

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW081621\  
 Data File : VW019750.D  
 Acq On : 16 Aug 2021 16:24  
 Operator : SY/VA  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025512

Quant Time: Aug 17 01:54:05 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081121SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Aug 17 01:50:39 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 325301   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 308686   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 163446   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.361  | 65    | 89429    | 23.542   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 94.160%  |
| 7) Chloroethane-d5            | 2.898  | 69    | 99679    | 26.548   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 106.200% |
| 11) 1,1-Dichloroethene-d2     | 4.032  | 63    | 170072   | 21.759   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 87.040%  |
| 21) 2-Butanone-d5             | 7.080  | 46    | 74136    | 59.759   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 119.520% |
| 24) Chloroform-d              | 7.653  | 84    | 237129   | 24.112   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 96.440%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 133332   | 23.289   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 93.160%  |
| 32) Benzene-d6                | 8.275  | 84    | 414286   | 20.270   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 81.080%  |
| 36) 1,2-Dichloropropane-d6    | 9.275  | 67    | 137493   | 22.361   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 89.440%  |
| 41) Toluene-d8                | 10.323 | 98    | 359416   | 19.278   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 77.120%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 58249    | 22.944   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 91.760%  |
| 47) 2-Hexanone-d5             | 10.927 | 63    | 61759    | 57.255   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 114.520% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695 | 84    | 136582   | 25.600   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 102.400% |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 150125   | 24.904   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 99.600%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.014  | 85    | 79735    | 22.388   | ug/L   | 94       |
| 3) Chloromethane              | 2.221  | 50    | 92403    | 25.643   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.373  | 62    | 135356   | 27.880   | ug/L   | 95       |
| 6) Bromomethane               | 2.788  | 94    | 102163   | 26.863   | ug/L   | 99       |
| 8) Chloroethane               | 2.934  | 64    | 92585    | 28.360   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.270  | 101   | 90462    | 30.099   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.074  | 101   | 107597   | 26.864   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 4.044  | 96    | 100620   | 25.813   | ug/L   | 95       |
| 13) Acetone                   | 4.129  | 43    | 50273    | 49.301   | ug/L   | 87       |
| 14) Carbon disulfide          | 4.391  | 76    | 265032   | 23.881   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.678  | 43    | 49441    | 25.925   | ug/L   | 100      |
| 16) Methylene chloride        | 4.922  | 84    | 141891   | 26.101   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 5.428  | 96    | 106390   | 24.968   | ug/L   | 95       |
| 18) Methyl tert-butyl Ether   | 5.428  | 73    | 142144   | 22.960   | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 6.220  | 63    | 204869   | 22.878   | ug/L   | 94       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 119723   | 24.793   | ug/L   | 98       |
| 22) 2-Butanone                | 7.171  | 43    | 66998    | 49.117   | ug/L   | 99       |
| 23) Bromochloromethane        | 7.519  | 128   | 55331    | 24.764   | ug/L   | 95       |
| 25) Chloroform                | 7.677  | 83    | 217175   | 23.678   | ug/L   | 100      |

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 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025512

Quant Time: Aug 17 01:54:05 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081121SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Aug 17 01:50:39 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 144795   | 22.601 | ug/L   | 99       |
| 29) Cyclohexane               | 7.958  | 56   | 161435   | 21.104 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 7.878  | 97   | 167377   | 21.178 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.074  | 117  | 157100   | 21.539 | ug/L   | 99       |
| 33) Benzene                   | 8.324  | 78   | 463385   | 21.661 | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 117132   | 22.084 | ug/L   | 95       |
| 35) Methylcyclohexane         | 9.336  | 83   | 192701   | 21.956 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.372  | 63   | 117520   | 21.982 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.646  | 83   | 155862   | 23.016 | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 181379   | 22.235 | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 142546   | 43.385 | ug/L   | 98       |
| 42) Toluene                   | 10.390 | 91   | 499755   | 22.252 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 10.610 | 75   | 164747   | 23.064 | ug/L   | 96       |
| 45) 1,1,2-Trichloroethane     | 10.787 | 97   | 91503    | 23.141 | ug/L   | 98       |
| 46) Tetrachloroethene         | 10.866 | 164  | 90034    | 22.577 | ug/L   | 99       |
| 48) 2-Hexanone                | 10.969 | 43   | 106610   | 47.165 | ug/L   | 97       |
| 49) Dibromochloromethane      | 11.128 | 129  | 104624   | 23.880 | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 11.238 | 107  | 85015    | 22.593 | ug/L # | 96       |
| 51) Chlorobenzene             | 11.658 | 112  | 316310   | 23.032 | ug/L   | 99       |
| 52) Ethylbenzene              | 11.731 | 91   | 540293   | 22.953 | ug/L   | 98       |
| 53) m,p-Xylene                | 11.841 | 106  | 209897   | 23.422 | ug/L   | 97       |
| 54) o-Xylene                  | 12.164 | 106  | 199064   | 23.018 | ug/L   | 98       |
| 55) Styrene                   | 12.183 | 104  | 346437   | 23.327 | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 114164   | 22.691 | ug/L   | 97       |
| 59) Bromoform                 | 12.347 | 173  | 56651    | 22.803 | ug/L   | 99       |
| 60) Isopropylbenzene          | 12.463 | 105  | 536275   | 23.993 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 83201    | 22.509 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.945 | 105  | 451494   | 24.256 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 455826   | 23.476 | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 239480   | 22.125 | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 247522   | 22.684 | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 228193   | 24.017 | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 17525    | 24.297 | ug/L   | 92       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 177194   | 25.627 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 139651   | 23.986 | ug/L   | 97       |
| 71) Naphthalene               | 15.365 | 128  | 295134   | 26.080 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 130161   | 25.275 | ug/L   | 98       |

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

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