

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW092221\  
 Data File : VW020114.D  
 Acq On : 22 Sep 2021 16:54  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025548

Quant Time: Sep 23 01:20:15 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092121SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Sep 22 05:02:48 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|-------|----------|
| -----                         |                |      |            |          |       |          |
| Internal Standards            |                |      |            |          |       |          |
| 1) 1,4-Difluorobenzene        | 8.848          | 114  | 310320     | 25.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 11.634         | 117  | 297914     | 25.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560         | 152  | 160206     | 25.000   | ug/L  | 0.00     |
|                               |                |      |            |          |       |          |
| System Monitoring Compounds   |                |      |            |          |       |          |
| 4) Vinyl Chloride-d3          | 2.361          | 65   | 148119     | 23.331   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 93.320%  |       |          |
| 7) Chloroethane-d5            | 2.898          | 69   | 120717     | 25.241   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 100.960% |       |          |
| 11) 1,1-Dichloroethene-d2     | 4.032          | 63   | 213626     | 21.492   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 85.960%  |       |          |
| 21) 2-Butanone-d5             | 7.080          | 46   | 46996      | 47.972   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 95.940%  |       |          |
| 24) Chloroform-d              | 7.653          | 84   | 243605     | 24.961   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 99.840%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 8.311          | 65   | 133719     | 25.458   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 101.840% |       |          |
| 32) Benzene-d6                | 8.275          | 84   | 463719     | 24.398   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 97.600%  |       |          |
| 36) 1,2-Dichloropropane-d6    | 9.274          | 67   | 133233     | 24.222   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 96.880%  |       |          |
| 41) Toluene-d8                | 10.323         | 98   | 423869     | 24.510   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 98.040%  |       |          |
| 43) trans-1,3-Dichloroprop... | 10.579         | 79   | 56268      | 23.933   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 95.720%  |       |          |
| 47) 2-Hexanone-d5             | 10.927         | 63   | 39245      | 51.556   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 103.120% |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695         | 84   | 108637     | 25.604   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 102.400% |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.853         | 152  | 142371     | 23.700   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 94.800%  |       |          |
|                               |                |      |            |          |       |          |
| Target Compounds              |                |      |            |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.014          | 85   | 63837      | 23.487   | ug/L  | 99       |
| 3) Chloromethane              | 2.221          | 50   | 105150     | 27.977   | ug/L  | 98       |
| 5) Vinyl chloride             | 2.367          | 62   | 159981     | 27.108   | ug/L  | 99       |
| 6) Bromomethane               | 2.788          | 94   | 107289     | 28.121   | ug/L  | 95       |
| 8) Chloroethane               | 2.934          | 64   | 99609      | 27.911   | ug/L  | 98       |
| 9) Trichlorofluoromethane     | 3.263          | 101  | 89949      | 21.663   | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.068          | 101  | 110668     | 24.380   | ug/L  | 97       |
| 12) 1,1-Dichloroethene        | 4.050          | 96   | 101770     | 24.730   | ug/L  | 85       |
| 13) Acetone                   | 4.129          | 43   | 35318      | 42.094   | ug/L  | 98       |
| 14) Carbon disulfide          | 4.391          | 76   | 333550     | 25.773   | ug/L  | 99       |
| 15) Methyl Acetate            | 4.678          | 43   | 41626      | 25.944   | ug/L  | 99       |
| 16) Methylene chloride        | 4.922          | 84   | 122235     | 22.323   | ug/L  | 97       |
| 17) trans-1,2-Dichloroethene  | 5.428          | 96   | 111792     | 25.786   | ug/L  | 97       |
| 18) Methyl tert-butyl Ether   | 5.434          | 73   | 130897     | 25.434   | ug/L  | 99       |
| 19) 1,1-Dichloroethane        | 6.220          | 63   | 209685     | 26.222   | ug/L  | 99       |
| 20) cis-1,2-Dichloroethene    | 7.171          | 96   | 116780     | 26.486   | ug/L  | 97       |
| 22) 2-Butanone                | 7.177          | 43   | 51086      | 46.932   | ug/L  | 98       |
| 23) Bromochloromethane        | 7.519          | 128  | 54062      | 27.048   | ug/L  | 97       |
| 25) Chloroform                | 7.677          | 83   | 222270     | 26.581   | ug/L  | 98       |

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092121SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Sep 22 05:02:48 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 147494   | 26.803 | ug/L   | 99       |
| 29) Cyclohexane               | 7.964  | 56   | 164676   | 24.842 | ug/L   | 100      |
| 30) 1,1,1-Trichloroethane     | 7.878  | 97   | 181537   | 24.591 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 168157   | 25.036 | ug/L   | 98       |
| 33) Benzene                   | 8.323  | 78   | 476972   | 26.529 | ug/L   | 100      |
| 34) Trichloroethene           | 9.092  | 95   | 121598   | 25.264 | ug/L   | 96       |
| 35) Methylcyclohexane         | 9.335  | 83   | 201983   | 25.756 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.372  | 63   | 118837   | 26.685 | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.646  | 83   | 159433   | 26.438 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 170248   | 25.920 | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 10.213 | 43   | 119337   | 53.208 | ug/L   | 99       |
| 42) Toluene                   | 10.390 | 91   | 523551   | 27.409 | ug/L   | 95       |
| 44) trans-1,3-Dichloropropene | 10.610 | 75   | 155505   | 26.357 | ug/L   | 96       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 85731    | 26.255 | ug/L   | 93       |
| 46) Tetrachloroethene         | 10.866 | 164  | 94658    | 25.445 | ug/L   | 90       |
| 48) 2-Hexanone                | 10.969 | 43   | 82394    | 52.737 | ug/L   | 100      |
| 49) Dibromochloromethane      | 11.128 | 129  | 102047   | 26.745 | ug/L   | 92       |
| 50) 1,2-Dibromoethane         | 11.238 | 107  | 79671    | 25.926 | ug/L   | 98       |
| 51) Chlorobenzene             | 11.658 | 112  | 323075   | 26.005 | ug/L   | 97       |
| 52) Ethylbenzene              | 11.731 | 91   | 565612   | 26.884 | ug/L   | 100      |
| 53) m,p-Xylene                | 11.841 | 106  | 219147   | 27.322 | ug/L   | 98       |
| 54) o-Xylene                  | 12.164 | 106  | 206143   | 27.783 | ug/L   | 99       |
| 55) Styrene                   | 12.182 | 104  | 364604   | 28.280 | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 102420   | 26.260 | ug/L   | 98       |
| 59) Bromoform                 | 12.347 | 173  | 55881    | 25.583 | ug/L   | 94       |
| 60) Isopropylbenzene          | 12.463 | 105  | 560127   | 26.076 | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 76043    | 25.137 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.945 | 105  | 470357   | 26.681 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 466972   | 26.965 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 248885   | 25.264 | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 13.579 | 146  | 253202   | 24.871 | ug/L   | 94       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146  | 230563   | 25.698 | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 16555    | 24.379 | ug/L # | 86       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 159458   | 23.403 | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.133 | 180  | 126798   | 24.113 | ug/L   | 93       |
| 71) Naphthalene               | 15.365 | 128  | 243342   | 26.238 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.554 | 180  | 120146   | 25.374 | ug/L   | 97       |

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

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