

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD050223\  
 Data File : VD075972.D  
 Acq On : 02 May 2023 19:01  
 Operator : KP/SY  
 Sample : 02564-18MS  
 Misc : 5.73G/10.00ml/MSVOA\_D/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 DCCN0MS

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 05/03/2023  
 Supervised By :Mahesh Dadoda 05/03/2023

Quant Time: May 03 02:51:06 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM042023SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed May 03 02:37:35 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.781  | 114   | 122847   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.581 | 117   | 128021   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.522 | 152   | 64059    | 25.000   | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.269  | 65    | 60299    | 22.375   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 89.480%   |
| 7) Chloroethane-d5            | 2.799  | 69    | 55408    | 23.796   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 95.200%   |
| 11) 1,1-Dichloroethene-d2     | 3.911  | 65    | 13329    | 21.453   | ug/L   | -0.01     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 85.800%   |
| 21) 2-Butanone-d5             | 6.981  | 46    | 28126    | 120.220  | ug/L   | -0.01     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 240.440%# |
| 24) Chloroform-d              | 7.569  | 84    | 82701    | 26.921   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 107.680%  |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65    | 43722    | 33.328   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 133.320%# |
| 32) Benzene-d6                | 8.204  | 84    | 157550   | 21.115   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 84.440%   |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67    | 50169    | 24.291   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 97.160%   |
| 41) Toluene-d8                | 10.269 | 98    | 145878   | 20.883   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 83.520%   |
| 43) trans-1,3-Dichloroprop... | 10.528 | 79    | 23319    | 27.316   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 109.280%  |
| 47) 2-Hexanone-d5             | 10.875 | 63    | 22949    | 92.285   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 184.560%# |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84    | 65605    | 41.511   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 166.040%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152   | 53052    | 23.414   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 93.640%   |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 1.934  | 85    | 41789    | 24.676   | ug/L   | 99        |
| 3) Chloromethane              | 2.146  | 50    | 75545    | 31.999   | ug/L   | 100       |
| 5) Vinyl chloride             | 2.281  | 62    | 79850    | 25.879   | ug/L   | 99        |
| 6) Bromomethane               | 2.687  | 94    | 44309    | 21.371   | ug/L   | 99        |
| 8) Chloroethane               | 2.834  | 64    | 54788    | 27.456   | ug/L   | 100       |
| 9) Trichlorofluoromethane     | 3.175  | 101   | 60269    | 24.310   | ug/L   | 96        |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.969  | 101   | 40755    | 24.470   | ug/L # | 57        |
| 12) 1,1-Dichloroethene        | 3.940  | 96    | 37152    | 23.001   | ug/L # | 80        |
| 13) Acetone                   | 4.022  | 43    | 54794    | 273.680  | ug/L   | 98        |
| 14) Carbon disulfide          | 4.263  | 76    | 136299   | 24.159   | ug/L   | 98        |
| 15) Methyl Acetate            | 4.569  | 43    | 26639    | 61.394   | ug/L # | 62        |
| 16) Methylene chloride        | 4.799  | 84    | 64551    | 25.902   | ug/L   | 90        |
| 17) trans-1,2-Dichloroethene  | 5.310  | 96    | 44608    | 24.629   | ug/L   | 95        |
| 18) Methyl tert-butyl Ether   | 5.310  | 73    | 100975m  | 34.756   | ug/L   |           |
| 19) 1,1-Dichloroethane        | 6.105  | 63    | 78145    | 29.452   | ug/L   | 96        |
| 20) cis-1,2-Dichloroethene    | 7.069  | 96    | 52401m   | 27.362   | ug/L   |           |
| 22) 2-Butanone                | 7.081  | 43    | 37140    | 142.292  | ug/L   | 92        |
| 23) Bromochloromethane        | 7.428  | 128   | 31286    | 35.225   | ug/L # | 89        |
| 25) Chloroform                | 7.593  | 83    | 87022    | 29.264   | ug/L   | 98        |

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 ALS Vial : 20 Sample Multiplier: 1

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 MSVOA\_D  
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 DCCN0MS

Quant Time: May 03 02:51:06 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM042023SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed May 03 02:37:35 2023  
 Response via : Initial Calibration

Manual Integrations  
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Reviewed By :Krupa Patel 05/03/2023  
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| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.322  | 62   | 58309    | 37.988  | ug/L   | 100      |
| 29) Cyclohexane               | 7.875  | 56   | 40524    | 18.491  | ug/L # | 89       |
| 30) 1,1,1-Trichloroethane     | 7.793  | 97   | 62580    | 23.104  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 7.993  | 117  | 46086    | 21.208  | ug/L   | 97       |
| 33) Benzene                   | 8.251  | 78   | 183742   | 23.728  | ug/L   | 100      |
| 34) Trichloroethene           | 9.028  | 95   | 44144    | 22.043  | ug/L   | 96       |
| 35) Methylcyclohexane         | 9.275  | 83   | 51846    | 16.792  | ug/L   | 95       |
| 37) 1,2-Dichloropropane       | 9.304  | 63   | 51699    | 29.064  | ug/L   | 97       |
| 38) Bromodichloromethane      | 9.587  | 83   | 67392    | 28.098  | ug/L   | 95       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 73415    | 25.951  | ug/L   | 93       |
| 40) 4-Methyl-2-pentanone      | 10.163 | 43   | 63907    | 98.538  | ug/L   | 93       |
| 42) Toluene                   | 10.334 | 91   | 202334   | 24.145  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 10.557 | 75   | 69798    | 30.713  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.734 | 97   | 51687    | 34.155  | ug/L   | 95       |
| 46) Tetrachloroethene         | 10.816 | 164  | 39208    | 23.870  | ug/L   | 94       |
| 48) 2-Hexanone                | 10.922 | 43   | 47421    | 103.717 | ug/L   | 93       |
| 49) Dibromochloromethane      | 11.075 | 129  | 52748    | 32.018  | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 11.181 | 107  | 51317    | 37.613  | ug/L   | 90       |
| 51) Chlorobenzene             | 11.610 | 112  | 135304   | 24.680  | ug/L   | 96       |
| 52) Ethylbenzene              | 11.687 | 91   | 183984   | 21.410  | ug/L   | 97       |
| 53) m,p-Xylene                | 11.792 | 106  | 76780    | 22.439  | ug/L   | 94       |
| 54) o-Xylene                  | 12.122 | 106  | 75134    | 23.118  | ug/L   | 96       |
| 55) Styrene                   | 12.140 | 104  | 141199   | 24.962  | ug/L   | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 67970    | 44.143  | ug/L # | 96       |
| 59) Bromoform                 | 12.298 | 173  | 36813    | 37.497  | ug/L   | 99       |
| 60) Isopropylbenzene          | 12.422 | 105  | 173981   | 20.483  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.728 | 75   | 45533    | 45.248  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 124836   | 19.709  | ug/L   | 95       |
| 63) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 125060   | 20.483  | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 13.463 | 146  | 97909    | 24.091  | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 13.539 | 146  | 104424   | 24.482  | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 13.834 | 146  | 97063    | 26.744  | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.451 | 75   | 10654    | 52.960  | ug/L   | 87       |
| 69) 1,3,5-Trichlorobenzene    | 14.598 | 180  | 55392    | 20.334  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.104 | 180  | 46359    | 20.536  | ug/L   | 99       |
| 71) Naphthalene               | 15.333 | 128  | 128174   | 31.026  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.528 | 180  | 47586    | 23.615  | ug/L   | 98       |

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

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