

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW020623\  
 Data File : VW025286.D  
 Acq On : 06 Feb 2023 08:44  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025528

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/07/2023  
 Supervised By :Mahesh Dadoda 02/07/2023

Quant Time: Feb 07 00:12:57 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM020323SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Feb 03 11:28:47 2023  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.841          | 114  | 424334     | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.627         | 117  | 360303     | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554         | 152  | 170635     | 25.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 2.361          | 65   | 98895      | 24.084   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 96.320%  |        |          |
| 7) Chloroethane-d5            | 2.897          | 69   | 82221      | 22.551   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 90.200%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 4.025          | 63   | 254560     | 22.357   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 89.440%  |        |          |
| 21) 2-Butanone-d5             | 7.079          | 46   | 45275      | 42.473   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 84.940%  |        |          |
| 24) Chloroform-d              | 7.646          | 84   | 251431     | 22.607   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 90.440%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.305          | 65   | 121930     | 22.506   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 90.040%  |        |          |
| 32) Benzene-d6                | 8.274          | 84   | 500625     | 22.925   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 91.720%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 9.274          | 67   | 141060     | 22.077   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 88.320%  |        |          |
| 41) Toluene-d8                | 10.323         | 98   | 461472     | 23.641   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 94.560%  |        |          |
| 43) trans-1,3-Dichloroprop... | 10.579         | 79   | 56663      | 23.733   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 94.920%  |        |          |
| 47) 2-Hexanone-d5             | 10.920         | 63   | 36980      | 51.620   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 103.240% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688         | 84   | 95040      | 21.873   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 87.480%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.853         | 152  | 134335     | 22.691   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 90.760%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.019          | 85   | 120797m    | 21.038   | ug/L   |          |
| 3) Chloromethane              | 2.227          | 50   | 116429     | 21.125   | ug/L   | 98       |
| 5) Vinyl chloride             | 2.373          | 62   | 133075     | 23.708   | ug/L   | 97       |
| 6) Bromomethane               | 2.788          | 94   | 82555      | 21.480   | ug/L   | 100      |
| 8) Chloroethane               | 2.934          | 64   | 78676      | 22.452   | ug/L   | 100      |
| 9) Trichlorofluoromethane     | 3.269          | 101  | 168007     | 20.808   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.074          | 101  | 133049     | 22.726   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 4.043          | 96   | 129936     | 22.358   | ug/L   | 96       |
| 13) Acetone                   | 4.129          | 43   | 54474      | 46.347   | ug/L   | 98       |
| 14) Carbon disulfide          | 4.391          | 76   | 420223     | 22.126   | ug/L   | 100      |
| 15) Methyl Acetate            | 4.677          | 43   | 39554      | 19.667   | ug/L   | 98       |
| 16) Methylene chloride        | 4.915          | 84   | 127774     | 17.689   | ug/L   | 94       |
| 17) trans-1,2-Dichloroethene  | 5.427          | 96   | 135894     | 21.773   | ug/L   | 95       |
| 18) Methyl tert-butyl Ether   | 5.427          | 73   | 182194     | 20.306   | ug/L # | 90       |
| 19) 1,1-Dichloroethane        | 6.214          | 63   | 239750     | 21.573   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.171          | 96   | 139245     | 21.248   | ug/L   | 92       |
| 22) 2-Butanone                | 7.171          | 43   | 60563      | 42.372   | ug/L   | 99       |
| 23) Bromochloromethane        | 7.512          | 128  | 56798      | 21.042   | ug/L   | 94       |
| 25) Chloroform                | 7.677          | 83   | 242208     | 21.188   | ug/L   | 99       |

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 Quant Title : SFAM01.0  
 QLast Update : Fri Feb 03 11:28:47 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.396  | 62   | 151504   | 21.760 | ug/L  | 99       |
| 29) Cyclohexane               | 7.957  | 56   | 228454   | 22.017 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 221965   | 21.719 | ug/L  | 100      |
| 31) Carbon tetrachloride      | 8.067  | 117  | 205477   | 21.737 | ug/L  | 97       |
| 33) Benzene                   | 8.323  | 78   | 536281   | 21.508 | ug/L  | 100      |
| 34) Trichloroethene           | 9.091  | 95   | 146213   | 20.935 | ug/L  | 94       |
| 35) Methylcyclohexane         | 9.335  | 83   | 261932   | 21.011 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 127762   | 20.776 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.640  | 83   | 167782   | 20.519 | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 207900   | 20.648 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 107332   | 39.530 | ug/L  | 99       |
| 42) Toluene                   | 10.384 | 91   | 586007   | 23.634 | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 170407   | 23.743 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 87755    | 22.642 | ug/L  | 95       |
| 46) Tetrachloroethene         | 10.859 | 164  | 108390   | 24.284 | ug/L  | 97       |
| 48) 2-Hexanone                | 10.963 | 43   | 83394    | 48.651 | ug/L  | 98       |
| 49) Dibromochloromethane      | 11.128 | 129  | 102788   | 23.481 | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 82030    | 23.105 | ug/L  | 98       |
| 51) Chlorobenzene             | 11.652 | 112  | 355068   | 21.760 | ug/L  | 97       |
| 52) Ethylbenzene              | 11.725 | 91   | 664948   | 22.383 | ug/L  | 99       |
| 53) m,p-Xylene                | 11.835 | 106  | 255242   | 22.670 | ug/L  | 96       |
| 54) o-Xylene                  | 12.164 | 106  | 235362   | 20.766 | ug/L  | 93       |
| 55) Styrene                   | 12.176 | 104  | 399108   | 20.797 | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 90980    | 19.702 | ug/L  | 98       |
| 59) Bromoform                 | 12.347 | 173  | 53760    | 22.206 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.463 | 105  | 679553   | 23.516 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 67124    | 22.125 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 563774   | 24.200 | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 546479   | 23.410 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 262093   | 21.891 | ug/L  | 97       |
| 65) 1,4-Dichlorobenzene       | 13.578 | 146  | 263444   | 22.298 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 230763   | 22.366 | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 14781    | 20.860 | ug/L  | 99       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 179902   | 23.106 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 145924   | 23.017 | ug/L  | 97       |
| 71) Naphthalene               | 15.358 | 128  | 252637   | 21.799 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.547 | 180  | 122402   | 22.486 | ug/L  | 99       |

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

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