

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD050423\  
 Data File : VD075998.D  
 Acq On : 04 May 2023 12:08  
 Operator : KP/SY  
 Sample : 02593-05MS  
 Misc : 5.78G/10.00ml/MSVOA\_D/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DCCJ0MS

Quant Time: May 05 00:48:08 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM042023SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri May 05 00:35:29 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.781  | 114   | 325028   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 296188   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.516 | 152   | 143167   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.275  | 65    | 154217   | 21.629   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 86.520%  |
| 7) Chloroethane-d5            | 2.805  | 69    | 135835   | 22.049   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 88.200%  |
| 11) 1,1-Dichloroethene-d2     | 3.916  | 65    | 34975    | 21.276   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 85.120%  |
| 21) 2-Butanone-d5             | 6.987  | 46    | 28031    | 45.285   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 90.560%  |
| 24) Chloroform-d              | 7.569  | 84    | 188018   | 23.133   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 92.520%  |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65    | 77943    | 22.456   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 89.840%  |
| 32) Benzene-d6                | 8.199  | 84    | 385804   | 22.348   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 89.400%  |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 113050   | 23.659   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 94.640%  |
| 41) Toluene-d8                | 10.269 | 98    | 357780   | 22.138   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 88.560%  |
| 43) trans-1,3-Dichloroprop... | 10.528 | 79    | 42073    | 21.302   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 85.200%  |
| 47) 2-Hexanone-d5             | 10.875 | 63    | 23012    | 39.998   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 80.000%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84    | 81519    | 22.295   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 89.160%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152   | 107247   | 21.178   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 84.720%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.934  | 85    | 112464   | 25.100   | ug/L   | 98       |
| 3) Chloromethane              | 2.146  | 50    | 158449   | 25.367   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.281  | 62    | 205813   | 25.211   | ug/L   | 99       |
| 6) Bromomethane               | 2.693  | 94    | 114432   | 20.861   | ug/L   | 96       |
| 8) Chloroethane               | 2.834  | 64    | 124659   | 23.611   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.175  | 101   | 159540   | 24.323   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.969  | 101   | 111070   | 25.205   | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 3.940  | 96    | 99649    | 23.317   | ug/L   | 89       |
| 13) Acetone                   | 4.016  | 43    | 82451    | 155.650  | ug/L   | 95       |
| 14) Carbon disulfide          | 4.269  | 76    | 338916   | 22.705   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.558  | 43    | 26411    | 23.006   | ug/L   | 93       |
| 16) Methylene chloride        | 4.799  | 84    | 123641   | 18.752   | ug/L   | 93       |
| 17) trans-1,2-Dichloroethene  | 5.316  | 96    | 105916   | 22.103   | ug/L   | 97       |
| 18) Methyl tert-butyl Ether   | 5.322  | 73    | 150261   | 19.548   | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 6.110  | 63    | 170357   | 24.267   | ug/L   | 96       |
| 20) cis-1,2-Dichloroethene    | 7.081  | 96    | 110634   | 21.834   | ug/L   | 95       |
| 22) 2-Butanone                | 7.087  | 43    | 33971    | 49.192   | ug/L   | 94       |
| 23) Bromochloromethane        | 7.422  | 128   | 52860    | 22.494   | ug/L # | 93       |
| 25) Chloroform                | 7.593  | 83    | 183826   | 23.365   | ug/L   | 98       |

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Quant Time: May 05 00:48:08 2023  
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 Quant Title : SFAM01.0  
 QLast Update : Fri May 05 00:35:29 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.328  | 62   | 92926    | 22.882 | ug/L  | 99       |
| 29) Cyclohexane               | 7.881  | 56   | 131032   | 25.842 | ug/L  | 91       |
| 30) 1,1,1-Trichloroethane     | 7.793  | 97   | 150793   | 24.063 | ug/L  | 98       |
| 31) Carbon tetrachloride      | 7.993  | 117  | 120917   | 24.050 | ug/L  | 99       |
| 33) Benzene                   | 8.251  | 78   | 418107   | 23.337 | ug/L  | 100      |
| 34) Trichloroethene           | 9.028  | 95   | 107272   | 23.153 | ug/L  | 98       |
| 35) Methylcyclohexane         | 9.269  | 83   | 170201   | 23.827 | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 9.304  | 63   | 101365   | 24.630 | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.587  | 83   | 126165   | 22.736 | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 143996   | 22.001 | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 10.157 | 43   | 62748    | 41.819 | ug/L  | 95       |
| 42) Toluene                   | 10.334 | 91   | 468606   | 24.170 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 10.551 | 75   | 116123   | 22.086 | ug/L  | 96       |
| 45) 1,1,2-Trichloroethane     | 10.734 | 97   | 77643    | 22.176 | ug/L  | 97       |
| 46) Tetrachloroethene         | 10.810 | 164  | 106592   | 28.049 | ug/L  | 94       |
| 48) 2-Hexanone                | 10.922 | 43   | 43599    | 41.216 | ug/L  | 94       |
| 49) Dibromochloromethane      | 11.075 | 129  | 83112    | 21.805 | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 11.181 | 107  | 66632    | 21.109 | ug/L  | 95       |
| 51) Chlorobenzene             | 11.610 | 112  | 285613   | 22.518 | ug/L  | 99       |
| 52) Ethylbenzene              | 11.687 | 91   | 459094   | 23.092 | ug/L  | 99       |
| 53) m,p-Xylene                | 11.792 | 106  | 188284   | 23.784 | ug/L  | 93       |
| 54) o-Xylene                  | 12.122 | 106  | 174195   | 23.167 | ug/L  | 98       |
| 55) Styrene                   | 12.134 | 104  | 311766   | 23.823 | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 76197    | 21.389 | ug/L  | 99       |
| 59) Bromoform                 | 12.298 | 173  | 46690    | 21.279 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.422 | 105  | 446797   | 23.536 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.728 | 75   | 47942    | 21.317 | ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 326939   | 23.096 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 317255   | 23.250 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 13.457 | 146  | 205227   | 22.594 | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 13.539 | 146  | 212536   | 22.295 | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 13.834 | 146  | 181137   | 22.331 | ug/L  | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.451 | 75   | 8317     | 18.499 | ug/L  | 88       |
| 69) 1,3,5-Trichlorobenzene    | 14.598 | 180  | 118739   | 19.504 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.098 | 180  | 89328    | 17.705 | ug/L  | 99       |
| 71) Naphthalene               | 15.333 | 128  | 153368   | 16.611 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.528 | 180  | 79656    | 17.687 | ug/L  | 99       |

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

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