

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW020122\  
 Data File : VW022012.D  
 Acq On : 01 Feb 2022 17:44  
 Operator : SY/VA  
 Sample : VSTDICV025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VICV455

Quant Time: Feb 02 00:58:29 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM020122SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Feb 02 00:47:02 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.848  | 114   | 165048   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 154584   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 82723    | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.355  | 65    | 48355    | 24.323   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 97.280%  |
| 7) Chloroethane-d5            | 2.885  | 69    | 36405    | 23.786   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 95.160%  |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 79993    | 22.774   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 91.080%  |
| 21) 2-Butanone-d5             | 7.086  | 46    | 19685    | 55.824   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 111.640% |
| 24) Chloroform-d              | 7.647  | 84    | 93203    | 24.272   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 97.080%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 46824    | 24.509   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 98.040%  |
| 32) Benzene-d6                | 8.275  | 84    | 182264   | 23.332   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 93.320%  |
| 36) 1,2-Dichloropropane-d6    | 9.275  | 67    | 49083    | 23.100   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 92.400%  |
| 41) Toluene-d8                | 10.323 | 98    | 181967   | 23.503   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 94.000%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 22969    | 24.682   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 98.720%  |
| 47) 2-Hexanone-d5             | 10.921 | 63    | 17715    | 57.344   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 114.680% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.689 | 84    | 44980    | 25.955   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 103.800% |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 72736    | 24.374   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 97.480%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.014  | 85    | 11928    | 31.027   | ug/L   | 97       |
| 3) Chloromethane              | 2.215  | 50    | 42563    | 24.539   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.361  | 62    | 57415    | 23.047   | ug/L   | 97       |
| 6) Bromomethane               | 2.776  | 94    | 47502    | 22.423   | ug/L   | 96       |
| 8) Chloroethane               | 2.922  | 64    | 31276    | 24.431   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 3.263  | 101   | 39023    | 20.749   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.062  | 101   | 46931    | 23.552   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 4.044  | 96    | 44070    | 23.965   | ug/L   | 88       |
| 13) Acetone                   | 4.135  | 43    | 17586    | 53.400   | ug/L   | 75       |
| 14) Carbon disulfide          | 4.385  | 76    | 126948   | 23.667   | ug/L   | 96       |
| 15) Methyl Acetate            | 4.678  | 43    | 16315    | 27.091   | ug/L # | 87       |
| 16) Methylene chloride        | 4.916  | 84    | 45522    | 23.670   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 5.428  | 96    | 50208    | 24.484   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 5.434  | 73    | 70848    | 26.945   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.220  | 63    | 76676    | 24.134   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 53666    | 25.503   | ug/L   | 93       |
| 22) 2-Butanone                | 7.177  | 43    | 24517    | 57.499   | ug/L   | 100      |
| 23) Bromochloromethane        | 7.513  | 128   | 26154    | 25.241   | ug/L   | 92       |
| 25) Chloroform                | 7.677  | 83    | 87551    | 24.345   | ug/L   | 95       |

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 Quant Title : SFAM01.0  
 QLast Update : Wed Feb 02 00:47:02 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 54868    | 25.919 | ug/L   | 98       |
| 29) Cyclohexane               | 7.958  | 56   | 70383    | 23.195 | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 79615    | 23.272 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.074  | 117  | 77121    | 23.032 | ug/L   | 97       |
| 33) Benzene                   | 8.323  | 78   | 187592   | 23.145 | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 54170    | 23.508 | ug/L   | 99       |
| 35) Methylcyclohexane         | 9.335  | 83   | 88648    | 22.802 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 42635    | 23.951 | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.646  | 83   | 62147    | 24.447 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 72603    | 25.429 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 49430    | 56.596 | ug/L   | 100      |
| 42) Toluene                   | 10.390 | 91   | 218943   | 23.831 | ug/L   | 95       |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 64465    | 26.191 | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 38124    | 25.197 | ug/L   | 98       |
| 46) Tetrachloroethene         | 10.860 | 164  | 49591    | 23.088 | ug/L   | 94       |
| 48) 2-Hexanone                | 10.969 | 43   | 36670    | 56.409 | ug/L   | 98       |
| 49) Dibromochloromethane      | 11.128 | 129  | 48361    | 25.383 | ug/L   | 95       |
| 50) 1,2-Dibromoethane         | 11.232 | 107  | 37439    | 24.993 | ug/L   | 96       |
| 51) Chlorobenzene             | 11.658 | 112  | 152553   | 24.398 | ug/L   | 96       |
| 52) Ethylbenzene              | 11.731 | 91   | 243256   | 23.998 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.835 | 106  | 102206   | 24.302 | ug/L   | 100      |
| 54) o-Xylene                  | 12.164 | 106  | 96043    | 24.412 | ug/L   | 94       |
| 55) Styrene                   | 12.176 | 104  | 155898   | 24.532 | ug/L   | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 44385    | 26.951 | ug/L   | 95       |
| 59) Bromoform                 | 12.347 | 173  | 27377    | 25.058 | ug/L # | 98       |
| 60) Isopropylbenzene          | 12.463 | 105  | 257217   | 23.799 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 31462    | 26.107 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 182400   | 25.446 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 219637   | 25.150 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 13.493 | 146  | 130288   | 25.161 | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 126449   | 24.395 | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 110895   | 24.095 | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 6859     | 27.975 | ug/L   | 90       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 90432    | 24.290 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 73891    | 24.987 | ug/L   | 97       |
| 71) Naphthalene               | 15.365 | 128  | 134767   | 27.933 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 65257    | 25.818 | ug/L   | 95       |

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

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