

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW082922\  
 Data File : VW024494.D  
 Acq On : 30 Aug 2022 14:18  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.26g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Aug 31 01:21:34 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM082622SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Aug 30 07:05:43 2022  
 Response via : Initial Calibration

| Compound                      | R.T.     | QIon  | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|----------|-------|----------|--------|----------|----------|
| -----                         |          |       |          |        |          |          |
| Internal Standards            |          |       |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 8.836    | 114   | 328424   | 25.000 | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 11.628   | 117   | 324045   | 25.000 | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554   | 152   | 180257   | 25.000 | ug/L     | 0.00     |
| System Monitoring Compounds   |          |       |          |        |          |          |
| 4) Vinyl Chloride-d3          | 2.343    | 65    | 174007   | 19.220 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 30 | - 150 | Recovery | =      | 76.880%  |          |
| 7) Chloroethane-d5            | 2.867    | 69    | 136064   | 20.059 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 30 | - 150 | Recovery | =      | 80.240%  |          |
| 11) 1,1-Dichloroethene-d2     | 4.007    | 63    | 169875   | 21.635 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 45 | - 110 | Recovery | =      | 86.560%  |          |
| 21) 2-Butanone-d5             | 7.074    | 46    | 82507    | 49.479 | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 20 | - 135 | Recovery | =      | 98.960%  |          |
| 24) Chloroform-d              | 7.647    | 84    | 239313   | 22.665 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 40 | - 150 | Recovery | =      | 90.680%  |          |
| 26) 1,2-Dichloroethane-d4     | 8.305    | 65    | 140799   | 21.989 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =      | 87.960%  |          |
| 32) Benzene-d6                | 8.269    | 84    | 416222   | 22.418 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 20 | - 135 | Recovery | =      | 89.680%  |          |
| 36) 1,2-Dichloropropane-d6    | 9.268    | 67    | 134469   | 23.289 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 120 | Recovery | =      | 93.160%  |          |
| 41) Toluene-d8                | 10.323   | 98    | 373169   | 21.140 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 30 | - 130 | Recovery | =      | 84.560%  |          |
| 43) trans-1,3-Dichloroprop... | 10.573   | 79    | 60307    | 22.319 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 30 | - 135 | Recovery | =      | 89.280%  |          |
| 47) 2-Hexanone-d5             | 10.921   | 63    | 70469    | 54.538 | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 20 | - 135 | Recovery | =      | 109.080% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.689   | 84    | 156073   | 23.874 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 45 | - 120 | Recovery | =      | 95.480%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.853   | 152   | 160707   | 23.675 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 75 | - 120 | Recovery | =      | 94.720%  |          |
| Target Compounds              |          |       |          |        |          |          |
|                               |          |       |          |        |          | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.002    | 85    | 59766    | 18.169 | ug/L     | 98       |
| 3) Chloromethane              | 2.209    | 50    | 158742   | 25.829 | ug/L     | 100      |
| 5) Vinyl chloride             | 2.349    | 62    | 260356   | 24.234 | ug/L     | 96       |
| 6) Bromomethane               | 2.764    | 94    | 149323   | 19.801 | ug/L     | 98       |
| 8) Chloroethane               | 2.910    | 64    | 128791   | 22.948 | ug/L     | 100      |
| 9) Trichlorofluoromethane     | 3.239    | 101   | 100667   | 19.926 | ug/L     | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.050    | 101   | 123871   | 25.563 | ug/L     | 96       |
| 12) 1,1-Dichloroethene        | 4.026    | 96    | 107760   | 27.469 | ug/L     | 97       |
| 13) Acetone                   | 4.123    | 43    | 46496    | 46.724 | ug/L     | 97       |
| 14) Carbon disulfide          | 4.367    | 76    | 309511   | 23.740 | ug/L     | 99       |
| 15) Methyl Acetate            | 4.666    | 43    | 56164    | 23.071 | ug/L     | 97       |
| 16) Methylene chloride        | 4.910    | 84    | 158558   | 28.786 | ug/L     | 88       |
| 17) trans-1,2-Dichloroethene  | 5.416    | 96    | 115934   | 24.967 | ug/L     | 96       |
| 18) Methyl tert-butyl Ether   | 5.422    | 73    | 206560   | 27.168 | ug/L     | 97       |
| 19) 1,1-Dichloroethane        | 6.208    | 63    | 211867   | 24.129 | ug/L     | 99       |
| 20) cis-1,2-Dichloroethene    | 7.165    | 96    | 128322m  | 25.130 | ug/L     |          |
| 22) 2-Butanone                | 7.171    | 43    | 80394    | 45.281 | ug/L     | 98       |
| 23) Bromochloromethane        | 7.513    | 128   | 60379    | 24.216 | ug/L     | 91       |

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 ALS Vial : 1 Sample Multiplier: 1

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 MSVOA\_W  
 ClientSampleId :

Quant Time: Aug 31 01:21:34 2022  
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 Quant Title : SFAM01.0  
 QLast Update : Tue Aug 30 07:05:43 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 25) Chloroform                | 7.671  | 83   | 234214   | 24.042 | ug/L   | 96       |
| 27) 1,2-Dichloroethane        | 8.397  | 62   | 163904   | 23.114 | ug/L   | 98       |
| 29) Cyclohexane               | 7.952  | 56   | 190995   | 27.339 | ug/L   | 96       |
| 30) 1,1,1-Trichloroethane     | 7.866  | 97   | 186610   | 24.426 | ug/L   | 97       |
| 31) Carbon tetrachloride      | 8.061  | 117  | 171669   | 24.562 | ug/L   | 100      |
| 33) Benzene                   | 8.317  | 78   | 509192   | 25.239 | ug/L   | 100      |
| 34) Trichloroethene           | 9.086  | 95   | 131069   | 24.649 | ug/L   | 96       |
| 35) Methylcyclohexane         | 9.329  | 83   | 228890   | 26.829 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 123960   | 23.808 | ug/L # | 97       |
| 38) Bromodichloromethane      | 9.640  | 83   | 174512   | 24.613 | ug/L   | 95       |
| 39) cis-1,3-Dichloropropene   | 10.067 | 75   | 193765   | 26.623 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 185678   | 50.152 | ug/L   | 97       |
| 42) Toluene                   | 10.384 | 91   | 574734   | 25.813 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 10.604 | 75   | 177044   | 25.034 | ug/L   | 96       |
| 45) 1,1,2-Trichloroethane     | 10.780 | 97   | 105017   | 24.734 | ug/L   | 95       |
| 46) Tetrachloroethene         | 10.860 | 164  | 98038    | 23.740 | ug/L   | 90       |
| 48) 2-Hexanone                | 10.963 | 43   | 131130   | 48.017 | ug/L   | 97       |
| 49) Dibromochloromethane      | 11.128 | 129  | 121408   | 24.176 | ug/L   | 96       |
| 50) 1,2-Dibromoethane         | 11.232 | 107  | 103547   | 25.367 | ug/L   | 94       |
| 51) Chlorobenzene             | 11.652 | 112  | 375436   | 25.123 | ug/L   | 97       |
| 52) Ethylbenzene              | 11.725 | 91   | 643697   | 26.150 | ug/L   | 96       |
| 53) m,p-Xylene                | 11.835 | 106  | 248580   | 25.714 | ug/L   | 96       |
| 54) o-Xylene                  | 12.164 | 106  | 235893   | 26.103 | ug/L   | 91       |
| 55) Styrene                   | 12.177 | 104  | 431373   | 27.004 | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 138876   | 23.434 | ug/L   | 98       |
| 59) Bromoform                 | 12.347 | 173  | 67822    | 23.446 | ug/L   | 97       |
| 60) Isopropylbenzene          | 12.463 | 105  | 660661   | 27.595 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 100542   | 24.665 | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 12.939 | 105  | 567344   | 29.389 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 542180   | 28.914 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 13.493 | 146  | 287349   | 25.103 | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 13.573 | 146  | 293867   | 24.316 | ug/L   | 92       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 265625   | 24.755 | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 22204    | 21.681 | ug/L   | 95       |
| 69) 1,3,5-Trichlorobenzene    | 14.621 | 180  | 187496   | 25.378 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 149096   | 25.960 | ug/L   | 97       |
| 71) Naphthalene               | 15.359 | 128  | 362651   | 28.751 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 135900   | 25.036 | ug/L   | 93       |

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

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