

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW011622\  
 Data File : VW021962.D  
 Acq On : 15 Jan 2022 22:14  
 Operator : SY/VA  
 Sample : VSTDCCC025EC  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025541

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/17/2022  
 Supervised By :Mahesh Dadoda 01/17/2022

Quant Time: Jan 17 06:43:03 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM011122SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Mon Jan 17 06:38:36 2022  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842          | 114  | 139204     | 25.000   | ug/L   | # 0.00   |
| 28) Chlorobenzene-d5          | 11.634         | 117  | 134876     | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554         | 152  | 80887      | 25.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 2.349          | 65   | 55179      | 21.327   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 85.320%  |        |          |
| 7) Chloroethane-d5            | 2.885          | 69   | 41954      | 17.957   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 71.840%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 4.019          | 63   | 90900      | 22.253   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 89.000%  |        |          |
| 21) 2-Butanone-d5             | 7.098          | 46   | 19931      | 54.577   | ug/L   | 0.01     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 109.160% |        |          |
| 24) Chloroform-d              | 7.653          | 84   | 103086     | 22.923   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 91.680%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.305          | 65   | 49999      | 23.023   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 92.080%  |        |          |
| 32) Benzene-d6                | 8.275          | 84   | 202559     | 23.145   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 92.560%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 9.274          | 67   | 55254      | 23.953   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 95.800%  |        |          |
| 41) Toluene-d8                | 10.323         | 98   | 201762     | 22.869   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 91.480%  |        |          |
| 43) trans-1,3-Dichloroprop... | 10.579         | 79   | 23419      | 23.912   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 95.640%  |        |          |
| 47) 2-Hexanone-d5             | 10.927         | 63   | 18562      | 59.303   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 118.600% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688         | 84   | 45709      | 25.341   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 101.360% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.853         | 152  | 78839      | 23.704   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 94.800%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.001          | 85   | 9363       | 17.062   | ug/L   | 89       |
| 3) Chloromethane              | 2.209          | 50   | 46218      | 23.229   | ug/L   | 98       |
| 5) Vinyl chloride             | 2.361          | 62   | 63980      | 22.384   | ug/L   | 99       |
| 6) Bromomethane               | 2.782          | 94   | 35335      | 17.484   | ug/L   | 98       |
| 8) Chloroethane               | 2.922          | 64   | 35991      | 20.835   | ug/L   | 95       |
| 9) Trichlorofluoromethane     | 3.257          | 101  | 47170      | 22.207   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.068          | 101  | 53849      | 23.291   | ug/L   | 90       |
| 12) 1,1-Dichloroethene        | 4.037          | 96   | 48945      | 23.556   | ug/L   | 80       |
| 13) Acetone                   | 4.172          | 43   | 12104m     | 40.118   | ug/L   |          |
| 14) Carbon disulfide          | 4.385          | 76   | 118723     | 21.824   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.690          | 43   | 15490      | 25.402   | ug/L # | 83       |
| 16) Methylene chloride        | 4.921          | 84   | 48632      | 20.414   | ug/L   | 79       |
| 17) trans-1,2-Dichloroethene  | 5.428          | 96   | 52981      | 23.597   | ug/L   | 77       |
| 18) Methyl tert-butyl Ether   | 5.434          | 73   | 74937      | 26.173   | ug/L # | 89       |
| 19) 1,1-Dichloroethane        | 6.220          | 63   | 82721      | 25.123   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.171          | 96   | 57183      | 24.758   | ug/L   | 72       |
| 22) 2-Butanone                | 7.189          | 43   | 19750      | 51.212   | ug/L   | 84       |
| 23) Bromochloromethane        | 7.519          | 128  | 27719      | 24.119   | ug/L # | 60       |
| 25) Chloroform                | 7.677          | 83   | 94960      | 24.374   | ug/L   | 98       |

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Quant Time: Jan 17 06:43:03 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM011122SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Mon Jan 17 06:38:36 2022  
 Response via : Initial Calibration

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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 55287    | 24.506 | ug/L # | 93       |
| 29) Cyclohexane               | 7.958  | 56   | 74506    | 24.693 | ug/L # | 78       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 85180    | 24.365 | ug/L # | 92       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 81302    | 23.998 | ug/L   | 98       |
| 33) Benzene                   | 8.323  | 78   | 200831   | 24.283 | ug/L   | 100      |
| 34) Trichloroethene           | 9.091  | 95   | 57471    | 23.952 | ug/L   | 86       |
| 35) Methylcyclohexane         | 9.335  | 83   | 95311    | 24.155 | ug/L # | 81       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 44389    | 24.637 | ug/L # | 94       |
| 38) Bromodichloromethane      | 9.646  | 83   | 63587    | 25.281 | ug/L # | 98       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 71935    | 25.695 | ug/L   | 94       |
| 40) 4-Methyl-2-pentanone      | 10.213 | 43   | 46859    | 55.365 | ug/L # | 87       |
| 42) Toluene                   | 10.390 | 91   | 229504   | 24.742 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 10.609 | 75   | 63776    | 27.217 | ug/L   | 96       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 38851    | 25.398 | ug/L   | 93       |
| 46) Tetrachloroethene         | 10.866 | 164  | 55383    | 23.342 | ug/L   | 98       |
| 48) 2-Hexanone                | 10.969 | 43   | 30816    | 53.214 | ug/L # | 87       |
| 49) Dibromochloromethane      | 11.128 | 129  | 49694    | 25.782 | ug/L   | 94       |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 40070    | 26.389 | ug/L # | 100      |
| 51) Chlorobenzene             | 11.658 | 112  | 161382   | 24.641 | ug/L   | 90       |
| 52) Ethylbenzene              | 11.731 | 91   | 257425   | 24.982 | ug/L   | 96       |
| 53) m,p-Xylene                | 11.841 | 106  | 108934   | 25.282 | ug/L   | 80       |
| 54) o-Xylene                  | 12.164 | 106  | 104676   | 26.168 | ug/L   | 87       |
| 55) Styrene                   | 12.182 | 104  | 169770   | 25.707 | ug/L   | 87       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 41903    | 25.459 | ug/L # | 99       |
| 59) Bromoform                 | 12.347 | 173  | 25834    | 23.426 | ug/L # | 98       |
| 60) Isopropylbenzene          | 12.463 | 105  | 277719   | 25.213 | ug/L   | 94       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 30533    | 26.414 | ug/L # | 91       |
| 62) 1,3,5-Trimethylbenzene    | 12.944 | 105  | 236093   | 25.884 | ug/L   | 93       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 231549   | 25.740 | ug/L   | 94       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 132182   | 23.868 | ug/L   | 93       |
| 65) 1,4-Dichlorobenzene       | 13.578 | 146  | 127733   | 23.360 | ug/L   | 91       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 119975   | 24.743 | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 5977     | 26.775 | ug/L # | 64       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 94316    | 22.914 | ug/L   | 100      |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 76914    | 23.451 | ug/L   | 95       |
| 71) Naphthalene               | 15.359 | 128  | 138905   | 27.456 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 64832    | 23.937 | ug/L   | 95       |

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

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