

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW092024\  
 Data File : VW030166.D  
 Acq On : 20 Sep 2024 09:32  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025485

Quant Time: Sep 20 23:40:21 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM091624SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Sep 20 01:21:33 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.837  | 114   | 361879   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 343749   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 164458   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 88292    | 18.893   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 75.560%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 68375    | 20.724   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 82.880%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 46549    | 19.935   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 79.720%  |
| 21) 2-Butanone-d5             | 7.081  | 46    | 50923    | 45.001   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 90.000%  |
| 24) Chloroform-d              | 7.648  | 84    | 218083   | 21.918   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 87.680%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 108271   | 21.669   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 86.680%  |
| 32) Benzene-d6                | 8.276  | 84    | 430772   | 21.753   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 87.000%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 129532   | 21.185   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 84.760%  |
| 41) Toluene-d8                | 10.318 | 98    | 391397   | 22.055   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 88.240%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 52548    | 21.452   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 85.800%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 46332    | 49.521   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 99.040%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 101803   | 22.364   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 89.440%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 130343   | 23.347   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 93.400%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 84429    | 21.159   | ug/L   | 99       |
| 3) Chloromethane              | 2.222  | 50    | 77363    | 20.765   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.375  | 62    | 102457   | 22.315   | ug/L   | 97       |
| 6) Bromomethane               | 2.795  | 94    | 63078    | 22.933   | ug/L   | 97       |
| 8) Chloroethane               | 2.936  | 64    | 60548    | 22.096   | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 3.271  | 101   | 114408   | 21.128   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101   | 115251   | 23.478   | ug/L # | 67       |
| 12) 1,1-Dichloroethene        | 4.051  | 96    | 103457   | 23.950   | ug/L   | 76       |
| 13) Acetone                   | 4.137  | 43    | 61311    | 47.225   | ug/L   | 95       |
| 14) Carbon disulfide          | 4.393  | 76    | 262758   | 21.413   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.679  | 43    | 47632    | 22.687   | ug/L   | 96       |
| 16) Methylene chloride        | 4.923  | 84    | 123657   | 23.173   | ug/L   | 93       |
| 17) trans-1,2-Dichloroethene  | 5.435  | 96    | 113886   | 23.915   | ug/L   | 88       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 198589   | 26.461   | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 6.222  | 63    | 227948   | 23.574   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 137406   | 26.292   | ug/L   | 94       |
| 22) 2-Butanone                | 7.173  | 43    | 73322    | 47.710   | ug/L   | 96       |
| 23) Bromochloromethane        | 7.514  | 128   | 59969    | 25.677   | ug/L # | 86       |
| 25) Chloroform                | 7.679  | 83    | 239972   | 24.434   | ug/L   | 99       |

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 Quant Title : SFAM01.0  
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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 145237   | 23.583 | ug/L   | 97       |
| 29) Cyclohexane               | 7.959  | 56   | 165612   | 22.613 | ug/L   | 97       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 194630   | 23.408 | ug/L   | 96       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 170210   | 22.528 | ug/L   | 100      |
| 33) Benzene                   | 8.325  | 78   | 498612   | 23.724 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 135164   | 23.824 | ug/L   | 96       |
| 35) Methylcyclohexane         | 9.331  | 83   | 205730   | 23.521 | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 131373   | 23.062 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 169338   | 23.608 | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 10.068 | 75   | 205091   | 24.611 | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 141450   | 48.597 | ug/L   | 97       |
| 42) Toluene                   | 10.386 | 91   | 547280   | 24.541 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 173760   | 24.787 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 100217   | 24.178 | ug/L   | 96       |
| 46) Tetrachloroethene         | 10.861 | 164  | 102188   | 24.410 | ug/L   | 95       |
| 48) 2-Hexanone                | 10.965 | 43   | 107788   | 48.156 | ug/L   | 94       |
| 49) Dibromochloromethane      | 11.129 | 129  | 110349   | 24.461 | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 93714    | 24.520 | ug/L   | 91       |
| 51) Chlorobenzene             | 11.654 | 112  | 339184   | 23.548 | ug/L   | 98       |
| 52) Ethylbenzene              | 11.727 | 91   | 623286   | 24.416 | ug/L   | 98       |
| 53) m,p-Xylene                | 11.836 | 106  | 238561   | 25.328 | ug/L   | 91       |
| 54) o-Xylene                  | 12.160 | 106  | 226489   | 25.554 | ug/L   | 95       |
| 55) Styrene                   | 12.178 | 104  | 393615   | 25.604 | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 116959   | 23.640 | ug/L   | 98       |
| 59) Bromoform                 | 12.349 | 173  | 65804    | 25.282 | ug/L   | 98       |
| 60) Isopropylbenzene          | 12.458 | 105  | 638676   | 26.376 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 12.769 | 75   | 83036    | 24.270 | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 517422   | 29.155 | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 504560   | 27.347 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 278030   | 25.908 | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 288955   | 26.063 | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 254834   | 26.349 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 17846    | 23.917 | ug/L # | 85       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 194662   | 25.988 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 157230   | 25.913 | ug/L   | 96       |
| 71) Naphthalene               | 15.360 | 128  | 314220   | 28.518 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 138058   | 25.947 | ug/L   | 99       |

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

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