

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW083021\  
 Data File : VW019944.D  
 Acq On : 30 Aug 2021 17:46  
 Operator : SY/VA  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025530

Quant Time: Aug 31 01:05:13 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081821SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Aug 31 01:00:58 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.848  | 114   | 315710   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 296123   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 148826   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.361  | 65    | 110673   | 22.625   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 90.520%  |
| 7) Chloroethane-d5            | 2.898  | 69    | 105999   | 24.688   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 98.760%  |
| 11) 1,1-Dichloroethene-d2     | 4.032  | 63    | 183395   | 21.606   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 86.440%  |
| 21) 2-Butanone-d5             | 7.086  | 46    | 49625    | 49.945   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 99.900%  |
| 24) Chloroform-d              | 7.659  | 84    | 209847   | 24.169   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 96.680%  |
| 26) 1,2-Dichloroethane-d4     | 8.311  | 65    | 111935   | 23.923   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 95.680%  |
| 32) Benzene-d6                | 8.281  | 84    | 407853   | 24.156   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 96.640%  |
| 36) 1,2-Dichloropropane-d6    | 9.281  | 67    | 124302   | 24.311   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 97.240%  |
| 41) Toluene-d8                | 10.329 | 98    | 367611   | 23.759   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 95.040%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 51166    | 24.223   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 96.880%  |
| 47) 2-Hexanone-d5             | 10.927 | 63    | 34814    | 48.876   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 97.760%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695 | 84    | 106317   | 25.548   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 102.200% |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 127816   | 25.037   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 100.160% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.014  | 85    | 61516    | 19.883   | ug/L   | 95       |
| 3) Chloromethane              | 2.221  | 50    | 84476    | 21.940   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.373  | 62    | 144664   | 25.334   | ug/L   | 97       |
| 6) Bromomethane               | 2.794  | 94    | 102977   | 24.302   | ug/L   | 97       |
| 8) Chloroethane               | 2.934  | 64    | 98126    | 26.214   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 3.269  | 101   | 80090    | 21.806   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.074  | 101   | 109345   | 25.082   | ug/L   | 95       |
| 12) 1,1-Dichloroethene        | 4.050  | 96    | 101963   | 23.850   | ug/L   | 99       |
| 13) Acetone                   | 4.135  | 43    | 36852    | 43.448   | ug/L   | 89       |
| 14) Carbon disulfide          | 4.391  | 76    | 303318   | 22.182   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.684  | 43    | 39301    | 22.259   | ug/L   | 97       |
| 16) Methylene chloride        | 4.928  | 84    | 117517   | 21.688   | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 5.428  | 96    | 106577   | 23.731   | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 5.434  | 73    | 126898   | 24.547   | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 6.226  | 63    | 193574   | 24.316   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 112070   | 24.653   | ug/L   | 98       |
| 22) 2-Butanone                | 7.177  | 43    | 54160    | 49.275   | ug/L   | 99       |
| 23) Bromochloromethane        | 7.519  | 128   | 51221    | 25.177   | ug/L   | 98       |
| 25) Chloroform                | 7.677  | 83    | 203195   | 24.672   | ug/L   | 98       |

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 ALS Vial : 1 Sample Multiplier: 1

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 MSVOA\_W  
 ClientSampleId :  
 VSTD025530

Quant Time: Aug 31 01:05:13 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081821SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Aug 31 01:00:58 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 129352   | 24.076 | ug/L  | 100      |
| 29) Cyclohexane               | 7.964  | 56   | 171643   | 24.682 | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 7.878  | 97   | 163397   | 24.689 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 8.073  | 117  | 150811   | 24.445 | ug/L  | 99       |
| 33) Benzene                   | 8.330  | 78   | 454251   | 24.994 | ug/L  | 100      |
| 34) Trichloroethene           | 9.098  | 95   | 112685   | 23.850 | ug/L  | 90       |
| 35) Methylcyclohexane         | 9.342  | 83   | 203938   | 25.165 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.372  | 63   | 110169   | 24.476 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.646  | 83   | 142033   | 24.358 | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 164800   | 24.863 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 10.213 | 43   | 118483   | 49.503 | ug/L  | 98       |
| 42) Toluene                   | 10.390 | 91   | 486356   | 25.262 | ug/L  | 96       |
| 44) trans-1,3-Dichloropropene | 10.610 | 75   | 145824   | 24.994 | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 82601    | 25.348 | ug/L  | 96       |
| 46) Tetrachloroethene         | 10.866 | 164  | 90486    | 25.283 | ug/L  | 97       |
| 48) 2-Hexanone                | 10.969 | 43   | 84573    | 50.760 | ug/L  | 97       |
| 49) Dibromochloromethane      | 11.128 | 129  | 92989    | 24.946 | ug/L  | 94       |
| 50) 1,2-Dibromoethane         | 11.238 | 107  | 76354    | 24.947 | ug/L  | 98       |
| 51) Chlorobenzene             | 11.658 | 112  | 304413   | 24.896 | ug/L  | 97       |
| 52) Ethylbenzene              | 11.731 | 91   | 522431   | 25.205 | ug/L  | 97       |
| 53) m,p-Xylene                | 11.841 | 106  | 206909   | 25.995 | ug/L  | 99       |
| 54) o-Xylene                  | 12.164 | 106  | 192916   | 25.622 | ug/L  | 99       |
| 55) Styrene                   | 12.182 | 104  | 334474   | 25.998 | ug/L  | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 98427    | 24.630 | ug/L  | 99       |
| 59) Bromoform                 | 12.347 | 173  | 49895    | 25.251 | ug/L  | 100      |
| 60) Isopropylbenzene          | 12.463 | 105  | 529405   | 26.253 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 70670    | 24.219 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.945 | 105  | 433401   | 26.927 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 433620   | 26.579 | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 232563   | 25.867 | ug/L  | 94       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 237839   | 25.737 | ug/L  | 93       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 210864   | 25.828 | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 15151    | 23.819 | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 163040   | 26.319 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 127609   | 26.808 | ug/L  | 99       |
| 71) Naphthalene               | 15.365 | 128  | 249652   | 26.297 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 117482   | 26.653 | ug/L  | 97       |

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

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