

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW100124\  
 Data File : VW030322.D  
 Acq On : 01 Oct 2024 19:44  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025498

Quant Time: Oct 02 07:44:15 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092724SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Oct 01 01:01:52 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 153906   | 25.000   | ug/L       | 0.00     |
| 28) Chlorobenzene-d5          | 11.635 | 117   | 144797   | 25.000   | ug/L       | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 71887    | 25.000   | ug/L       | 0.00     |
|                               |        |       |          |          |            |          |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 38304    | 31.849   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | = 127.400% |          |
| 7) Chloroethane-d5            | 2.899  | 69    | 30505    | 34.861   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | = 139.440% |          |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 65    | 23938    | 27.268   | ug/L       | 0.01     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | = 109.080% |          |
| 21) 2-Butanone-d5             | 7.081  | 46    | 29166    | 60.304   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | = 120.600% |          |
| 24) Chloroform-d              | 7.654  | 84    | 118330   | 28.619   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | = 114.480% |          |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 65724    | 30.454   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | = 121.800% |          |
| 32) Benzene-d6                | 8.276  | 84    | 221544   | 27.299   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | = 109.200% |          |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 69673    | 28.545   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | = 114.160% |          |
| 41) Toluene-d8                | 10.325 | 98    | 204459   | 27.475   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | = 109.920% |          |
| 43) trans-1,3-Dichloroprop... | 10.581 | 79    | 28345    | 27.919   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | = 111.680% |          |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 23957    | 59.438   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | = 118.880% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 52928    | 29.019   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | = 116.080% |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.849 | 152   | 65578    | 27.476   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | = 109.920% |          |
|                               |        |       |          |          |            |          |
| Target Compounds              |        |       |          |          | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 46519    | 27.653   | ug/L       | 97       |
| 3) Chloromethane              | 2.229  | 50    | 42121    | 31.962   | ug/L       | 99       |
| 5) Vinyl chloride             | 2.375  | 62    | 46093    | 32.901   | ug/L       | 96       |
| 6) Bromomethane               | 2.796  | 94    | 29109    | 31.218   | ug/L       | 94       |
| 8) Chloroethane               | 2.936  | 64    | 26627    | 34.837   | ug/L       | 97       |
| 9) Trichlorofluoromethane     | 3.271  | 101   | 54493    | 30.194   | ug/L       | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101   | 52363    | 29.123   | ug/L       | 97       |
| 12) 1,1-Dichloroethene        | 4.051  | 96    | 48113    | 26.908   | ug/L       | 89       |
| 13) Acetone                   | 4.125  | 43    | 30500    | 59.449   | ug/L       | 98       |
| 14) Carbon disulfide          | 4.393  | 76    | 164609   | 27.683   | ug/L       | 99       |
| 15) Methyl Acetate            | 4.673  | 43    | 24858    | 29.706   | ug/L       | 96       |
| 16) Methylene chloride        | 4.917  | 84    | 57217    | 24.154   | ug/L       | 92       |
| 17) trans-1,2-Dichloroethene  | 5.435  | 96    | 55304    | 26.644   | ug/L       | 92       |
| 18) Methyl tert-butyl Ether   | 5.435  | 73    | 92655    | 28.065   | ug/L       | 98       |
| 19) 1,1-Dichloroethane        | 6.222  | 63    | 111519   | 28.212   | ug/L       | 97       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 61569    | 26.847   | ug/L       | 97       |
| 22) 2-Butanone                | 7.173  | 43    | 36941    | 56.325   | ug/L       | 100      |
| 23) Bromochloromethane        | 7.520  | 128   | 26440    | 26.409   | ug/L       | 97       |
| 25) Chloroform                | 7.679  | 83    | 115635   | 28.207   | ug/L       | 99       |

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 Quant Title : SFAM01.0  
 QLast Update : Tue Oct 01 01:01:52 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.404  | 62   | 78182    | 28.757 | ug/L  | 100      |
| 29) Cyclohexane               | 7.959  | 56   | 92050    | 28.839 | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 94263    | 28.103 | ug/L  | 97       |
| 31) Carbon tetrachloride      | 8.075  | 117  | 83542    | 27.868 | ug/L  | 96       |
| 33) Benzene                   | 8.325  | 78   | 244960   | 27.775 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 62884    | 26.806 | ug/L  | 98       |
| 35) Methylcyclohexane         | 9.337  | 83   | 102586   | 28.495 | ug/L  | 96       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 64115    | 27.553 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.648  | 83   | 81663    | 27.953 | ug/L  | 95       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 98139    | 27.505 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 70912    | 59.248 | ug/L  | 98       |
| 42) Toluene                   | 10.386 | 91   | 264476   | 28.012 | ug/L  | 94       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 82442    | 27.885 | ug/L  | 95       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 43233    | 26.364 | ug/L  | 98       |
| 46) Tetrachloroethene         | 10.861 | 164  | 45016    | 25.655 | ug/L  | 92       |
| 48) 2-Hexanone                | 10.965 | 43   | 54850    | 62.236 | ug/L  | 97       |
| 49) Dibromochloromethane      | 11.129 | 129  | 50512    | 27.372 | ug/L  | 88       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 41512    | 26.754 | ug/L  | 98       |
| 51) Chlorobenzene             | 11.654 | 112  | 162676   | 26.662 | ug/L  | 97       |
| 52) Ethylbenzene              | 11.727 | 91   | 299679   | 28.018 | ug/L  | 100      |
| 53) m,p-Xylene                | 11.837 | 106  | 109394   | 27.397 | ug/L  | 100      |
| 54) o-Xylene                  | 12.166 | 106  | 107549   | 28.299 | ug/L  | 100      |
| 55) Styrene                   | 12.178 | 104  | 181204   | 27.950 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.715 | 83   | 52808    | 27.497 | ug/L  | 97       |
| 59) Bromoform                 | 12.349 | 173  | 27210    | 26.127 | ug/L  | 97       |
| 60) Isopropylbenzene          | 12.459 | 105  | 296501   | 29.059 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 38924    | 28.482 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 246012   | 29.808 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 239557   | 29.378 | ug/L  | 97       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 120695   | 26.469 | ug/L  | 96       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 125530   | 26.948 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 115233   | 28.346 | ug/L  | 87       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 8567     | 27.360 | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 85732    | 27.241 | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 67595    | 25.941 | ug/L  | 94       |
| 71) Naphthalene               | 15.360 | 128  | 131774   | 27.648 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 58474    | 25.637 | ug/L  | 95       |

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

