

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD022323\  
 Data File : VD075423.D  
 Acq On : 23 Feb 2023 20:03  
 Operator : KP/SY  
 Sample : VSTDCCC025EC  
 Misc : 5.00G/10.00ml/MSVOA\_D/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD025101

Quant Time: Feb 24 00:03:06 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM022323SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Feb 23 23:55:37 2023  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 8.781          | 114  | 84942      | 25.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.587         | 117  | 76407      | 25.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.522         | 152  | 39469      | 25.000  | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 2.275          | 65   | 37711      | 22.409  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 89.640% |        |          |
| 7) Chloroethane-d5            | 2.805          | 69   | 31908      | 22.423  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 89.680% |        |          |
| 11) 1,1-Dichloroethene-d2     | 3.922          | 63   | 57036      | 22.702  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 90.800% |        |          |
| 21) 2-Butanone-d5             | 6.993          | 46   | 11294      | 45.003  | ug/L   | 0.01     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 90.000% |        |          |
| 24) Chloroform-d              | 7.569          | 84   | 58785      | 24.008  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 96.040% |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.234          | 65   | 28906      | 23.866  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 95.480% |        |          |
| 32) Benzene-d6                | 8.204          | 84   | 112014     | 23.483  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 93.920% |        |          |
| 36) 1,2-Dichloropropane-d6    | 9.210          | 67   | 33192      | 23.410  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 93.640% |        |          |
| 41) Toluene-d8                | 10.269         | 98   | 102943     | 23.870  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 95.480% |        |          |
| 43) trans-1,3-Dichloroprop... | 10.528         | 79   | 13424      | 23.511  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 94.040% |        |          |
| 47) 2-Hexanone-d5             | 10.881         | 63   | 8617       | 46.173  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 92.340% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.657         | 84   | 24793      | 24.740  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 98.960% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.816         | 152  | 30782      | 22.093  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 88.360% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.934          | 85   | 37286      | 22.886  | ug/L   | 97       |
| 3) Chloromethane              | 2.146          | 50   | 45465      | 23.351  | ug/L   | 98       |
| 5) Vinyl chloride             | 2.287          | 62   | 49540      | 22.889  | ug/L   | 99       |
| 6) Bromomethane               | 2.693          | 94   | 26260      | 24.375  | ug/L   | 94       |
| 8) Chloroethane               | 2.840          | 64   | 31650      | 24.005  | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 3.181          | 101  | 57517      | 23.494  | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.969          | 101  | 34520      | 23.485  | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 3.946          | 96   | 29711      | 23.482  | ug/L   | 96       |
| 13) Acetone                   | 4.028          | 43   | 13477      | 39.619  | ug/L   | 96       |
| 14) Carbon disulfide          | 4.275          | 76   | 93545      | 22.933  | ug/L   | 99       |
| 15) Methyl Acetate            | 4.563          | 43   | 14299      | 27.368  | ug/L # | 86       |
| 16) Methylene chloride        | 4.805          | 84   | 36440      | 21.453  | ug/L   | 87       |
| 17) trans-1,2-Dichloroethene  | 5.316          | 96   | 33143      | 25.414  | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 5.316          | 73   | 69464      | 26.106  | ug/L # | 89       |
| 19) 1,1-Dichloroethane        | 6.116          | 63   | 63300      | 25.202  | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.087          | 96   | 35714      | 25.655  | ug/L   | 100      |
| 22) 2-Butanone                | 7.081          | 43   | 17476      | 44.148  | ug/L   | 98       |
| 23) Bromochloromethane        | 7.428          | 128  | 15533      | 25.211  | ug/L   | 84       |
| 25) Chloroform                | 7.599          | 83   | 65690      | 25.487  | ug/L   | 87       |

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 ClientSampleId :  
 VSTD025101

Quant Time: Feb 24 00:03:06 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM022323SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Feb 23 23:55:37 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.328  | 62   | 41687    | 25.731 | ug/L   | 97       |
| 29) Cyclohexane               | 7.881  | 56   | 49641    | 23.725 | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 7.793  | 97   | 56891    | 24.481 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 7.993  | 117  | 47150    | 23.631 | ug/L   | 98       |
| 33) Benzene                   | 8.252  | 78   | 137880   | 25.178 | ug/L   | 100      |
| 34) Trichloroethene           | 9.028  | 95   | 35689    | 24.512 | ug/L   | 95       |
| 35) Methylcyclohexane         | 9.275  | 83   | 55462    | 23.779 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.304  | 63   | 36112    | 25.300 | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.587  | 83   | 46960    | 25.431 | ug/L   | 94       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 52388    | 25.289 | ug/L   | 89       |
| 40) 4-Methyl-2-pentanone      | 10.163 | 43   | 38473    | 50.162 | ug/L   | 99       |
| 42) Toluene                   | 10.334 | 91   | 147859   | 25.487 | ug/L   | 96       |
| 44) trans-1,3-Dichloropropene | 10.557 | 75   | 45118    | 26.182 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.734 | 97   | 25661    | 25.730 | ug/L   | 94       |
| 46) Tetrachloroethene         | 10.810 | 164  | 27832    | 24.228 | ug/L   | 87       |
| 48) 2-Hexanone                | 10.922 | 43   | 27095    | 47.747 | ug/L   | 99       |
| 49) Dibromochloromethane      | 11.075 | 129  | 30346    | 25.883 | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 11.181 | 107  | 23809    | 25.836 | ug/L   | 98       |
| 51) Chlorobenzene             | 11.610 | 112  | 94208    | 25.605 | ug/L   | 99       |
| 52) Ethylbenzene              | 11.687 | 91   | 165950   | 25.894 | ug/L   | 100      |
| 53) m,p-Xylene                | 11.798 | 106  | 61931    | 25.628 | ug/L   | 90       |
| 54) o-Xylene                  | 12.122 | 106  | 58768    | 25.724 | ug/L   | 95       |
| 55) Styrene                   | 12.140 | 104  | 105270   | 26.521 | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 28816    | 26.007 | ug/L # | 97       |
| 59) Bromoform                 | 12.304 | 173  | 17878    | 24.480 | ug/L   | 99       |
| 60) Isopropylbenzene          | 12.422 | 105  | 165215   | 24.929 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.728 | 75   | 19929    | 25.595 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.910 | 105  | 131326   | 25.287 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 129835   | 25.934 | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 13.463 | 146  | 71653    | 24.839 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 13.539 | 146  | 72122    | 24.496 | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 13.834 | 146  | 62238    | 24.611 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.451 | 75   | 4215     | 24.027 | ug/L # | 87       |
| 69) 1,3,5-Trichlorobenzene    | 14.598 | 180  | 46448    | 24.427 | ug/L   | 100      |
| 70) 1,2,4-trichlorobenzene    | 15.104 | 180  | 37001    | 24.187 | ug/L   | 99       |
| 71) Naphthalene               | 15.333 | 128  | 70551    | 25.509 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.528 | 180  | 33592    | 25.463 | ug/L   | 99       |

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

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