

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW092624\  
 Data File : VW030277.D  
 Acq On : 26 Sep 2024 22:31  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025494

Quant Time: Sep 27 04:44:14 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092624SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Sep 27 04:39:02 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 240461   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 222659   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.550 | 152   | 112709   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 61423    | 18.931   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 75.720%  |
| 7) Chloroethane-d5            | 2.905  | 69    | 43337    | 18.121   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 72.480%  |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 65    | 38331    | 23.850   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 95.400%  |
| 21) 2-Butanone-d5             | 7.081  | 46    | 42469    | 54.664   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 109.320% |
| 24) Chloroform-d              | 7.648  | 84    | 167376   | 23.508   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 94.040%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 86466    | 23.809   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 95.240%  |
| 32) Benzene-d6                | 8.276  | 84    | 343708   | 24.437   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 97.760%  |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 103637   | 23.799   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 95.200%  |
| 41) Toluene-d8                | 10.325 | 98    | 311170   | 24.894   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 99.560%  |
| 43) trans-1,3-Dichloroprop... | 10.574 | 79    | 40965    | 24.819   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 99.280%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 37350    | 61.275   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 122.540% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 78825    | 26.501   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 106.000% |
| 66) 1,2-Dichlorobenzene-d4    | 13.854 | 152   | 99666    | 25.410   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 101.640% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 61269    | 23.686   | ug/L   | 93       |
| 3) Chloromethane              | 2.222  | 50    | 61287    | 16.592   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.381  | 62    | 62947    | 16.914   | ug/L   | 97       |
| 6) Bromomethane               | 2.795  | 94    | 39469    | 17.482   | ug/L   | 96       |
| 8) Chloroethane               | 2.936  | 64    | 35160    | 16.143   | ug/L   | 95       |
| 9) Trichlorofluoromethane     | 3.271  | 101   | 67758    | 20.605   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101   | 68422    | 21.056   | ug/L # | 76       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 71857    | 23.456   | ug/L   | 93       |
| 13) Acetone                   | 4.131  | 43    | 35491    | 32.046   | ug/L   | 95       |
| 14) Carbon disulfide          | 4.393  | 76    | 236609   | 21.513   | ug/L   | 100      |
| 15) Methyl Acetate            | 4.679  | 43    | 34067    | 22.333   | ug/L   | 97       |
| 16) Methylene chloride        | 4.923  | 84    | 79734    | 21.648   | ug/L   | 88       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 80170    | 23.077   | ug/L   | 93       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 123809   | 26.011   | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 6.222  | 63    | 151487   | 21.628   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 86146    | 23.156   | ug/L   | 98       |
| 22) 2-Butanone                | 7.179  | 43    | 50774    | 40.304   | ug/L   | 96       |
| 23) Bromochloromethane        | 7.520  | 128   | 37034    | 24.400   | ug/L   | 86       |
| 25) Chloroform                | 7.679  | 83    | 147842   | 21.692   | ug/L   | 96       |

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Quant Time: Sep 27 04:44:14 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092624SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Sep 27 04:39:02 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 97713    | 22.140 | ug/L   | 100      |
| 29) Cyclohexane               | 7.959  | 56   | 134206   | 23.688 | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 118290   | 21.462 | ug/L   | 96       |
| 31) Carbon tetrachloride      | 8.075  | 117  | 107695   | 21.567 | ug/L   | 95       |
| 33) Benzene                   | 8.325  | 78   | 334900   | 21.949 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 87300    | 22.057 | ug/L   | 95       |
| 35) Methylcyclohexane         | 9.331  | 83   | 147389   | 23.681 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 87581    | 21.656 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.648  | 83   | 103034   | 21.875 | ug/L # | 95       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 131742   | 22.941 | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 97808    | 49.027 | ug/L   | 95       |
| 42) Toluene                   | 10.386 | 91   | 356178   | 22.620 | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 109164   | 23.395 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 62420    | 24.227 | ug/L   | 96       |
| 46) Tetrachloroethene         | 10.861 | 164  | 67986    | 24.563 | ug/L   | 85       |
| 48) 2-Hexanone                | 10.965 | 43   | 71480    | 42.606 | ug/L   | 96       |
| 49) Dibromochloromethane      | 11.129 | 129  | 67122    | 24.274 | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 58682    | 24.240 | ug/L # | 98       |
| 51) Chlorobenzene             | 11.654 | 112  | 222532   | 22.984 | ug/L   | 99       |
| 52) Ethylbenzene              | 11.727 | 91   | 406367   | 22.834 | ug/L   | 96       |
| 53) m,p-Xylene                | 11.836 | 106  | 153015   | 23.727 | ug/L   | 89       |
| 54) o-Xylene                  | 12.166 | 106  | 144479   | 23.851 | ug/L   | 95       |
| 55) Styrene                   | 12.178 | 104  | 248594   | 24.378 | ug/L   | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 73287    | 24.035 | ug/L   | 98       |
| 59) Bromoform                 | 12.349 | 173  | 38788    | 24.718 | ug/L   | 99       |
| 60) Isopropylbenzene          | 12.458 | 105  | 401476   | 23.318 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 53266    | 24.044 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 328338   | 24.502 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 321478   | 24.463 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 167203   | 22.830 | ug/L   | 95       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 170490   | 22.751 | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 149145   | 23.377 | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 11993    | 24.586 | ug/L # | 81       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 119293   | 24.940 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 99844    | 25.777 | ug/L   | 98       |
| 71) Naphthalene               | 15.354 | 128  | 204137   | 30.364 | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 89819    | 26.591 | ug/L   | 98       |

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

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