

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW021624\  
 Data File : VW028037.D  
 Acq On : 16 Feb 2024 17:08  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025489

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/19/2024  
 Supervised By :Mahesh Dadoda 02/20/2024

Quant Time: Feb 18 23:54:40 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM020524SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sun Feb 18 23:52:23 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 268206   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 237770   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.550 | 152   | 131347   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 56536    | 17.998   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 72.000%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 52419    | 22.001   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 88.000%  |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 65    | 25670    | 19.098   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 76.400%  |
| 21) 2-Butanone-d5             | 7.069  | 46    | 30204    | 61.882   | ug/L   | -0.01    |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 123.760% |
| 24) Chloroform-d              | 7.648  | 84    | 148183   | 23.629   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 94.520%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 72262    | 25.513   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 102.040% |
| 32) Benzene-d6                | 8.270  | 84    | 292674   | 23.007   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 92.040%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 82216    | 23.836   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 95.360%  |
| 41) Toluene-d8                | 10.318 | 98    | 279531   | 22.965   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 91.880%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 35084    | 24.734   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 98.920%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 30457    | 64.917   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 129.840% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 73681    | 28.580   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 114.320% |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 106875   | 23.940   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 95.760%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 53414m   | 23.126   | ug/L   |          |
| 3) Chloromethane              | 2.222  | 50    | 47638    | 18.781   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.375  | 62    | 66142    | 19.239   | ug/L   | 100      |
| 6) Bromomethane               | 2.789  | 94    | 50515    | 20.795   | ug/L   | 96       |
| 8) Chloroethane               | 2.942  | 64    | 44273    | 22.792   | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 3.271  | 101   | 54705    | 17.509   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101   | 62006    | 19.689   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 60668    | 20.708   | ug/L   | 94       |
| 13) Acetone                   | 4.124  | 43    | 22162    | 46.694   | ug/L   | 93       |
| 14) Carbon disulfide          | 4.393  | 76    | 158808   | 18.310   | ug/L   | 100      |
| 15) Methyl Acetate            | 4.667  | 43    | 21762    | 27.543   | ug/L   | 100      |
| 16) Methylene chloride        | 4.923  | 84    | 73993    | 22.072   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 68425    | 21.738   | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 100260   | 26.869   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 120172   | 23.501   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 79191    | 23.825   | ug/L   | 97       |
| 22) 2-Butanone                | 7.167  | 43    | 30170    | 55.068   | ug/L   | 97       |
| 23) Bromochloromethane        | 7.514  | 128   | 37341    | 25.291   | ug/L   | 86       |
| 25) Chloroform                | 7.673  | 83    | 137243   | 24.967   | ug/L   | 95       |

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Quant Time: Feb 18 23:54:40 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM020524SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sun Feb 18 23:52:23 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 81768    | 26.711 | ug/L  | 96       |
| 29) Cyclohexane               | 7.959  | 56   | 86482    | 20.407 | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 7.868  | 97   | 108656   | 23.673 | ug/L  | 100      |
| 31) Carbon tetrachloride      | 8.069  | 117  | 99449    | 23.420 | ug/L  | 100      |
| 33) Benzene                   | 8.319  | 78   | 279579   | 23.542 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 78093    | 22.906 | ug/L  | 98       |
| 35) Methylcyclohexane         | 9.337  | 83   | 115596   | 20.605 | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 69895    | 25.046 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 99581    | 26.733 | ug/L  | 94       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 112971   | 25.257 | ug/L  | 94       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 66351    | 62.994 | ug/L  | 99       |
| 42) Toluene                   | 10.386 | 91   | 316563   | 23.775 | ug/L  | 96       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 94464    | 26.608 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 60786    | 27.519 | ug/L  | 97       |
| 46) Tetrachloroethene         | 10.861 | 164  | 65641    | 22.882 | ug/L  | 89       |
| 48) 2-Hexanone                | 10.965 | 43   | 47102    | 59.040 | ug/L  | 100      |
| 49) Dibromochloromethane      | 11.123 | 129  | 69730    | 27.690 | ug/L  | 92       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 55096    | 26.723 | ug/L  | 97       |
| 51) Chlorobenzene             | 11.654 | 112  | 218438   | 24.665 | ug/L  | 96       |
| 52) Ethylbenzene              | 11.727 | 91   | 365655   | 24.357 | ug/L  | 99       |
| 53) m,p-Xylene                | 11.836 | 106  | 143273   | 24.335 | ug/L  | 95       |
| 54) o-Xylene                  | 12.160 | 106  | 133949   | 24.258 | ug/L  | 96       |
| 55) Styrene                   | 12.178 | 104  | 234584   | 25.506 | ug/L  | 95       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 67426    | 28.505 | ug/L  | 95       |
| 59) Bromoform                 | 12.343 | 173  | 40165    | 25.908 | ug/L  | 100      |
| 60) Isopropylbenzene          | 12.458 | 105  | 376921   | 22.983 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 47489    | 27.091 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 315157   | 24.014 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 309699   | 24.115 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 178172   | 23.650 | ug/L  | 97       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 179952   | 23.493 | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 160461   | 24.114 | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 9864     | 28.343 | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 126991   | 23.474 | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 102792   | 23.530 | ug/L  | 100      |
| 71) Naphthalene               | 15.360 | 128  | 189599   | 27.929 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 84532    | 23.192 | ug/L  | 94       |

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

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