

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW092121\  
 Data File : VW020083.D  
 Acq On : 21 Sep 2021 09:41  
 Operator : SY/VA  
 Sample : VSTD10056  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD100456

Quant Time: Sep 22 04:02:10 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092121SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Sep 22 03:59:31 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Difluorobenzene        | 8.848  | 114  | 440844   | 25.000  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 11.634 | 117  | 411662   | 25.000  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152  | 209961   | 25.000  | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 4) Vinyl Chloride-d3          | 2.361  | 65   | 704264   | 78.089  | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 2.898  | 69   | 539847   | 79.458  | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 4.026  | 63   | 1255546  | 88.915  | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 7.080  | 46   | 242925   | 174.552 | ug/L  | 0.00     |
| 24) Chloroform-d              | 7.653  | 84   | 1173696  | 84.656  | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.311  | 65   | 596017   | 79.875  | ug/L  | 0.00     |
| 32) Benzene-d6                | 8.281  | 84   | 2275305  | 86.634  | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.281  | 67   | 662055   | 87.104  | ug/L  | 0.00     |
| 41) Toluene-d8                | 10.329 | 98   | 2162356  | 90.487  | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79   | 300230   | 92.416  | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 10.927 | 63   | 207915   | 197.666 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695 | 84   | 491839   | 83.889  | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152  | 698693   | 88.747  | ug/L  | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.014  | 85   | 375769   | 97.318  | ug/L  | 95       |
| 3) Chloromethane              | 2.221  | 50   | 464654   | 87.026  | ug/L  | 98       |
| 5) Vinyl chloride             | 2.367  | 62   | 700780   | 83.586  | ug/L  | 98       |
| 6) Bromomethane               | 2.788  | 94   | 440652   | 81.302  | ug/L  | 98       |
| 8) Chloroethane               | 2.934  | 64   | 418406   | 82.527  | ug/L  | 99       |
| 9) Trichlorofluoromethane     | 3.270  | 101  | 575009   | 97.482  | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.074  | 101  | 552363   | 85.658  | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 4.044  | 96   | 539007   | 92.173  | ug/L  | 96       |
| 13) Acetone                   | 4.123  | 43   | 184786   | 155.031 | ug/L  | 98       |
| 14) Carbon disulfide          | 4.391  | 76   | 1695562  | 92.223  | ug/L  | 99       |
| 15) Methyl Acetate            | 4.672  | 43   | 185532   | 81.398  | ug/L  | 99       |
| 16) Methylene chloride        | 4.922  | 84   | 514587   | 66.152  | ug/L  | 96       |
| 17) trans-1,2-Dichloroethene  | 5.428  | 96   | 557985   | 90.597  | ug/L  | 97       |
| 18) Methyl tert-butyl Ether   | 5.434  | 73   | 694082   | 94.932  | ug/L  | 99       |
| 19) 1,1-Dichloroethane        | 6.226  | 63   | 997172   | 87.781  | ug/L  | 98       |
| 20) cis-1,2-Dichloroethene    | 7.177  | 96   | 587029   | 93.720  | ug/L  | 95       |
| 22) 2-Butanone                | 7.171  | 43   | 256142   | 165.642 | ug/L  | 97       |
| 23) Bromochloromethane        | 7.525  | 128  | 246677   | 86.877  | ug/L  | 90       |
| 25) Chloroform                | 7.683  | 83   | 1033395  | 86.992  | ug/L  | 98       |
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 637517   | 81.550  | ug/L  | 99       |
| 29) Cyclohexane               | 7.964  | 56   | 935246   | 102.100 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.878  | 97   | 898873   | 88.118  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.074  | 117  | 838975   | 90.394  | ug/L  | 99       |
| 33) Benzene                   | 8.330  | 78   | 2163716  | 87.092  | ug/L  | 100      |
| 34) Trichloroethene           | 9.098  | 95   | 602622   | 90.610  | ug/L  | 96       |
| 35) Methylcyclohexane         | 9.342  | 83   | 1056473  | 97.492  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 9.372  | 63   | 524434   | 85.223  | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.646  | 83   | 729483   | 87.541  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 10.079 | 75   | 871188   | 95.986  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 10.213 | 43   | 549904   | 177.435 | ug/L  | 98       |
| 42) Toluene                   | 10.390 | 91   | 2420659  | 91.709  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 10.610 | 75   | 764830   | 93.815  | ug/L  | 98       |

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 Sample : VSTD10056  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD100456

Quant Time: Sep 22 04:02:10 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092121SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Sep 22 03:59:31 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 374158   | 82.923  | ug/L  | 97       |
| 46) Tetrachloroethene         | 10.866 | 164  | 454886   | 88.490  | ug/L  | 91       |
| 48) 2-Hexanone                | 10.969 | 43   | 390893   | 181.063 | ug/L  | 98       |
| 49) Dibromochloromethane      | 11.134 | 129  | 470789   | 89.292  | ug/L  | 95       |
| 50) 1,2-Dibromoethane         | 11.238 | 107  | 366153   | 86.227  | ug/L  | 98       |
| 51) Chlorobenzene             | 11.658 | 112  | 1519926  | 88.538  | ug/L  | 99       |
| 52) Ethylbenzene              | 11.731 | 91   | 2748456  | 94.540  | ug/L  | 98       |
| 53) m,p-Xylene                | 11.841 | 106  | 1075449  | 97.032  | ug/L  | 99       |
| 54) o-Xylene                  | 12.164 | 106  | 1018458  | 99.336  | ug/L  | 99       |
| 55) Styrene                   | 12.183 | 104  | 1752876  | 98.391  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 440473   | 81.730  | ug/L  | 98       |
| 59) Bromoform                 | 12.347 | 173  | 255156   | 89.132  | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.469 | 105  | 2810616  | 99.837  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 325136   | 82.010  | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.945 | 105  | 2379553  | 102.993 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 2338147  | 103.021 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 1158748  | 89.751  | ug/L  | 95       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 1175893  | 88.133  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 1010862  | 85.969  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 74215    | 83.391  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 820255   | 91.856  | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.133 | 180  | 669229   | 97.108  | ug/L  | 97       |
| 71) Naphthalene               | 15.365 | 128  | 1251770  | 102.987 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 579167   | 93.332  | ug/L  | 98       |

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

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