

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW121624\  
 Data File : VW031258.D  
 Acq On : 16 Dec 2024 08:40  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025589

Quant Time: Dec 17 00:31:24 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM121324SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Dec 14 00:44:31 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|------------|----------|
| -----                         |        |       |          |          |            |          |
| Internal Standards            |        |       |          |          |            |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 706009   | 25.000   | ug/L       | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 600304   | 25.000   | ug/L       | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 291553   | 25.000   | ug/L       | 0.00     |
| System Monitoring Compounds   |        |       |          |          |            |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 277943   | 26.165   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | = 104.640% |          |
| 7) Chloroethane-d5            | 2.899  | 69    | 202163   | 25.727   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | = 102.920% |          |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 131202   | 26.038   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | = 104.160% |          |
| 21) 2-Butanone-d5             | 7.100  | 46    | 90373    | 45.175   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | = 90.340%  |          |
| 24) Chloroform-d              | 7.648  | 84    | 498319   | 25.761   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | = 103.040% |          |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 243673   | 25.082   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | = 100.320% |          |
| 32) Benzene-d6                | 8.270  | 84    | 978446   | 25.430   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | = 101.720% |          |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 282343   | 25.178   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | = 100.720% |          |
| 41) Toluene-d8                | 10.319 | 98    | 901672   | 25.190   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | = 100.760% |          |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 125319   | 24.237   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | = 96.960%  |          |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 68979    | 45.741   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | = 91.480%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 162757   | 23.117   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | = 92.480%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 260188   | 24.039   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | = 96.160%  |          |
| Target Compounds              |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 166409   | 26.080   | ug/L       | 93       |
| 3) Chloromethane              | 2.216  | 50    | 181054   | 25.258   | ug/L       | 100      |
| 5) Vinyl chloride             | 2.369  | 62    | 264148   | 26.591   | ug/L       | 96       |
| 6) Bromomethane               | 2.789  | 94    | 161970   | 26.521   | ug/L       | 99       |
| 8) Chloroethane               | 2.930  | 64    | 159696   | 27.032   | ug/L       | 98       |
| 9) Trichlorofluoromethane     | 3.271  | 101   | 305228   | 28.842   | ug/L       | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101   | 225290   | 26.363   | ug/L       | 96       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 222630   | 25.722   | ug/L       | 86       |
| 13) Acetone                   | 4.173  | 43    | 130230   | 46.744   | ug/L #     | 100      |
| 14) Carbon disulfide          | 4.387  | 76    | 728457   | 25.807   | ug/L       | 100      |
| 15) Methyl Acetate            | 4.691  | 43    | 70898    | 22.405   | ug/L       | 100      |
| 16) Methylene chloride        | 4.917  | 84    | 218015   | 24.543   | ug/L       | 98       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 238627   | 25.578   | ug/L       | 95       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 372864   | 23.906   | ug/L       | 99       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 448112   | 25.704   | ug/L       | 98       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 260369   | 25.795   | ug/L       | 99       |
| 22) 2-Butanone                | 7.191  | 43    | 145538   | 43.113   | ug/L       | 98       |
| 23) Bromochloromethane        | 7.514  | 128   | 101473   | 25.206   | ug/L       | 96       |
| 25) Chloroform                | 7.679  | 83    | 453573   | 26.361   | ug/L       | 99       |

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 MSVOA\_W  
 ClientSampleId :  
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 Quant Title : SFAM01.0  
 QLast Update : Sat Dec 14 00:44:31 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 272507   | 25.192 | ug/L  | 100      |
| 29) Cyclohexane               | 7.953  | 56   | 411976   | 25.306 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.868  | 97   | 402354   | 25.932 | ug/L  | 100      |
| 31) Carbon tetrachloride      | 8.069  | 117  | 363055   | 26.264 | ug/L  | 97       |
| 33) Benzene                   | 8.325  | 78   | 953790   | 25.710 | ug/L  | 100      |
| 34) Trichloroethene           | 9.087  | 95   | 269749   | 25.756 | ug/L  | 95       |
| 35) Methylcyclohexane         | 9.331  | 83   | 468185   | 25.669 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 235821   | 25.482 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 305397   | 25.384 | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 400815   | 25.630 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 219263   | 44.657 | ug/L  | 99       |
| 42) Toluene                   | 10.386 | 91   | 1040771  | 25.768 | ug/L  | 97       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 318821   | 24.968 | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 151936   | 24.682 | ug/L  | 95       |
| 46) Tetrachloroethene         | 10.861 | 164  | 193903   | 25.275 | ug/L  | 91       |
| 48) 2-Hexanone                | 10.965 | 43   | 204600   | 48.996 | ug/L  | 99       |
| 49) Dibromochloromethane      | 11.123 | 129  | 182829   | 25.056 | ug/L  | 92       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 142690   | 24.470 | ug/L  | 97       |
| 51) Chlorobenzene             | 11.654 | 112  | 654099   | 25.829 | ug/L  | 97       |
| 52) Ethylbenzene              | 11.727 | 91   | 1215346  | 25.963 | ug/L  | 96       |
| 53) m,p-Xylene                | 11.837 | 106  | 458576   | 25.734 | ug/L  | 96       |
| 54) o-Xylene                  | 12.160 | 106  | 433309   | 25.800 | ug/L  | 100      |
| 55) Styrene                   | 12.178 | 104  | 705960   | 25.271 | ug/L  | 92       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 160825   | 24.236 | ug/L  | 98       |
| 59) Bromoform                 | 12.349 | 173  | 96185    | 23.484 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.458 | 105  | 1226809  | 25.713 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 116261   | 23.304 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.934 | 105  | 1010613  | 24.984 | ug/L  | 96       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 987522   | 25.259 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 473399   | 24.490 | ug/L  | 86       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 475549   | 24.829 | ug/L  | 94       |
| 67) 1,2-Dichlorobenzene       | 13.861 | 146  | 405130   | 24.324 | ug/L  | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 28407    | 22.437 | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 345019   | 25.484 | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 269860   | 23.962 | ug/L  | 96       |
| 71) Naphthalene               | 15.354 | 128  | 447050   | 22.642 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 221128   | 24.370 | ug/L  | 100      |

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

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