

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW071423\  
 Data File : VW026611.D  
 Acq On : 14 Jul 2023 09:31  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025560

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/17/2023  
 Supervised By :Mahesh Dadoda 07/17/2023

Quant Time: Jul 15 05:06:28 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM071123SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Jul 14 06:26:25 2023  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 8.843          | 114  | 729191     | 25.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629         | 117  | 647060     | 25.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556         | 152  | 311418     | 25.000  | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 2.369          | 65   | 253202     | 20.586  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 82.360% |        |          |
| 7) Chloroethane-d5            | 2.893          | 69   | 186944     | 21.660  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 86.640% |        |          |
| 11) 1,1-Dichloroethene-d2     | 4.021          | 65   | 120694     | 20.895  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 83.560% |        |          |
| 21) 2-Butanone-d5             | 7.075          | 46   | 173567     | 43.663  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 87.320% |        |          |
| 24) Chloroform-d              | 7.648          | 84   | 503950     | 24.005  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 96.000% |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.307          | 65   | 277402     | 23.665  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 94.680% |        |          |
| 32) Benzene-d6                | 8.276          | 84   | 1027680    | 23.136  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 92.560% |        |          |
| 36) 1,2-Dichloropropane-d6    | 9.270          | 67   | 320198     | 23.444  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 93.760% |        |          |
| 41) Toluene-d8                | 10.325         | 98   | 893773     | 23.460  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 93.840% |        |          |
| 43) trans-1,3-Dichloroprop... | 10.575         | 79   | 128346     | 23.449  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 93.800% |        |          |
| 47) 2-Hexanone-d5             | 10.922         | 63   | 125295     | 47.013  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 94.020% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690         | 84   | 265873     | 22.987  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 91.960% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.848         | 152  | 275764     | 24.118  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 96.480% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.021          | 85   | 203484m    | 24.738  | ug/L   |          |
| 3) Chloromethane              | 2.229          | 50   | 272746     | 23.207  | ug/L   | 100      |
| 5) Vinyl chloride             | 2.375          | 62   | 288996     | 23.332  | ug/L   | 95       |
| 6) Bromomethane               | 2.789          | 94   | 156058     | 23.701  | ug/L   | 98       |
| 8) Chloroethane               | 2.936          | 64   | 167679     | 24.210  | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.265          | 101  | 220549     | 24.040  | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.070          | 101  | 250517     | 24.605  | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 4.045          | 96   | 232072     | 23.757  | ug/L   | 93       |
| 13) Acetone                   | 4.118          | 43   | 134541     | 47.052  | ug/L   | 98       |
| 14) Carbon disulfide          | 4.387          | 76   | 806908     | 23.564  | ug/L   | 98       |
| 15) Methyl Acetate            | 4.667          | 43   | 151161     | 22.004  | ug/L   | 99       |
| 16) Methylene chloride        | 4.923          | 84   | 252175     | 19.576  | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 5.423          | 96   | 260588     | 24.950  | ug/L   | 99       |
| 18) Methyl tert-butyl Ether   | 5.423          | 73   | 394308     | 24.122  | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 6.216          | 63   | 531769     | 25.465  | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.167          | 96   | 278231     | 25.725  | ug/L   | 98       |
| 22) 2-Butanone                | 7.167          | 43   | 204892     | 47.055  | ug/L   | 98       |
| 23) Bromochloromethane        | 7.514          | 128  | 119198     | 25.729  | ug/L   | 90       |
| 25) Chloroform                | 7.673          | 83   | 497070     | 25.980  | ug/L   | 98       |

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 Quant Title : SFAM01.0  
 QLast Update : Fri Jul 14 06:26:25 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 341846   | 25.380 | ug/L  | 97       |
| 29) Cyclohexane               | 7.953  | 56   | 493015   | 24.471 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.868  | 97   | 401686   | 25.328 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 364979   | 25.352 | ug/L  | 98       |
| 33) Benzene                   | 8.319  | 78   | 1125012  | 25.233 | ug/L  | 100      |
| 34) Trichloroethene           | 9.087  | 95   | 281801   | 24.606 | ug/L  | 96       |
| 35) Methylcyclohexane         | 9.331  | 83   | 504168   | 24.517 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 302000   | 25.507 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 347560   | 25.837 | ug/L  | 96       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 442827   | 25.978 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 424674   | 47.521 | ug/L  | 100      |
| 42) Toluene                   | 10.386 | 91   | 1148735  | 25.514 | ug/L  | 94       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 374415   | 26.044 | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 205941   | 24.922 | ug/L  | 96       |
| 46) Tetrachloroethene         | 10.861 | 164  | 197208   | 24.256 | ug/L  | 95       |
| 48) 2-Hexanone                | 10.965 | 43   | 300798   | 48.231 | ug/L  | 99       |
| 49) Dibromochloromethane      | 11.129 | 129  | 212995   | 26.031 | ug/L  | 95       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 191771   | 24.619 | ug/L  | 98       |
| 51) Chlorobenzene             | 11.654 | 112  | 688603   | 24.944 | ug/L  | 99       |
| 52) Ethylbenzene              | 11.727 | 91   | 1296685  | 25.869 | ug/L  | 98       |
| 53) m,p-Xylene                | 11.837 | 106  | 478390   | 26.233 | ug/L  | 94       |
| 54) o-Xylene                  | 12.166 | 106  | 438331   | 25.608 | ug/L  | 100      |
| 55) Styrene                   | 12.178 | 104  | 790368   | 27.376 | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 262946   | 24.246 | ug/L  | 95       |
| 59) Bromoform                 | 12.349 | 173  | 120021   | 24.368 | ug/L  | 92       |
| 60) Isopropylbenzene          | 12.458 | 105  | 1256390  | 26.076 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 194783   | 23.157 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 1002844  | 27.136 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 979917   | 26.744 | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 510413   | 25.245 | ug/L  | 97       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 512826   | 25.433 | ug/L  | 96       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 454589   | 25.405 | ug/L  | 92       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 45072    | 22.514 | ug/L  | 93       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 325022   | 24.292 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 261524   | 23.819 | ug/L  | 95       |
| 71) Naphthalene               | 15.360 | 128  | 604468   | 24.311 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 250406   | 24.226 | ug/L  | 99       |

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

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