

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW122322\  
 Data File : VW025190.D  
 Acq On : 23 Dec 2022 12:29  
 Operator : SY/MD  
 Sample : N6169-03MS  
 Misc : 4.84g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GBQ97MS

Quant Time: Dec 23 22:00:52 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120822SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 23 21:59:05 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|-------|-----------|
| -----                         |        |       |          |          |       |           |
| Internal Standards            |        |       |          |          |       |           |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 600734   | 25.000   | ug/L  | 0.00      |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 517418   | 25.000   | ug/L  | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 236414   | 25.000   | ug/L  | 0.00      |
|                               |        |       |          |          |       |           |
| System Monitoring Compounds   |        |       |          |          |       |           |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 121553   | 17.553   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 70.200%   |
| 7) Chloroethane-d5            | 2.879  | 69    | 80723    | 18.053   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 72.200%   |
| 11) 1,1-Dichloroethene-d2     | 4.013  | 63    | 304996   | 20.103   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =     | 80.400%   |
| 21) 2-Butanone-d5             | 7.074  | 46    | 140972   | 81.086   | ug/L  | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 162.180%# |
| 24) Chloroform-d              | 7.647  | 84    | 344476   | 22.215   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =     | 88.840%   |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 197219   | 25.079   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =     | 100.320%  |
| 32) Benzene-d6                | 8.275  | 84    | 718023   | 23.663   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =     | 94.640%   |
| 36) 1,2-Dichloropropane-d6    | 9.275  | 67    | 220147   | 24.934   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =     | 99.720%   |
| 41) Toluene-d8                | 10.323 | 98    | 651580   | 23.683   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =     | 94.720%   |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 97585    | 26.165   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =     | 104.640%  |
| 47) 2-Hexanone-d5             | 10.921 | 63    | 121542   | 93.826   | ug/L  | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 187.660%# |
| 56) 1,1,2,2-Tetrachloroeth... | 12.689 | 84    | 211611   | 32.456   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =     | 129.840%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 202499   | 25.271   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =     | 101.080%  |
|                               |        |       |          |          |       |           |
| Target Compounds              |        |       |          |          |       | Qvalue    |
| 2) Dichlorodifluoromethane    | 2.002  | 85    | 62628    | 17.202   | ug/L  | 99        |
| 3) Chloromethane              | 2.209  | 50    | 101571   | 15.844   | ug/L  | 97        |
| 5) Vinyl chloride             | 2.355  | 62    | 128464   | 16.019   | ug/L  | 99        |
| 6) Bromomethane               | 2.776  | 94    | 66007    | 15.884   | ug/L  | 99        |
| 8) Chloroethane               | 2.916  | 64    | 57999    | 15.636   | ug/L  | 98        |
| 9) Trichlorofluoromethane     | 3.251  | 101   | 92027    | 15.313   | ug/L  | 99        |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.056  | 101   | 148892   | 18.755   | ug/L  | 99        |
| 12) 1,1-Dichloroethene        | 4.038  | 96    | 145306   | 19.199   | ug/L  | 99        |
| 13) Acetone                   | 4.117  | 43    | 85607    | 47.902   | ug/L  | 99        |
| 14) Carbon disulfide          | 4.379  | 76    | 418720   | 17.330   | ug/L  | 100       |
| 15) Methyl Acetate            | 4.666  | 43    | 89531    | 30.694   | ug/L  | 98        |
| 16) Methylene chloride        | 4.910  | 84    | 162921   | 17.352   | ug/L  | 96        |
| 17) trans-1,2-Dichloroethene  | 5.422  | 96    | 153070   | 19.078   | ug/L  | 99        |
| 18) Methyl tert-butyl Ether   | 5.422  | 73    | 275811   | 23.167   | ug/L  | 99        |
| 19) 1,1-Dichloroethane        | 6.214  | 63    | 279494   | 19.278   | ug/L  | 100       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 168477   | 19.858   | ug/L  | 93        |
| 22) 2-Butanone                | 7.171  | 43    | 123834   | 55.078   | ug/L  | 99        |
| 23) Bromochloromethane        | 7.513  | 128   | 75929    | 21.150   | ug/L  | 93        |
| 25) Chloroform                | 7.671  | 83    | 281741   | 19.204   | ug/L  | 97        |

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Quant Time: Dec 23 22:00:52 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120822SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 23 21:59:05 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.397  | 62   | 195783   | 21.195 | ug/L  | 99       |
| 29) Cyclohexane               | 7.952  | 56   | 265153   | 20.238 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.866  | 97   | 229054   | 18.753 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.068  | 117  | 203858   | 18.152 | ug/L  | 100      |
| 33) Benzene                   | 8.317  | 78   | 650032   | 20.280 | ug/L  | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 161987   | 19.293 | ug/L  | 97       |
| 35) Methylcyclohexane         | 9.336  | 83   | 282798   | 18.990 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 161556   | 20.897 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.640  | 83   | 210959   | 20.656 | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 264996   | 22.434 | ug/L  | 96       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 271827   | 68.591 | ug/L  | 99       |
| 42) Toluene                   | 10.384 | 91   | 671432   | 19.993 | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 231620   | 22.896 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 10.787 | 97   | 134472   | 24.374 | ug/L  | 98       |
| 46) Tetrachloroethene         | 10.860 | 164  | 131844   | 21.571 | ug/L  | 97       |
| 48) 2-Hexanone                | 10.963 | 43   | 192476   | 66.493 | ug/L  | 98       |
| 49) Dibromochloromethane      | 11.128 | 129  | 146001   | 22.036 | ug/L  | 94       |
| 50) 1,2-Dibromoethane         | 11.232 | 107  | 132449   | 25.786 | ug/L  | 98       |
| 51) Chlorobenzene             | 11.652 | 112  | 422493   | 19.658 | ug/L  | 99       |
| 52) Ethylbenzene              | 11.725 | 91   | 722646   | 18.988 | ug/L  | 100      |
| 53) m,p-Xylene                | 11.835 | 106  | 280537   | 19.302 | ug/L  | 98       |
| 54) o-Xylene                  | 12.164 | 106  | 269927   | 19.487 | ug/L  | 96       |
| 55) Styrene                   | 12.177 | 104  | 457877   | 19.519 | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 177006   | 27.435 | ug/L  | 98       |
| 59) Bromoform                 | 12.347 | 173  | 85287    | 26.270 | ug/L  | 97       |
| 60) Isopropylbenzene          | 12.463 | 105  | 723288   | 19.959 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 131958   | 29.039 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.939 | 105  | 611950   | 19.714 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.250 | 105  | 609334   | 20.206 | ug/L  | 97       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 291282   | 19.634 | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 13.573 | 146  | 297056   | 19.883 | ug/L  | 95       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 277258   | 21.430 | ug/L  | 93       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 33140    | 31.279 | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 176293   | 16.735 | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 149966   | 17.743 | ug/L  | 99       |
| 71) Naphthalene               | 15.359 | 128  | 404777   | 24.429 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 132452   | 17.882 | ug/L  | 99       |

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

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