

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011322\  
 Data File : VW021898.D  
 Acq On : 13 Jan 2022 18:06  
 Operator : SY/VA  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025535

Quant Time: Jan 14 00:56:22 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM011122SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Jan 12 23:48:31 2022  
 Response via : Initial Calibration

| Compound                      |        | R.T.   | QIon     | Response | Conc        | Units  | Dev(Min) |
|-------------------------------|--------|--------|----------|----------|-------------|--------|----------|
| -----                         |        |        |          |          |             |        |          |
| Internal Standards            |        |        |          |          |             |        |          |
| 1) 1,4-Difluorobenzene        |        | 8.841  | 114      | 129165   | 25.000      | ug/L   | # 0.00   |
| 28) Chlorobenzene-d5          |        | 11.628 | 117      | 130630   | 25.000      | ug/L   | # 0.00   |
| 58) 1,4-Dichlorobenzene-d4    |        | 13.554 | 152      | 77226    | 25.000      | ug/L   | 0.00     |
| System Monitoring Compounds   |        |        |          |          |             |        |          |
| 4) Vinyl Chloride-d3          |        | 2.349  | 65       | 64526    | 26.878      | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 30 - 150 | Recovery | = 107.520%  |        |          |
| 7) Chloroethane-d5            |        | 2.879  | 69       | 50247    | 23.178      | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 30 - 150 | Recovery | = 92.720%   |        |          |
| 11) 1,1-Dichloroethene-d2     |        | 4.013  | 63       | 90895    | 23.982      | ug/L   | -0.01    |
| Spiked Amount                 | 25.000 | Range  | 45 - 110 | Recovery | = 95.920%   |        |          |
| 21) 2-Butanone-d5             |        | 7.080  | 46       | 23938    | 70.644      | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range  | 20 - 135 | Recovery | = 141.280%# |        |          |
| 24) Chloroform-d              |        | 7.647  | 84       | 107853   | 25.847      | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 40 - 150 | Recovery | = 103.400%  |        |          |
| 26) 1,2-Dichloroethane-d4     |        | 8.305  | 65       | 55780    | 27.682      | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 70 - 130 | Recovery | = 110.720%  |        |          |
| 32) Benzene-d6                |        | 8.275  | 84       | 216690   | 25.564      | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 20 - 135 | Recovery | = 102.240%  |        |          |
| 36) 1,2-Dichloropropane-d6    |        | 9.274  | 67       | 57167    | 25.588      | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 70 - 120 | Recovery | = 102.360%  |        |          |
| 41) Toluene-d8                |        | 10.323 | 98       | 215374   | 25.206      | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 30 - 130 | Recovery | = 100.840%  |        |          |
| 43) trans-1,3-Dichloroprop... |        | 10.579 | 79       | 26026    | 27.438      | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 30 - 135 | Recovery | = 109.760%  |        |          |
| 47) 2-Hexanone-d5             |        | 10.920 | 63       | 21833    | 72.020      | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range  | 20 - 135 | Recovery | = 144.040%# |        |          |
| 56) 1,1,2,2-Tetrachloroeth... |        | 12.688 | 84       | 51681    | 29.583      | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 45 - 120 | Recovery | = 118.320%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    |        | 13.847 | 152      | 81001    | 25.509      | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range  | 75 - 120 | Recovery | = 102.040%  |        |          |
| Target Compounds              |        |        |          |          |             |        |          |
|                               |        |        |          |          |             | Qvalue |          |
| 2) Dichlorodifluoromethane    |        | 2.007  | 85       | 22371    | 43.933      | ug/L   | 96       |
| 3) Chloromethane              |        | 2.209  | 50       | 43450    | 23.535      | ug/L   | 95       |
| 5) Vinyl chloride             |        | 2.355  | 62       | 65276    | 24.612      | ug/L   | 99       |
| 6) Bromomethane               |        | 2.769  | 94       | 44068    | 23.499      | ug/L   | 100      |
| 8) Chloroethane               |        | 2.916  | 64       | 35055    | 21.870      | ug/L   | 96       |
| 9) Trichlorofluoromethane     |        | 3.251  | 101      | 38580    | 19.575      | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... |        | 4.056  | 101      | 49786    | 23.207      | ug/L # | 83       |
| 12) 1,1-Dichloroethene        |        | 4.037  | 96       | 44940    | 23.310      | ug/L   | 78       |
| 13) Acetone                   |        | 4.123  | 43       | 15784    | 56.381      | ug/L   | 82       |
| 14) Carbon disulfide          |        | 4.379  | 76       | 112099   | 22.208      | ug/L   | 98       |
| 15) Methyl Acetate            |        | 4.672  | 43       | 15910    | 28.118      | ug/L # | 79       |
| 16) Methylene chloride        |        | 4.909  | 84       | 46732    | 21.141      | ug/L   | 77       |
| 17) trans-1,2-Dichloroethene  |        | 5.421  | 96       | 48397    | 23.231      | ug/L   | 80       |
| 18) Methyl tert-butyl Ether   |        | 5.427  | 73       | 66294    | 24.954      | ug/L # | 82       |
| 19) 1,1-Dichloroethane        |        | 6.214  | 63       | 75196    | 24.612      | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    |        | 7.171  | 96       | 53025    | 24.742      | ug/L   | 67       |
| 22) 2-Butanone                |        | 7.171  | 43       | 22216    | 62.083      | ug/L   | 79       |
| 23) Bromochloromethane        |        | 7.512  | 128      | 25867    | 24.257      | ug/L # | 60       |
| 25) Chloroform                |        | 7.677  | 83       | 87442    | 24.189      | ug/L   | 97       |

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Quant Time: Jan 14 00:56:22 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM011122SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Jan 12 23:48:31 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.396  | 62   | 53767    | 25.685 | ug/L   | 96       |
| 29) Cyclohexane               | 7.951  | 56   | 69386    | 23.743 | ug/L # | 75       |
| 30) 1,1,1-Trichloroethane     | 7.866  | 97   | 78814    | 23.277 | ug/L # | 92       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 75843    | 23.115 | ug/L   | 99       |
| 33) Benzene                   | 8.323  | 78   | 186442   | 23.276 | ug/L   | 100      |
| 34) Trichloroethene           | 9.091  | 95   | 53394    | 22.976 | ug/L   | 87       |
| 35) Methylcyclohexane         | 9.329  | 83   | 88929    | 23.270 | ug/L # | 81       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 41835    | 23.974 | ug/L # | 94       |
| 38) Bromodichloromethane      | 9.646  | 83   | 60114    | 24.678 | ug/L # | 96       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 69826    | 25.752 | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 48536    | 59.210 | ug/L # | 86       |
| 42) Toluene                   | 10.384 | 91   | 215967   | 24.040 | ug/L   | 95       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 61040    | 26.897 | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 37728    | 25.465 | ug/L   | 92       |
| 46) Tetrachloroethene         | 10.859 | 164  | 51187    | 22.275 | ug/L   | 93       |
| 48) 2-Hexanone                | 10.963 | 43   | 35059    | 62.509 | ug/L # | 88       |
| 49) Dibromochloromethane      | 11.128 | 129  | 47969    | 25.696 | ug/L   | 93       |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 38022    | 25.854 | ug/L # | 98       |
| 51) Chlorobenzene             | 11.652 | 112  | 150112   | 23.665 | ug/L   | 91       |
| 52) Ethylbenzene              | 11.731 | 91   | 238962   | 23.944 | ug/L   | 93       |
| 53) m,p-Xylene                | 11.835 | 106  | 99148    | 23.759 | ug/L   | 84       |
| 54) o-Xylene                  | 12.164 | 106  | 95073    | 24.540 | ug/L   | 92       |
| 55) Styrene                   | 12.176 | 104  | 159539   | 24.943 | ug/L   | 90       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 42748    | 26.817 | ug/L # | 98       |
| 59) Bromoform                 | 12.347 | 173  | 25632    | 24.344 | ug/L   | 99       |
| 60) Isopropylbenzene          | 12.463 | 105  | 254929   | 24.241 | ug/L   | 94       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 30622    | 27.747 | ug/L # | 90       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 215220   | 24.714 | ug/L   | 93       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 213273   | 24.832 | ug/L   | 94       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 121247   | 22.932 | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 13.578 | 146  | 122794   | 23.521 | ug/L   | 91       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 107486   | 23.219 | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 5910     | 27.730 | ug/L # | 63       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 87728    | 22.324 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 69060    | 22.055 | ug/L   | 90       |
| 71) Naphthalene               | 15.359 | 128  | 120618   | 24.971 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 54601    | 21.116 | ug/L   | 97       |

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

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