

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042922\  
 Data File : VW022687.D  
 Acq On : 29 Apr 2022 09:12  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025506

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/01/2022  
 Supervised By : Mahesh Dadoda 05/04/2022

Quant Time: Apr 29 22:14:43 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040722SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Apr 29 02:06:41 2022  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842          | 114  | 293215     | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.628         | 117  | 288622     | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560         | 152  | 159932     | 25.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 2.355          | 65   | 125601     | 19.377   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 77.520%  |        |          |
| 7) Chloroethane-d5            | 2.891          | 69   | 90778      | 22.346   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 89.400%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 4.025          | 63   | 200533     | 23.852   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 95.400%  |        |          |
| 21) 2-Butanone-d5             | 7.080          | 46   | 53744      | 47.490   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 94.980%  |        |          |
| 24) Chloroform-d              | 7.653          | 84   | 241235     | 26.322   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 105.280% |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.305          | 65   | 123064     | 23.501   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 94.000%  |        |          |
| 32) Benzene-d6                | 8.275          | 84   | 448888     | 25.456   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 101.840% |        |          |
| 36) 1,2-Dichloropropane-d6    | 9.274          | 67   | 128060     | 25.095   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 100.400% |        |          |
| 41) Toluene-d8                | 10.323         | 98   | 420874     | 24.370   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 97.480%  |        |          |
| 43) trans-1,3-Dichloroprop... | 10.573         | 79   | 54265      | 22.532   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 90.120%  |        |          |
| 47) 2-Hexanone-d5             | 10.920         | 63   | 45550      | 47.976   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 95.960%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688         | 84   | 114938     | 26.490   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 105.960% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.847         | 152  | 148024     | 26.130   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 104.520% |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.007          | 85   | 30289      | 21.073   | ug/L   | 98       |
| 3) Chloromethane              | 2.221          | 50   | 75112      | 20.960   | ug/L   | 98       |
| 5) Vinyl chloride             | 2.361          | 62   | 158088     | 21.141   | ug/L   | 100      |
| 6) Bromomethane               | 2.782          | 94   | 91578      | 20.146   | ug/L   | 94       |
| 8) Chloroethane               | 2.928          | 64   | 80006      | 24.439   | ug/L   | 97       |
| 9) Trichlorofluoromethane     | 3.263          | 101  | 93301      | 33.796   | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.074          | 101  | 122353     | 27.833   | ug/L   | 95       |
| 12) 1,1-Dichloroethene        | 4.037          | 96   | 107057     | 27.117   | ug/L   | 91       |
| 13) Acetone                   | 4.117          | 43   | 41371m     | 53.692   | ug/L   |          |
| 14) Carbon disulfide          | 4.385          | 76   | 248272     | 19.116   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.678          | 43   | 42543      | 22.002   | ug/L   | 94       |
| 16) Methylene chloride        | 4.915          | 84   | 119216     | 27.020   | ug/L   | 86       |
| 17) trans-1,2-Dichloroethene  | 5.428          | 96   | 118129     | 25.542   | ug/L   | 92       |
| 18) Methyl tert-butyl Ether   | 5.428          | 73   | 190386     | 25.206   | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 6.220          | 63   | 209685     | 24.848   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.171          | 96   | 133369     | 27.304   | ug/L # | 84       |
| 22) 2-Butanone                | 7.171          | 43   | 56657      | 48.685   | ug/L   | 93       |
| 23) Bromochloromethane        | 7.519          | 128  | 60521      | 28.790   | ug/L   | 83       |
| 25) Chloroform                | 7.677          | 83   | 241261     | 27.145   | ug/L   | 95       |

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 Quant Title : SFAM01.0  
 QLast Update : Fri Apr 29 02:06:41 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.403  | 62   | 149666   | 23.958 | ug/L   | 96       |
| 29) Cyclohexane               | 7.958  | 56   | 173116   | 20.957 | ug/L   | 94       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 207541   | 25.922 | ug/L   | 96       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 188088   | 26.175 | ug/L   | 99       |
| 33) Benzene                   | 8.323  | 78   | 496439   | 25.334 | ug/L   | 100      |
| 34) Trichloroethene           | 9.091  | 95   | 133990   | 25.537 | ug/L   | 98       |
| 35) Methylcyclohexane         | 9.335  | 83   | 212801   | 22.606 | ug/L   | 95       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 122254   | 26.042 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.646  | 83   | 172998   | 25.626 | ug/L # | 98       |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 191134   | 25.659 | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 131867   | 46.028 | ug/L # | 94       |
| 42) Toluene                   | 10.384 | 91   | 568714   | 25.328 | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 167566   | 25.122 | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 98313    | 27.440 | ug/L   | 95       |
| 46) Tetrachloroethene         | 10.859 | 164  | 101340   | 26.276 | ug/L   | 95       |
| 48) 2-Hexanone                | 10.963 | 43   | 92656    | 45.843 | ug/L   | 97       |
| 49) Dibromochloromethane      | 11.128 | 129  | 124573   | 29.154 | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 11.231 | 107  | 93575    | 26.450 | ug/L   | 93       |
| 51) Chlorobenzene             | 11.658 | 112  | 374000   | 27.256 | ug/L   | 94       |
| 52) Ethylbenzene              | 11.725 | 91   | 640375   | 25.443 | ug/L   | 97       |
| 53) m,p-Xylene                | 11.835 | 106  | 256605   | 26.814 | ug/L   | 91       |
| 54) o-Xylene                  | 12.164 | 106  | 248679   | 27.193 | ug/L   | 96       |
| 55) Styrene                   | 12.176 | 104  | 426698   | 27.310 | ug/L   | 94       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 118092   | 26.855 | ug/L   | 98       |
| 59) Bromoform                 | 12.347 | 173  | 62963    | 26.494 | ug/L   | 99       |
| 60) Isopropylbenzene          | 12.463 | 105  | 690921   | 26.007 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 83654    | 24.589 | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 380002   | 26.008 | ug/L   | 96       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 571841   | 25.738 | ug/L   | 94       |
| 64) 1,3-Dichlorobenzene       | 13.493 | 146  | 305029   | 28.290 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 13.578 | 146  | 299204   | 27.824 | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 268492   | 27.844 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 18373    | 23.286 | ug/L   | 88       |
| 69) 1,3,5-Trichlorobenzene    | 14.621 | 180  | 201400   | 28.629 | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.133 | 180  | 162932   | 27.577 | ug/L   | 97       |
| 71) Naphthalene               | 15.359 | 128  | 328679   | 26.376 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 136220   | 26.973 | ug/L   | 97       |

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

