

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW110624\  
 Data File : VW030948.D  
 Acq On : 06 Nov 2024 18:06  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025554

Quant Time: Nov 07 04:00:22 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM110424SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Nov 07 03:58:00 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 438647   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 401720   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 202380   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65    | 144359   | 20.066   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 80.280%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 117602   | 21.314   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 85.240%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 65846    | 22.181   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 88.720%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 67998    | 57.435   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 114.880% |
| 24) Chloroform-d              | 7.648  | 84    | 330365   | 25.547   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 102.200% |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 164539   | 25.591   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 102.360% |
| 32) Benzene-d6                | 8.276  | 84    | 643950   | 25.803   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 103.200% |
| 36) 1,2-Dichloropropane-d6    | 9.276  | 67    | 192652   | 26.186   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 104.760% |
| 41) Toluene-d8                | 10.319 | 98    | 581909   | 25.995   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 104.000% |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 75405    | 25.285   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 101.160% |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 58893    | 61.766   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 123.540% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 144962   | 28.281   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 113.120% |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152   | 193797   | 26.289   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 105.160% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 97102    | 20.782   | ug/L   | # 87     |
| 3) Chloromethane              | 2.222  | 50    | 135570   | 21.533   | ug/L   | 98       |
| 5) Vinyl chloride             | 2.375  | 62    | 165428   | 22.171   | ug/L   | 100      |
| 6) Bromomethane               | 2.789  | 94    | 111069   | 22.671   | ug/L   | 94       |
| 8) Chloroethane               | 2.936  | 64    | 104180   | 23.032   | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 3.265  | 101   | 146243   | 21.476   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076  | 101   | 142675   | 22.760   | ug/L   | # 79     |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 145320   | 25.631   | ug/L   | 89       |
| 13) Acetone                   | 4.118  | 43    | 60112    | 41.572   | ug/L   | 95       |
| 14) Carbon disulfide          | 4.387  | 76    | 457194   | 24.530   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.667  | 43    | 59536    | 28.070   | ug/L   | 99       |
| 16) Methylene chloride        | 4.923  | 84    | 162181   | 26.152   | ug/L   | 95       |
| 17) trans-1,2-Dichloroethene  | 5.435  | 96    | 160968   | 25.879   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 237218   | 28.256   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 295361   | 25.447   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 176200   | 26.703   | ug/L   | 96       |
| 22) 2-Butanone                | 7.167  | 43    | 82581    | 50.998   | ug/L   | 99       |
| 23) Bromochloromethane        | 7.514  | 128   | 78280    | 27.089   | ug/L   | 98       |
| 25) Chloroform                | 7.679  | 83    | 311438   | 25.501   | ug/L   | 93       |

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 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025554

Quant Time: Nov 07 04:00:22 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM110424SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Nov 07 03:58:00 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 191822   | 25.220 | ug/L  | 98       |
| 29) Cyclohexane               | 7.953  | 56   | 233967   | 24.303 | ug/L  | 97       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 244568   | 23.700 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 216092   | 23.304 | ug/L  | 97       |
| 33) Benzene                   | 8.325  | 78   | 674806   | 26.061 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 177380   | 24.843 | ug/L  | 94       |
| 35) Methylcyclohexane         | 9.337  | 83   | 277517   | 24.523 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 172400   | 26.641 | ug/L  | 98       |
| 38) Bromodichloromethane      | 9.648  | 83   | 218912   | 25.760 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 258584   | 26.712 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 166097   | 56.126 | ug/L  | 99       |
| 42) Toluene                   | 10.386 | 91   | 732721   | 26.723 | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 210103   | 26.126 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 126629   | 27.262 | ug/L  | 96       |
| 46) Tetrachloroethene         | 10.861 | 164  | 131688   | 24.126 | ug/L  | 87       |
| 48) 2-Hexanone                | 10.965 | 43   | 119574   | 53.109 | ug/L  | 96       |
| 49) Dibromochloromethane      | 11.123 | 129  | 140475   | 27.738 | ug/L  | 96       |
| 50) 1,2-Dibromoethane         | 11.239 | 107  | 113516   | 26.501 | ug/L  | 96       |
| 51) Chlorobenzene             | 11.654 | 112  | 460406   | 26.237 | ug/L  | 96       |
| 52) Ethylbenzene              | 11.727 | 91   | 817572   | 26.389 | ug/L  | 100      |
| 53) m,p-Xylene                | 11.837 | 106  | 308592   | 26.484 | ug/L  | 97       |
| 54) o-Xylene                  | 12.166 | 106  | 298144   | 27.808 | ug/L  | 89       |
| 55) Styrene                   | 12.178 | 104  | 508804   | 27.775 | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 141529   | 27.920 | ug/L  | 98       |
| 59) Bromoform                 | 12.349 | 173  | 74416    | 25.751 | ug/L  | 98       |
| 60) Isopropylbenzene          | 12.458 | 105  | 787910   | 25.523 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 99451    | 26.211 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 640583   | 26.355 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 640365   | 27.053 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 349470   | 25.782 | ug/L  | 94       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 353778   | 25.422 | ug/L  | 93       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 320121   | 26.498 | ug/L  | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 20825    | 25.925 | ug/L  | 92       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 225404   | 25.059 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 182970   | 25.617 | ug/L  | 98       |
| 71) Naphthalene               | 15.360 | 128  | 339799   | 29.347 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.543 | 180  | 161330   | 26.209 | ug/L  | 98       |

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

