

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120221\  
 Data File : VW021055.D  
 Acq On : 02 Dec 2021 20:12  
 Operator : SY/VA  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025505

Quant Time: Dec 03 02:27:27 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM111521SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 03 01:25:28 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|-------|-----------|
| -----                         |        |       |          |          |       |           |
| Internal Standards            |        |       |          |          |       |           |
| 1) 1,4-Difluorobenzene        | 8.841  | 114   | 96234    | 25.000   | ug/L  | # 0.00    |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 87396    | 25.000   | ug/L  | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 53189    | 25.000   | ug/L  | 0.00      |
| System Monitoring Compounds   |        |       |          |          |       |           |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 27173    | 24.343   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 97.360%   |
| 7) Chloroethane-d5            | 2.885  | 69    | 21097    | 29.304   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 117.200%  |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 48059    | 22.252   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =     | 89.000%   |
| 21) 2-Butanone-d5             | 7.074  | 46    | 18544    | 66.557   | ug/L  | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 133.120%  |
| 24) Chloroform-d              | 7.647  | 84    | 68945    | 28.434   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =     | 113.720%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 37395    | 30.383   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =     | 121.520%  |
| 32) Benzene-d6                | 8.275  | 84    | 126547   | 27.473   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =     | 109.880%  |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 36632    | 27.928   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =     | 111.720%  |
| 41) Toluene-d8                | 10.323 | 98    | 124538   | 27.240   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =     | 108.960%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 16951    | 27.341   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =     | 109.360%  |
| 47) 2-Hexanone-d5             | 10.920 | 63    | 15448    | 71.012   | ug/L  | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 142.020%# |
| 56) 1,1,2,2-Tetrachloroeth... | 12.694 | 84    | 34539    | 34.374   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =     | 137.480%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 50719    | 26.754   | ug/L  | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =     | 107.000%  |
| Target Compounds              |        |       |          |          |       |           |
|                               |        |       |          |          |       | Qvalue    |
| 2) Dichlorodifluoromethane    | 2.007  | 85    | 11588    | 41.607   | ug/L  | 97        |
| 3) Chloromethane              | 2.215  | 50    | 21808    | 25.755   | ug/L  | 99        |
| 5) Vinyl chloride             | 2.361  | 62    | 40957    | 27.965   | ug/L  | 99        |
| 6) Bromomethane               | 2.776  | 94    | 27720    | 34.133   | ug/L  | 97        |
| 8) Chloroethane               | 2.916  | 64    | 17881    | 29.041   | ug/L  | 95        |
| 9) Trichlorofluoromethane     | 3.251  | 101   | 16501    | 19.342   | ug/L  | 96        |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.056  | 101   | 33672    | 25.964   | ug/L  | 92        |
| 12) 1,1-Dichloroethene        | 4.037  | 96    | 29582    | 24.534   | ug/L  | 79        |
| 13) Acetone                   | 4.117  | 43    | 12383    | 49.779   | ug/L  | 91        |
| 14) Carbon disulfide          | 4.385  | 76    | 65895    | 20.207   | ug/L  | 97        |
| 15) Methyl Acetate            | 4.665  | 43    | 12682    | 28.428   | ug/L  | # 87      |
| 16) Methylene chloride        | 4.921  | 84    | 31939    | 23.797   | ug/L  | 80        |
| 17) trans-1,2-Dichloroethene  | 5.415  | 96    | 31043    | 23.888   | ug/L  | 88        |
| 18) Methyl tert-butyl Ether   | 5.421  | 73    | 53542    | 27.448   | ug/L  | 94        |
| 19) 1,1-Dichloroethane        | 6.214  | 63    | 54896    | 25.495   | ug/L  | 99        |
| 20) cis-1,2-Dichloroethene    | 7.165  | 96    | 36297    | 25.916   | ug/L  | 78        |
| 22) 2-Butanone                | 7.171  | 43    | 18254    | 54.009   | ug/L  | 88        |
| 23) Bromochloromethane        | 7.512  | 128   | 17633    | 27.539   | ug/L  | # 69      |
| 25) Chloroform                | 7.677  | 83    | 63115    | 26.818   | ug/L  | 100       |

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Quant Time: Dec 03 02:27:27 2021  
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 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 03 01:25:28 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.396  | 62   | 41423    | 29.067 | ug/L   | 97       |
| 29) Cyclohexane               | 7.951  | 56   | 45293    | 23.246 | ug/L # | 82       |
| 30) 1,1,1-Trichloroethane     | 7.866  | 97   | 53632    | 25.519 | ug/L   | 94       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 49282    | 24.775 | ug/L   | 100      |
| 33) Benzene                   | 8.323  | 78   | 127761   | 25.819 | ug/L   | 100      |
| 34) Trichloroethene           | 9.091  | 95   | 36358    | 26.269 | ug/L   | 88       |
| 35) Methylcyclohexane         | 9.329  | 83   | 53375    | 23.390 | ug/L   | 86       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 31378    | 27.246 | ug/L # | 96       |
| 38) Bromodichloromethane      | 9.640  | 83   | 45413    | 27.478 | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 51689    | 27.184 | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 41771    | 60.939 | ug/L # | 92       |
| 42) Toluene                   | 10.384 | 91   | 147302   | 26.465 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 46106    | 27.590 | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 27136    | 30.297 | ug/L   | 93       |
| 46) Tetrachloroethene         | 10.859 | 164  | 31580    | 24.850 | ug/L   | 88       |
| 48) 2-Hexanone                | 10.963 | 43   | 29130    | 61.352 | ug/L # | 92       |
| 49) Dibromochloromethane      | 11.128 | 129  | 33854    | 27.416 | ug/L   | 90       |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 26857    | 29.908 | ug/L # | 97       |
| 51) Chlorobenzene             | 11.652 | 112  | 101031   | 27.292 | ug/L   | 92       |
| 52) Ethylbenzene              | 11.731 | 91   | 169688   | 27.513 | ug/L   | 98       |
| 53) m,p-Xylene                | 11.835 | 106  | 67688    | 26.881 | ug/L   | 87       |
| 54) o-Xylene                  | 12.164 | 106  | 65855    | 27.232 | ug/L   | 99       |
| 55) Styrene                   | 12.176 | 104  | 111178   | 27.687 | ug/L   | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 31970    | 32.204 | ug/L # | 95       |
| 59) Bromoform                 | 12.347 | 173  | 18644    | 23.509 | ug/L   | 100      |
| 60) Isopropylbenzene          | 12.463 | 105  | 178966   | 24.704 | ug/L   | 97       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 23969    | 30.722 | ug/L   | 94       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 151710   | 24.824 | ug/L   | 95       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 151088   | 25.057 | ug/L   | 96       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 84164    | 24.780 | ug/L   | 94       |
| 65) 1,4-Dichlorobenzene       | 13.578 | 146  | 89875    | 26.232 | ug/L   | 93       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 77770    | 25.984 | ug/L   | 90       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 5163     | 27.680 | ug/L # | 76       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 65640    | 24.400 | ug/L   | 95       |
| 70) 1,2,4-trichlorobenzene    | 15.133 | 180  | 54659    | 24.836 | ug/L   | 95       |
| 71) Naphthalene               | 15.359 | 128  | 101561   | 28.321 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 46239    | 24.898 | ug/L   | 97       |

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

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