

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW032923\  
 Data File : VW025495.D  
 Acq On : 29 Mar 2023 18:31  
 Operator : SY/MD  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025559

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/30/2023  
 Supervised By : Mahesh Dadoda 04/03/2023

Quant Time: Mar 30 00:25:08 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM030623SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Mar 30 00:21:45 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon           | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|---------|----------|
| -----                         |        |                |          |        |         |          |
| Internal Standards            |        |                |          |        |         |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114            | 698429   | 25.000 | ug/L    | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117            | 623154   | 25.000 | ug/L    | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152            | 317978   | 25.000 | ug/L    | 0.00     |
| System Monitoring Compounds   |        |                |          |        |         |          |
| 4) Vinyl Chloride-d3          | 2.369  | 65             | 186054   | 16.022 | ug/L    | 0.00     |
| Spiked Amount                 | 25.000 | Range 30 - 150 | Recovery | =      | 64.080% |          |
| 7) Chloroethane-d5            | 2.899  | 69             | 156645   | 18.747 | ug/L    | 0.00     |
| Spiked Amount                 | 25.000 | Range 30 - 150 | Recovery | =      | 75.000% |          |
| 11) 1,1-Dichloroethene-d2     | 4.033  | 63             | 427812   | 19.074 | ug/L    | 0.00     |
| Spiked Amount                 | 25.000 | Range 45 - 110 | Recovery | =      | 76.280% |          |
| 21) 2-Butanone-d5             | 7.075  | 46             | 133743   | 46.920 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000 | Range 20 - 135 | Recovery | =      | 93.840% |          |
| 24) Chloroform-d              | 7.648  | 84             | 456466   | 22.671 | ug/L    | 0.00     |
| Spiked Amount                 | 25.000 | Range 40 - 150 | Recovery | =      | 90.680% |          |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65             | 243557   | 22.537 | ug/L    | 0.00     |
| Spiked Amount                 | 25.000 | Range 70 - 130 | Recovery | =      | 90.160% |          |
| 32) Benzene-d6                | 8.276  | 84             | 910119   | 21.375 | ug/L    | 0.00     |
| Spiked Amount                 | 25.000 | Range 20 - 135 | Recovery | =      | 85.480% |          |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67             | 286900   | 21.780 | ug/L    | 0.00     |
| Spiked Amount                 | 25.000 | Range 70 - 120 | Recovery | =      | 87.120% |          |
| 41) Toluene-d8                | 10.318 | 98             | 803020   | 21.390 | ug/L    | 0.00     |
| Spiked Amount                 | 25.000 | Range 30 - 130 | Recovery | =      | 85.560% |          |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79             | 107171   | 20.432 | ug/L    | 0.00     |
| Spiked Amount                 | 25.000 | Range 30 - 135 | Recovery | =      | 81.720% |          |
| 47) 2-Hexanone-d5             | 10.922 | 63             | 89587    | 47.296 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000 | Range 20 - 135 | Recovery | =      | 94.600% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84             | 220376   | 22.836 | ug/L    | 0.00     |
| Spiked Amount                 | 25.000 | Range 45 - 120 | Recovery | =      | 91.360% |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.848 | 152            | 248039   | 20.976 | ug/L    | 0.00     |
| Spiked Amount                 | 25.000 | Range 75 - 120 | Recovery | =      | 83.920% |          |
| Target Compounds              |        |                |          |        |         |          |
|                               |        |                |          |        | Qvalue  |          |
| 2) Dichlorodifluoromethane    | 2.021  | 85             | 173270m  | 21.708 | ug/L    |          |
| 3) Chloromethane              | 2.222  | 50             | 225026   | 23.705 | ug/L    | 94       |
| 5) Vinyl chloride             | 2.375  | 62             | 246629   | 22.996 | ug/L    | 99       |
| 6) Bromomethane               | 2.789  | 94             | 136688   | 23.905 | ug/L    | 100      |
| 8) Chloroethane               | 2.936  | 64             | 144647   | 23.466 | ug/L    | 98       |
| 9) Trichlorofluoromethane     | 3.265  | 101            | 170139   | 18.328 | ug/L    | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070  | 101            | 212143   | 23.566 | ug/L    | 98       |
| 12) 1,1-Dichloroethene        | 4.051  | 96             | 200067   | 22.971 | ug/L    | 89       |
| 13) Acetone                   | 4.118  | 43             | 103485   | 37.766 | ug/L    | 97       |
| 14) Carbon disulfide          | 4.393  | 76             | 623205   | 23.014 | ug/L    | 98       |
| 15) Methyl Acetate            | 4.667  | 43             | 115148   | 22.400 | ug/L    | 99       |
| 16) Methylene chloride        | 4.923  | 84             | 250746   | 25.783 | ug/L    | 96       |
| 17) trans-1,2-Dichloroethene  | 5.423  | 96             | 220376   | 24.137 | ug/L    | 93       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73             | 337495   | 24.553 | ug/L    | 98       |
| 19) 1,1-Dichloroethane        | 6.222  | 63             | 477872   | 25.275 | ug/L    | 99       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96             | 255152   | 25.524 | ug/L    | 95       |
| 22) 2-Butanone                | 7.173  | 43             | 149774   | 42.253 | ug/L    | 100      |
| 23) Bromochloromethane        | 7.514  | 128            | 102589   | 23.865 | ug/L    | 93       |
| 25) Chloroform                | 7.673  | 83             | 447960   | 25.203 | ug/L    | 99       |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
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Quant Time: Mar 30 00:25:08 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM030623SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Mar 30 00:21:45 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 302849   | 25.532 | ug/L  | 100      |
| 29) Cyclohexane               | 7.959  | 56   | 415439   | 23.618 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 341993   | 23.086 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 304377   | 22.922 | ug/L  | 99       |
| 33) Benzene                   | 8.325  | 78   | 996692   | 25.017 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 249268   | 23.838 | ug/L  | 98       |
| 35) Methylcyclohexane         | 9.337  | 83   | 420001   | 23.316 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 275878   | 25.156 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 312252   | 24.414 | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 392623   | 24.851 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 327556   | 49.695 | ug/L  | 99       |
| 42) Toluene                   | 10.386 | 91   | 1036158  | 25.189 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 320244   | 24.205 | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 177862   | 24.150 | ug/L  | 99       |
| 46) Tetrachloroethene         | 10.861 | 164  | 173478   | 23.316 | ug/L  | 96       |
| 48) 2-Hexanone                | 10.965 | 43   | 223934   | 47.222 | ug/L  | 100      |
| 49) Dibromochloromethane      | 11.129 | 129  | 184327   | 23.424 | ug/L  | 93       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 157060   | 23.039 | ug/L  | 94       |
| 51) Chlorobenzene             | 11.654 | 112  | 627786   | 24.046 | ug/L  | 98       |
| 52) Ethylbenzene              | 11.727 | 91   | 1169223  | 24.922 | ug/L  | 99       |
| 53) m,p-Xylene                | 11.836 | 106  | 433428   | 25.048 | ug/L  | 98       |
| 54) o-Xylene                  | 12.166 | 106  | 413517   | 25.396 | ug/L  | 96       |
| 55) Styrene                   | 12.178 | 104  | 703375   | 25.296 | ug/L  | 92       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 216279   | 23.608 | ug/L  | 96       |
| 59) Bromoform                 | 12.349 | 173  | 101640   | 22.155 | ug/L  | 98       |
| 60) Isopropylbenzene          | 12.458 | 105  | 1136247  | 23.971 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 156099   | 22.532 | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 926746   | 24.686 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 936923   | 25.334 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 474409   | 23.619 | ug/L  | 96       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 470360   | 22.830 | ug/L  | 94       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 433112   | 24.042 | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.482 | 75   | 33428    | 20.842 | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 14.629 | 180  | 308055   | 22.562 | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.122 | 180  | 259663   | 22.937 | ug/L  | 99       |
| 71) Naphthalene               | 15.360 | 128  | 555919   | 24.878 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 241452   | 23.746 | ug/L  | 99       |

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

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