   | 22.795   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 106442   | 23.051   | ug/L   | 94       |
| 22) 2-Butanone                | 7.185  | 43    | 49601    | 59.342   | ug/L   | 98       |
| 23) Bromochloromethane        | 7.514  | 128   | 48335    | 24.125   | ug/L   | 98       |
| 25) Chloroform                | 7.679  | 83    | 168565   | 22.638   | ug/L   | 93       |

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 Data File : VW027833.D  
 Acq On : 08 Jan 2024 16:14  
 Operator : SY/MD  
 Sample : VSTDICV025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VICV409

Quant Time: Jan 09 04:19:36 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM010824SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Jan 09 04:13:17 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 104109   | 24.737 | ug/L   | 100      |
| 29) Cyclohexane               | 7.959  | 56   | 144055   | 23.004 | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 7.880  | 97   | 140970   | 22.837 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 8.075  | 117  | 121931   | 22.771 | ug/L   | 94       |
| 33) Benzene                   | 8.325  | 78   | 391624   | 23.052 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 106830   | 23.006 | ug/L   | 99       |
| 35) Methylcyclohexane         | 9.337  | 83   | 182792   | 23.389 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 93799    | 22.919 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 119805   | 23.411 | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 152866   | 24.240 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 94555    | 59.230 | ug/L   | 99       |
| 42) Toluene                   | 10.385 | 91   | 431024   | 23.313 | ug/L   | 96       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 123342   | 25.337 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 76707    | 25.018 | ug/L   | 98       |
| 46) Tetrachloroethene         | 10.861 | 164  | 83439    | 22.037 | ug/L   | 95       |
| 48) 2-Hexanone                | 10.965 | 43   | 70843    | 61.288 | ug/L   | 98       |
| 49) Dibromochloromethane      | 11.129 | 129  | 84300    | 25.162 | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 73508    | 26.011 | ug/L   | 96       |
| 51) Chlorobenzene             | 11.654 | 112  | 275575   | 22.573 | ug/L   | 98       |
| 52) Ethylbenzene              | 11.727 | 91   | 479812   | 23.023 | ug/L   | 98       |
| 53) m,p-Xylene                | 11.836 | 106  | 185659   | 22.889 | ug/L   | 99       |
| 54) o-Xylene                  | 12.166 | 106  | 179155   | 23.578 | ug/L   | 96       |
| 55) Styrene                   | 12.178 | 104  | 305215   | 23.778 | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 91247    | 27.604 | ug/L   | 98       |
| 59) Bromoform                 | 12.349 | 173  | 49672    | 26.695 | ug/L # | 92       |
| 60) Isopropylbenzene          | 12.458 | 105  | 492736   | 23.915 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 62829    | 27.381 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 396600   | 23.959 | ug/L   | 96       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 389031   | 23.686 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 209453   | 22.160 | ug/L   | 90       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 216146   | 23.395 | ug/L   | 91       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 197932   | 24.569 | ug/L   | 93       |
| 68) 1,2-Dibromo-3-chloropr... | 14.482 | 75   | 13215    | 29.511 | ug/L   | 91       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 154768   | 23.782 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.122 | 180  | 132211   | 24.743 | ug/L   | 96       |
| 71) Naphthalene               | 15.360 | 128  | 250082   | 28.491 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 115362   | 25.672 | ug/L   | 98       |

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

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Operator : SY/MD  
Sample : VSTDICV025  
Misc : 5.00g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
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Quant Time: Jan 09 04:19:36 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM010824SMA.M  
Quant Title : SFAM01.0  
QLast Update : Tue Jan 09 04:13:17 2024  
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