

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW081022\  
 Data File : VW024217.D  
 Acq On : 10 Aug 2022 08:58  
 Operator : SY/VA  
 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 08/11/2022  
 Supervised By : Mahesh Dadoda 08/12/2022

Quant Time: Aug 10 09:28:33 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM080422SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Aug 10 01:09:21 2022  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) 1,4-Difluorobenzene        | 8.842          | 114  | 254470              | 25.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628         | 117  | 265723              | 25.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554         | 152  | 153807              | 25.000 | ug/L   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 4) Vinyl Chloride-d3          | 2.343          | 65   | 136984              | 25.753 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = 103.000% |        |        |          |
| 7) Chloroethane-d5            | 2.873          | 69   | 82951               | 25.035 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = 100.120% |        |        |          |
| 11) 1,1-Dichloroethene-d2     | 4.007          | 63   | 124028              | 20.460 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = 81.840%  |        |        |          |
| 21) 2-Butanone-d5             | 7.080          | 46   | 48303               | 48.811 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = 97.620%  |        |        |          |
| 24) Chloroform-d              | 7.641          | 84   | 183242              | 23.799 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = 95.200%  |        |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.305          | 65   | 104250              | 24.387 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = 97.560%  |        |        |          |
| 32) Benzene-d6                | 8.268          | 84   | 337548              | 21.539 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = 86.160%  |        |        |          |
| 36) 1,2-Dichloropropane-d6    | 9.274          | 67   | 105726              | 22.850 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = 91.400%  |        |        |          |
| 41) Toluene-d8                | 10.317         | 98   | 323461              | 22.082 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = 88.320%  |        |        |          |
| 43) trans-1,3-Dichloroprop... | 10.573         | 79   | 47369               | 23.373 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = 93.480%  |        |        |          |
| 47) 2-Hexanone-d5             | 10.920         | 63   | 44663               | 52.259 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = 104.520% |        |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688         | 84   | 113953              | 25.384 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = 101.520% |        |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.853         | 152  | 133092              | 23.647 | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = 94.600%  |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      |                     |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.001          | 85   | 49051               | 21.910 | ug/L   | 93       |
| 3) Chloromethane              | 2.209          | 50   | 117450              | 27.973 | ug/L   | 99       |
| 5) Vinyl chloride             | 2.349          | 62   | 178889              | 30.606 | ug/L   | 96       |
| 6) Bromomethane               | 2.763          | 94   | 93382               | 27.865 | ug/L   | 93       |
| 8) Chloroethane               | 2.910          | 64   | 72447               | 28.297 | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 3.245          | 101  | 81409               | 29.382 | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.050          | 101  | 87295               | 23.361 | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 4.025          | 96   | 72267               | 23.622 | ug/L   | 97       |
| 13) Acetone                   | 4.123          | 43   | 32634               | 44.792 | ug/L   | 65       |
| 14) Carbon disulfide          | 4.373          | 76   | 219347              | 22.406 | ug/L   | 96       |
| 15) Methyl Acetate            | 4.672          | 43   | 39159m              | 23.862 | ug/L   |          |
| 16) Methylene chloride        | 4.903          | 84   | 97321               | 21.687 | ug/L   | 97       |
| 17) trans-1,2-Dichloroethene  | 5.415          | 96   | 85966               | 24.333 | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 5.428          | 73   | 123056              | 24.427 | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 6.208          | 63   | 162173              | 26.059 | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.165          | 96   | 95207               | 24.538 | ug/L # | 99       |
| 22) 2-Butanone                | 7.171          | 43   | 58244               | 47.441 | ug/L   | 98       |
| 23) Bromochloromethane        | 7.513          | 128  | 46175               | 23.897 | ug/L   | 93       |
| 25) Chloroform                | 7.671          | 83   | 181321              | 26.441 | ug/L   | 98       |

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 ALS Vial : 1 Sample Multiplier: 1

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 Quant Title : SFAM01.0  
 QLast Update : Wed Aug 10 01:09:21 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.396  | 62   | 126044   | 27.315 | ug/L  | 100      |
| 29) Cyclohexane               | 7.951  | 56   | 135526   | 24.877 | ug/L  | 99       |
| 30) 1,1,1-Trichloroethane     | 7.866  | 97   | 148992   | 24.863 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.061  | 117  | 142973   | 25.290 | ug/L  | 96       |
| 33) Benzene                   | 8.323  | 78   | 402221   | 25.629 | ug/L  | 100      |
| 34) Trichloroethene           | 9.091  | 95   | 99582    | 24.006 | ug/L  | 96       |
| 35) Methylcyclohexane         | 9.329  | 83   | 168122   | 25.845 | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 101473   | 26.156 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.640  | 83   | 138499   | 25.453 | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 150273   | 26.329 | ug/L  | 97       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 132791   | 51.574 | ug/L  | 99       |
| 42) Toluene                   | 10.384 | 91   | 445970   | 26.741 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 142807   | 27.383 | ug/L  | 98       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 82402    | 25.200 | ug/L  | 96       |
| 46) Tetrachloroethene         | 10.859 | 164  | 78263    | 23.305 | ug/L  | 94       |
| 48) 2-Hexanone                | 10.969 | 43   | 94415    | 54.033 | ug/L  | 99       |
| 49) Dibromochloromethane      | 11.122 | 129  | 101711   | 25.838 | ug/L  | 97       |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 77702    | 24.802 | ug/L  | 95       |
| 51) Chlorobenzene             | 11.652 | 112  | 297391   | 26.099 | ug/L  | 96       |
| 52) Ethylbenzene              | 11.731 | 91   | 501865   | 27.466 | ug/L  | 100      |
| 53) m,p-Xylene                | 11.835 | 106  | 200125   | 28.137 | ug/L  | 93       |
| 54) o-Xylene                  | 12.164 | 106  | 192197   | 28.603 | ug/L  | 91       |
| 55) Styrene                   | 12.176 | 104  | 340475   | 29.134 | ug/L  | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 110322   | 26.996 | ug/L  | 98       |
| 59) Bromoform                 | 12.347 | 173  | 57340    | 24.441 | ug/L  | 96       |
| 60) Isopropylbenzene          | 12.463 | 105  | 527144   | 28.312 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 76631    | 25.035 | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 444175   | 28.868 | ug/L  | 97       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 436524   | 28.807 | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 13.493 | 146  | 236619   | 25.952 | ug/L  | 95       |
| 65) 1,4-Dichlorobenzene       | 13.572 | 146  | 248267   | 25.715 | ug/L  | 93       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 230208   | 26.589 | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 16474    | 23.036 | ug/L  | 94       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 163215   | 27.300 | ug/L  | 94       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 122849   | 25.658 | ug/L  | 96       |
| 71) Naphthalene               | 15.359 | 128  | 257998   | 27.665 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 116986   | 26.838 | ug/L  | 96       |

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

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