

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW062521\  
 Data File : VW019320.D  
 Acq On : 25 Jun 2021 09:28  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00G/10ML/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025125

Quant Time: Jun 26 00:23:57 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM060221SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jun 25 01:15:57 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 506156   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 464309   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 237896   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.361  | 65    | 137428   | 20.533   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 82.120%  |
| 7) Chloroethane-d5            | 2.898  | 69    | 140179   | 24.591   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 98.360%  |
| 11) 1,1-Dichloroethene-d2     | 4.025  | 63    | 325364   | 24.467   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 97.880%  |
| 21) 2-Butanone-d5             | 7.086  | 46    | 84420    | 48.152   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 96.300%  |
| 24) Chloroform-d              | 7.653  | 84    | 372230   | 27.354   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 109.400% |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 189301   | 24.800   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 99.200%  |
| 32) Benzene-d6                | 8.275  | 84    | 680080   | 25.709   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 102.840% |
| 36) 1,2-Dichloropropane-d6    | 9.275  | 67    | 213799   | 26.659   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 106.640% |
| 41) Toluene-d8                | 10.323 | 98    | 609082   | 25.071   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 100.280% |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 83931    | 24.165   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 96.640%  |
| 47) 2-Hexanone-d5             | 10.927 | 63    | 68726    | 50.536   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 101.080% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695 | 84    | 172757   | 26.114   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 104.440% |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 209835   | 25.271   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 101.080% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.014  | 85    | 161304   | 24.599   | ug/L   | 94       |
| 3) Chloromethane              | 2.221  | 50    | 162511   | 26.805   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.367  | 62    | 255423   | 27.599   | ug/L   | 97       |
| 6) Bromomethane               | 2.788  | 94    | 166885   | 24.251   | ug/L   | 98       |
| 8) Chloroethane               | 2.928  | 64    | 155076   | 28.186   | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 3.269  | 101   | 157806   | 31.068   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.074  | 101   | 200195   | 27.555   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 4.050  | 96    | 195251   | 27.204   | ug/L   | 90       |
| 13) Acetone                   | 4.147  | 43    | 80477    | 51.802   | ug/L   | 88       |
| 14) Carbon disulfide          | 4.391  | 76    | 579140   | 25.529   | ug/L   | 100      |
| 15) Methyl Acetate            | 4.684  | 43    | 64427    | 20.618   | ug/L   | 97       |
| 16) Methylene chloride        | 4.922  | 84    | 201476   | 21.452   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 5.428  | 96    | 201514   | 26.060   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 5.428  | 73    | 237775   | 23.787   | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 6.220  | 63    | 375531   | 27.361   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 210557   | 26.152   | ug/L   | 92       |
| 22) 2-Butanone                | 7.177  | 43    | 100313   | 48.292   | ug/L   | 98       |
| 23) Bromochloromethane        | 7.513  | 128   | 85408    | 24.114   | ug/L   | 94       |
| 25) Chloroform                | 7.677  | 83    | 380468   | 27.179   | ug/L   | 99       |

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 ALS Vial : 1 Sample Multiplier: 1

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 ClientSampleId :  
 VSTD025125

Quant Time: Jun 26 00:23:57 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM060221SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jun 25 01:15:57 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 232639   | 24.542 | ug/L  | 98       |
| 29) Cyclohexane               | 7.958  | 56   | 326692   | 27.040 | ug/L  | 96       |
| 30) 1,1,1-Trichloroethane     | 7.878  | 97   | 300614   | 28.138 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.074  | 117  | 278301   | 28.212 | ug/L  | 100      |
| 33) Benzene                   | 8.323  | 78   | 829496   | 27.161 | ug/L  | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 212785   | 26.728 | ug/L  | 92       |
| 35) Methylcyclohexane         | 9.335  | 83   | 374919   | 27.367 | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 200710   | 26.754 | ug/L  | 98       |
| 38) Bromodichloromethane      | 9.646  | 83   | 260688   | 26.790 | ug/L  | 95       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 301346   | 25.924 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 10.213 | 43   | 189190   | 42.345 | ug/L  | 97       |
| 42) Toluene                   | 10.390 | 91   | 893290   | 27.187 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 263005   | 25.633 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 138374   | 24.498 | ug/L  | 97       |
| 46) Tetrachloroethene         | 10.860 | 164  | 160403   | 26.358 | ug/L  | 97       |
| 48) 2-Hexanone                | 10.969 | 43   | 145147   | 48.327 | ug/L  | 97       |
| 49) Dibromochloromethane      | 11.128 | 129  | 157726   | 25.194 | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 124634   | 22.775 | ug/L  | 97       |
| 51) Chlorobenzene             | 11.658 | 112  | 529148   | 26.090 | ug/L  | 97       |
| 52) Ethylbenzene              | 11.731 | 91   | 1002944  | 27.748 | ug/L  | 96       |
| 53) m,p-Xylene                | 11.841 | 106  | 371862   | 27.898 | ug/L  | 96       |
| 54) o-Xylene                  | 12.164 | 106  | 342733   | 26.993 | ug/L  | 94       |
| 55) Styrene                   | 12.183 | 104  | 593760   | 27.192 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 160908   | 23.116 | ug/L  | 97       |
| 59) Bromoform                 | 12.353 | 173  | 80692    | 22.017 | ug/L  | 97       |
| 60) Isopropylbenzene          | 12.463 | 105  | 973980   | 27.346 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 115243   | 21.653 | ug/L  | 97       |
| 62) 1,3,5-Trimethylbenzene    | 12.945 | 105  | 800093   | 27.351 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 802368   | 27.478 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 397329   | 25.561 | ug/L  | 94       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 400188   | 25.178 | ug/L  | 97       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 358391   | 25.618 | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 24064    | 20.655 | ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 285453   | 25.417 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.133 | 180  | 227998   | 24.736 | ug/L  | 97       |
| 71) Naphthalene               | 15.365 | 128  | 396858   | 21.595 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 196963   | 24.117 | ug/L  | 98       |

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

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