

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW100924\  
 Data File : VW030476.D  
 Acq On : 09 Oct 2024 16:11  
 Operator : SY/MD  
 Sample : VSTDICV025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VICV414

Quant Time: Oct 10 01:25:35 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100924SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Oct 10 01:20:08 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 378878   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 340962   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 168630   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 135727   | 22.791   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 91.160%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 106282   | 23.576   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 94.320%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 59525    | 24.031   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 96.120%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 45758    | 42.695   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 85.380%  |
| 24) Chloroform-d              | 7.648  | 84    | 266655   | 24.610   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 98.440%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 133694   | 23.729   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 94.920%  |
| 32) Benzene-d6                | 8.276  | 84    | 501547   | 25.344   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 101.360% |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 143774   | 24.753   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 99.000%  |
| 41) Toluene-d8                | 10.325 | 98    | 475606   | 26.327   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 105.320% |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 61972    | 25.480   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 101.920% |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 35300    | 47.185   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 94.380%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 100970   | 23.670   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 94.680%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 146762   | 25.722   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 102.880% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.021  | 85    | 124774   | 25.776   | ug/L   | 99       |
| 3) Chloromethane              | 2.222  | 50    | 142125   | 25.262   | ug/L   | 100      |
| 5) Vinyl chloride             | 2.375  | 62    | 168473   | 24.350   | ug/L   | 98       |
| 6) Bromomethane               | 2.789  | 94    | 110035   | 24.163   | ug/L   | 93       |
| 8) Chloroethane               | 2.936  | 64    | 103508   | 24.473   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 3.271  | 101   | 147580   | 23.839   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101   | 128580   | 23.085   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 126938   | 24.972   | ug/L   | 93       |
| 13) Acetone                   | 4.118  | 43    | 80947    | 51.589   | ug/L   | 99       |
| 14) Carbon disulfide          | 4.387  | 76    | 417906   | 25.176   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.667  | 43    | 43593    | 22.491   | ug/L   | 98       |
| 16) Methylene chloride        | 4.917  | 84    | 134509   | 23.483   | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 137940   | 25.148   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 5.423  | 73    | 192853   | 25.122   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 253834   | 24.899   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 147147   | 25.151   | ug/L   | 99       |
| 22) 2-Butanone                | 7.167  | 43    | 80608    | 47.659   | ug/L   | 98       |
| 23) Bromochloromethane        | 7.514  | 128   | 60068    | 23.469   | ug/L   | 92       |
| 25) Chloroform                | 7.679  | 83    | 263871   | 24.221   | ug/L   | 99       |

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 Quant Title : SFAM01.0  
 QLast Update : Thu Oct 10 01:20:08 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 169704   | 23.612 | ug/L  | 98       |
| 29) Cyclohexane               | 7.953  | 56   | 216823   | 26.124 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 229195   | 25.322 | ug/L  | 97       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 203196   | 25.135 | ug/L  | 98       |
| 33) Benzene                   | 8.325  | 78   | 562948   | 25.371 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 153648   | 24.891 | ug/L  | 97       |
| 35) Methylcyclohexane         | 9.337  | 83   | 248606   | 25.591 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 138183   | 24.935 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 183855   | 24.936 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 219737   | 26.288 | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 125926   | 47.301 | ug/L  | 99       |
| 42) Toluene                   | 10.386 | 91   | 611191   | 25.820 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 178414   | 25.400 | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 94973    | 23.713 | ug/L  | 97       |
| 46) Tetrachloroethene         | 10.861 | 164  | 114924   | 25.242 | ug/L  | 98       |
| 48) 2-Hexanone                | 10.965 | 43   | 113869   | 52.302 | ug/L  | 99       |
| 49) Dibromochloromethane      | 11.129 | 129  | 107662   | 24.092 | ug/L  | 94       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 90138    | 24.119 | ug/L  | 98       |
| 51) Chlorobenzene             | 11.654 | 112  | 375922   | 24.670 | ug/L  | 97       |
| 52) Ethylbenzene              | 11.727 | 91   | 705521   | 26.120 | ug/L  | 98       |
| 53) m,p-Xylene                | 11.837 | 106  | 261793   | 25.870 | ug/L  | 95       |
| 54) o-Xylene                  | 12.166 | 106  | 249251   | 26.642 | ug/L  | 94       |
| 55) Styrene                   | 12.178 | 104  | 419065   | 26.202 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 105455   | 23.349 | ug/L  | 95       |
| 59) Bromoform                 | 12.343 | 173  | 56767    | 23.960 | ug/L  | 96       |
| 60) Isopropylbenzene          | 12.458 | 105  | 705455   | 27.014 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 73797    | 22.490 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 580011   | 28.153 | ug/L  | 97       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 559204   | 27.722 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 289563   | 25.474 | ug/L  | 93       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 291440   | 24.831 | ug/L  | 95       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 247077   | 24.701 | ug/L  | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 16216    | 22.163 | ug/L  | 98       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 194186   | 25.906 | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.123 | 180  | 152901   | 25.338 | ug/L  | 96       |
| 71) Naphthalene               | 15.360 | 128  | 267761   | 25.684 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 135933   | 25.985 | ug/L  | 98       |

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

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