

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW110124\  
 Data File : VW030891.D  
 Acq On : 01 Nov 2024 17:23  
 Operator : SY/MD  
 Sample : P4585-07MS  
 Misc : 4.60g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Nov 04 00:55:34 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100924SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Nov 01 03:09:59 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 561682   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 464620   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 205317   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 185334   | 20.992   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 83.960%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 158018   | 23.645   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 94.560%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 81644    | 22.233   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 88.920%  |
| 21) 2-Butanone-d5             | 7.081  | 46    | 61993    | 39.018   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 78.040%  |
| 24) Chloroform-d              | 7.648  | 84    | 383254   | 23.859   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 95.440%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 191394   | 22.914   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 91.640%  |
| 32) Benzene-d6                | 8.270  | 84    | 713264   | 26.450   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 105.800% |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 210656   | 26.615   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 106.480% |
| 41) Toluene-d8                | 10.318 | 98    | 604800   | 24.568   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 98.280%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 80029    | 24.147   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 96.600%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 50644    | 49.678   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 99.360%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 144176   | 24.804   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 99.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.854 | 152   | 170730   | 24.576   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 98.320%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 112953   | 15.740   | ug/L   | 89       |
| 3) Chloromethane              | 2.222  | 50    | 164170   | 19.683   | ug/L   | 98       |
| 5) Vinyl chloride             | 2.375  | 62    | 187940   | 18.323   | ug/L   | 99       |
| 6) Bromomethane               | 2.789  | 94    | 122704   | 18.175   | ug/L   | 95       |
| 8) Chloroethane               | 2.936  | 64    | 116453   | 18.573   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 161969   | 17.648   | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101   | 148272   | 17.957   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 138531   | 18.383   | ug/L   | 90       |
| 13) Acetone                   | 4.118  | 43    | 51880    | 22.303   | ug/L   | 92       |
| 14) Carbon disulfide          | 4.393  | 76    | 425443   | 17.288   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.673  | 43    | 47638    | 16.579   | ug/L   | 98       |
| 16) Methylene chloride        | 4.917  | 84    | 149825   | 17.644   | ug/L   | 94       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 151359   | 18.614   | ug/L   | 94       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 218647   | 19.212   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 288046   | 19.059   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 163776   | 18.883   | ug/L   | 97       |
| 22) 2-Butanone                | 7.167  | 43    | 67809    | 27.044   | ug/L   | 100      |
| 23) Bromochloromethane        | 7.514  | 128   | 69332    | 18.273   | ug/L   | 93       |
| 25) Chloroform                | 7.679  | 83    | 299593   | 18.550   | ug/L   | 99       |

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 Quant Title : SFAM01.0  
 QLast Update : Fri Nov 01 03:09:59 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 186490   | 17.503 | ug/L  | 100      |
| 29) Cyclohexane               | 7.959  | 56   | 225965   | 19.979 | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 241901   | 19.613 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 217454   | 19.740 | ug/L  | 98       |
| 33) Benzene                   | 8.325  | 78   | 627895   | 20.767 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 158564   | 18.850 | ug/L  | 98       |
| 35) Methylcyclohexane         | 9.337  | 83   | 258122   | 19.499 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 159337   | 21.100 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 206323   | 20.536 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 235625   | 20.686 | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 143911   | 39.669 | ug/L  | 99       |
| 42) Toluene                   | 10.386 | 91   | 636621   | 19.736 | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 187865   | 19.627 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 106251   | 19.468 | ug/L  | 96       |
| 46) Tetrachloroethene         | 10.861 | 164  | 105595   | 17.020 | ug/L  | 82       |
| 48) 2-Hexanone                | 10.965 | 43   | 100672   | 33.934 | ug/L  | 99       |
| 49) Dibromochloromethane      | 11.123 | 129  | 119743   | 19.664 | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 11.227 | 107  | 97881    | 19.220 | ug/L  | 99       |
| 51) Chlorobenzene             | 11.654 | 112  | 392487   | 18.902 | ug/L  | 97       |
| 52) Ethylbenzene              | 11.727 | 91   | 675534   | 18.353 | ug/L  | 100      |
| 53) m,p-Xylene                | 11.836 | 106  | 248669   | 18.033 | ug/L  | 98       |
| 54) o-Xylene                  | 12.160 | 106  | 241598   | 18.951 | ug/L  | 92       |
| 55) Styrene                   | 12.178 | 104  | 410767   | 18.848 | ug/L  | 94       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 116223   | 18.884 | ug/L  | 94       |
| 59) Bromoform                 | 12.349 | 173  | 63995    | 22.185 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.458 | 105  | 616039   | 19.375 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 81250    | 20.337 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 485124   | 19.339 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 474530   | 19.321 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 263027   | 19.005 | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 255288   | 17.864 | ug/L  | 90       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 242328   | 19.898 | ug/L  | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 17098    | 19.193 | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 149819   | 16.416 | ug/L  | 92       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 123632   | 16.827 | ug/L  | 99       |
| 71) Naphthalene               | 15.360 | 128  | 238914   | 18.822 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 109517   | 17.194 | ug/L  | 99       |

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

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