

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD042623\  
 Data File : VD075824.D  
 Acq On : 26 Apr 2023 09:48  
 Operator : KP/SY  
 Sample : VSTDCCC025  
 Misc : 5.00G/10.00ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD025132

Quant Time: Apr 27 01:21:37 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM042023SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Apr 26 02:39:47 2023  
 Response via : Initial Calibration

| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) 1,4-Difluorobenzene        | 8.781     | 114   | 383831   | 25.000   | ug/L       | 0.00     |
| 28) Chlorobenzene-d5          | 11.581    | 117   | 346070   | 25.000   | ug/L       | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.516    | 152   | 171721   | 25.000   | ug/L       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 4) Vinyl Chloride-d3          | 2.275     | 65    | 220040   | 26.132   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 104.520% |          |
| 7) Chloroethane-d5            | 2.805     | 69    | 181615   | 24.963   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 150 | Recovery | = 99.840%  |          |
| 11) 1,1-Dichloroethene-d2     | 3.922     | 65    | 52160    | 26.869   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 110 | Recovery | = 107.480% |          |
| 21) 2-Butanone-d5             | 6.987     | 46    | 41441    | 56.692   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 113.380% |          |
| 24) Chloroform-d              | 7.569     | 84    | 254468   | 26.512   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 40 - 150 | Recovery | = 106.040% |          |
| 26) 1,2-Dichloroethane-d4     | 8.228     | 65    | 108268   | 26.414   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 130 | Recovery | = 105.640% |          |
| 32) Benzene-d6                | 8.199     | 84    | 547318   | 27.135   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 20 - 135 | Recovery | = 108.520% |          |
| 36) 1,2-Dichloropropane-d6    | 9.210     | 67    | 150997   | 27.046   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 70 - 120 | Recovery | = 108.200% |          |
| 41) Toluene-d8                | 10.269    | 98    | 518368   | 27.451   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 130 | Recovery | = 109.800% |          |
| 43) trans-1,3-Dichloroprop... | 10.528    | 79    | 61775    | 26.769   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 30 - 135 | Recovery | = 107.080% |          |
| 47) 2-Hexanone-d5             | 10.881    | 63    | 37487    | 55.765   | ug/L       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 20 - 135 | Recovery | = 111.540% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651    | 84    | 113916   | 26.664   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 45 - 120 | Recovery | = 106.640% |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.816    | 152   | 159041   | 26.184   | ug/L       | 0.00     |
| Spiked Amount                 | 25.000    | Range | 75 - 120 | Recovery | = 104.720% |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.934     | 85    | 147968   | 27.964   | ug/L       | 100      |
| 3) Chloromethane              | 2.146     | 50    | 179682   | 24.359   | ug/L       | 98       |
| 5) Vinyl chloride             | 2.287     | 62    | 244421   | 25.354   | ug/L       | 100      |
| 6) Bromomethane               | 2.699     | 94    | 160397   | 24.761   | ug/L       | 99       |
| 8) Chloroethane               | 2.840     | 64    | 150107   | 24.076   | ug/L       | 95       |
| 9) Trichlorofluoromethane     | 3.181     | 101   | 206392   | 26.645   | ug/L       | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.969     | 101   | 145463   | 27.953   | ug/L       | 98       |
| 12) 1,1-Dichloroethene        | 3.946     | 96    | 134242   | 26.600   | ug/L       | 82       |
| 13) Acetone                   | 4.016     | 43    | 32992    | 52.740   | ug/L       | 100      |
| 14) Carbon disulfide          | 4.275     | 76    | 449729   | 25.513   | ug/L       | 99       |
| 15) Methyl Acetate            | 4.563     | 43    | 35618    | 26.273   | ug/L #     | 84       |
| 16) Methylene chloride        | 4.799     | 84    | 154571   | 19.851   | ug/L       | 99       |
| 17) trans-1,2-Dichloroethene  | 5.316     | 96    | 143394   | 25.339   | ug/L       | 96       |
| 18) Methyl tert-butyl Ether   | 5.316     | 73    | 233417   | 25.714   | ug/L #     | 67       |
| 19) 1,1-Dichloroethane        | 6.116     | 63    | 211666   | 25.532   | ug/L       | 97       |
| 20) cis-1,2-Dichloroethene    | 7.081     | 96    | 151654   | 25.344   | ug/L       | 99       |
| 22) 2-Butanone                | 7.087     | 43    | 45517    | 55.813   | ug/L       | 96       |
| 23) Bromochloromethane        | 7.428     | 128   | 72316    | 26.059   | ug/L       | 95       |
| 25) Chloroform                | 7.593     | 83    | 233190   | 25.098   | ug/L       | 100      |

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 ALS Vial : 2 Sample Multiplier: 1

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 ClientSampleId :  
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Quant Time: Apr 27 01:21:37 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM042023SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Apr 26 02:39:47 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.328  | 62   | 124514   | 25.963 | ug/L   | 100      |
| 29) Cyclohexane               | 7.881  | 56   | 170160   | 28.722 | ug/L   | 97       |
| 30) 1,1,1-Trichloroethane     | 7.793  | 97   | 195595   | 26.713 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 7.993  | 117  | 161725   | 27.531 | ug/L   | 99       |
| 33) Benzene                   | 8.252  | 78   | 545039   | 26.037 | ug/L   | 100      |
| 34) Trichloroethene           | 9.028  | 95   | 140745   | 25.999 | ug/L   | 97       |
| 35) Methylcyclohexane         | 9.275  | 83   | 233428   | 27.968 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.304  | 63   | 126094   | 26.223 | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.587  | 83   | 167487   | 25.832 | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 198898   | 26.009 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 10.157 | 43   | 98744    | 56.323 | ug/L   | 97       |
| 42) Toluene                   | 10.334 | 91   | 604411   | 26.681 | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 10.557 | 75   | 164760   | 26.819 | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 10.734 | 97   | 104181   | 25.467 | ug/L   | 95       |
| 46) Tetrachloroethene         | 10.810 | 164  | 121857   | 27.444 | ug/L   | 100      |
| 48) 2-Hexanone                | 10.922 | 43   | 71629    | 57.954 | ug/L   | 94       |
| 49) Dibromochloromethane      | 11.075 | 129  | 115920   | 26.029 | ug/L   | 94       |
| 50) 1,2-Dibromoethane         | 11.181 | 107  | 95287    | 25.836 | ug/L # | 97       |
| 51) Chlorobenzene             | 11.610 | 112  | 386249   | 26.063 | ug/L   | 98       |
| 52) Ethylbenzene              | 11.687 | 91   | 621129   | 26.739 | ug/L   | 98       |
| 53) m,p-Xylene                | 11.793 | 106  | 256974   | 27.782 | ug/L   | 100      |
| 54) o-Xylene                  | 12.122 | 106  | 234016   | 26.637 | ug/L   | 98       |
| 55) Styrene                   | 12.140 | 104  | 421434   | 27.561 | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 110066   | 26.443 | ug/L   | 97       |
| 59) Bromoform                 | 12.298 | 173  | 67753    | 25.744 | ug/L   | 100      |
| 60) Isopropylbenzene          | 12.422 | 105  | 605000   | 26.570 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.728 | 75   | 68520    | 25.401 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 468780   | 27.609 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 448756   | 27.418 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 13.463 | 146  | 284705   | 26.132 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 13.539 | 146  | 292603   | 25.590 | ug/L   | 100      |
| 67) 1,2-Dichlorobenzene       | 13.834 | 146  | 254378   | 26.146 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.445 | 75   | 13691    | 25.388 | ug/L   | 89       |
| 69) 1,3,5-Trichlorobenzene    | 14.592 | 180  | 174929   | 23.955 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.104 | 180  | 142268   | 23.510 | ug/L   | 98       |
| 71) Naphthalene               | 15.334 | 128  | 271745   | 24.539 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 130811   | 24.216 | ug/L   | 99       |

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

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