

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD081023\  
 Data File : VD076975.D  
 Acq On : 10 Aug 2023 21:09  
 Operator : JC/SY  
 Sample : 03965-03MSD  
 Misc : 5.58G/10.0ml/MSVOA\_D/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 A4832MSD

Quant Time: Aug 11 03:08:40 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM080323SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Aug 11 02:51:25 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------------|----------|
| -----                         |        |       |          |          |             |          |
| Internal Standards            |        |       |          |          |             |          |
| 1) 1,4-Difluorobenzene        | 8.775  | 114   | 134619   | 25.000   | ug/L        | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 134190   | 25.000   | ug/L        | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 55735    | 25.000   | ug/L        | 0.00     |
| System Monitoring Compounds   |        |       |          |          |             |          |
| 4) Vinyl Chloride-d3          | 2.269  | 65    | 154365   | 41.696   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | = 166.800%# |          |
| 7) Chloroethane-d5            | 2.793  | 69    | 159081   | 46.482   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | = 185.920%# |          |
| 11) 1,1-Dichloroethene-d2     | 3.910  | 65    | 36924    | 42.093   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | = 168.360%# |          |
| 21) 2-Butanone-d5             | 6.981  | 46    | 41149    | 69.231   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | = 138.460%# |          |
| 24) Chloroform-d              | 7.569  | 84    | 216700   | 49.434   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | = 197.720%# |          |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65    | 116282   | 53.213   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | = 212.840%# |          |
| 32) Benzene-d6                | 8.199  | 84    | 415420   | 49.238   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | = 196.960%# |          |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 129568   | 49.949   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | = 199.800%# |          |
| 41) Toluene-d8                | 10.269 | 98    | 360976   | 46.667   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | = 186.680%# |          |
| 43) trans-1,3-Dichloroprop... | 10.528 | 79    | 45690    | 38.959   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | = 155.840%# |          |
| 47) 2-Hexanone-d5             | 10.881 | 63    | 34756    | 70.143   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | = 140.280%# |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84    | 119904   | 47.836   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | = 191.360%# |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152   | 80081    | 39.301   | ug/L        | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | = 157.200%# |          |
| Target Compounds              |        |       |          |          |             |          |
|                               |        |       |          |          | Qvalue      |          |
| 2) Dichlorodifluoromethane    | 1.928  | 85    | 80274    | 35.976   | ug/L        | 100      |
| 3) Chloromethane              | 2.146  | 50    | 121300   | 41.903   | ug/L        | 99       |
| 5) Vinyl chloride             | 2.275  | 62    | 166104   | 40.125   | ug/L        | 96       |
| 6) Bromomethane               | 2.687  | 94    | 92467    | 29.924   | ug/L        | 97       |
| 8) Chloroethane               | 2.828  | 64    | 115432   | 41.421   | ug/L        | 98       |
| 9) Trichlorofluoromethane     | 3.163  | 101   | 134659   | 39.288   | ug/L        | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.958  | 101   | 78846    | 35.303   | ug/L        | 98       |
| 12) 1,1-Dichloroethene        | 3.928  | 96    | 80254    | 40.525   | ug/L        | 87       |
| 13) Acetone                   | 4.028  | 43    | 27116    | 44.614   | ug/L        | 97       |
| 14) Carbon disulfide          | 4.263  | 76    | 253644   | 36.902   | ug/L        | 99       |
| 15) Methyl Acetate            | 4.569  | 43    | 22997    | 22.386   | ug/L        | 92       |
| 16) Methylene chloride        | 4.793  | 84    | 104191   | 36.897   | ug/L        | 77       |
| 17) trans-1,2-Dichloroethene  | 5.305  | 96    | 90616    | 40.411   | ug/L        | 82       |
| 18) Methyl tert-butyl Ether   | 5.316  | 73    | 232607   | 46.954   | ug/L #      | 90       |
| 19) 1,1-Dichloroethane        | 6.104  | 63    | 158505   | 42.336   | ug/L        | 98       |
| 20) cis-1,2-Dichloroethene    | 7.075  | 96    | 103921   | 41.517   | ug/L        | 92       |
| 22) 2-Butanone                | 7.081  | 43    | 54084    | 63.600   | ug/L        | 90       |
| 23) Bromochloromethane        | 7.428  | 128   | 53017    | 43.668   | ug/L        | 73       |
| 25) Chloroform                | 7.593  | 83    | 178252   | 43.470   | ug/L        | 98       |

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 A4832MSD

Quant Time: Aug 11 03:08:40 2023  
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 Quant Title : SFAM01.0  
 QLast Update : Fri Aug 11 02:51:25 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.322  | 62   | 115228   | 44.836 | ug/L   | 99       |
| 29) Cyclohexane               | 7.875  | 56   | 86996    | 29.451 | ug/L # | 82       |
| 30) 1,1,1-Trichloroethane     | 7.787  | 97   | 135740   | 40.824 | ug/L   | 96       |
| 31) Carbon tetrachloride      | 7.987  | 117  | 108714   | 39.950 | ug/L   | 98       |
| 33) Benzene                   | 8.251  | 78   | 383036   | 43.547 | ug/L   | 100      |
| 34) Trichloroethene           | 9.028  | 95   | 88358    | 38.574 | ug/L   | 96       |
| 35) Methylcyclohexane         | 9.269  | 83   | 80982    | 21.679 | ug/L   | 91       |
| 37) 1,2-Dichloropropane       | 9.304  | 63   | 97362    | 43.574 | ug/L   | 98       |
| 38) Bromodichloromethane      | 9.587  | 83   | 138329   | 44.956 | ug/L   | 94       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 120293   | 33.358 | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 10.163 | 43   | 112819   | 80.137 | ug/L # | 90       |
| 42) Toluene                   | 10.334 | 91   | 383039   | 40.047 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 10.551 | 75   | 113083   | 35.881 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.734 | 97   | 89962    | 45.302 | ug/L   | 99       |
| 46) Tetrachloroethene         | 10.810 | 164  | 57004    | 33.019 | ug/L   | 94       |
| 48) 2-Hexanone                | 10.922 | 43   | 72531    | 66.994 | ug/L # | 93       |
| 49) Dibromochloromethane      | 11.075 | 129  | 95807    | 43.367 | ug/L   | 92       |
| 50) 1,2-Dibromoethane         | 11.181 | 107  | 80041    | 41.327 | ug/L # | 87       |
| 51) Chlorobenzene             | 11.610 | 112  | 222769   | 35.749 | ug/L   | 97       |
| 52) Ethylbenzene              | 11.687 | 91   | 348511   | 34.195 | ug/L   | 97       |
| 53) m,p-Xylene                | 11.792 | 106  | 136365   | 34.676 | ug/L   | 86       |
| 54) o-Xylene                  | 12.122 | 106  | 134896   | 35.665 | ug/L   | 92       |
| 55) Styrene                   | 12.134 | 104  | 208976   | 30.558 | ug/L   | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 100904   | 41.083 | ug/L   | 100      |
| 59) Bromoform                 | 12.298 | 173  | 56142    | 50.792 | ug/L # | 99       |
| 60) Isopropylbenzene          | 12.422 | 105  | 290997   | 36.304 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 12.722 | 75   | 67629    | 51.990 | ug/L   | 95       |
| 62) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 197686   | 32.374 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 199530   | 32.834 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.457 | 146  | 113742   | 31.092 | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 13.539 | 146  | 116093   | 30.701 | ug/L   | 100      |
| 67) 1,2-Dichlorobenzene       | 13.834 | 146  | 104933   | 30.598 | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.445 | 75   | 13370    | 44.858 | ug/L   | 98       |
| 69) 1,3,5-Trichlorobenzene    | 14.592 | 180  | 41739    | 18.232 | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.104 | 180  | 30741    | 15.265 | ug/L   | 98       |
| 71) Naphthalene               | 15.333 | 128  | 97332    | 20.556 | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 25152    | 13.772 | ug/L   | 96       |

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

