

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD091024\  
 Data File : VD079809.D  
 Acq On : 10 Sep 2024 10:37  
 Operator : RP/MD  
 Sample : VSTD00538  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD005838

Manual Integrations  
 APPROVED

Reviewed By :Semsettin  
 Yesilyurt

Quant Time: Sep 11 05:55:06 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM091024SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Sep 11 05:52:36 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 8.781  | 114  | 162568   | 25.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117  | 160811   | 25.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.516 | 152  | 71361    | 25.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 2.275  | 65   | 38813    | 5.491  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 2.805  | 69   | 31029    | 5.544  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 3.911  | 65   | 6551m    | 5.104  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 6.993  | 46   | 6459m    | 9.834  | ug/L   | 0.00     |
| 24) Chloroform-d              | 7.563  | 84   | 27290    | 5.107  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65   | 13353    | 4.779  | ug/L   | 0.00     |
| 32) Benzene-d6                | 8.205  | 84   | 57375    | 5.054  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.216  | 67   | 17569    | 5.053  | ug/L   | 0.00     |
| 41) Toluene-d8                | 10.269 | 98   | 46900    | 4.695  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.522 | 79   | 7372     | 4.931  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 10.881 | 63   | 5202     | 9.178  | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.645 | 84   | 13418    | 5.251  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152  | 13317    | 4.948  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.934  | 85   | 16248    | 5.242  | ug/L   | 99       |
| 3) Chloromethane              | 2.146  | 50   | 28038    | 5.160  | ug/L   | 98       |
| 5) Vinyl chloride             | 2.281  | 62   | 34812    | 5.228  | ug/L   | 100      |
| 6) Bromomethane               | 2.693  | 94   | 16052m   | 4.818  | ug/L   |          |
| 8) Chloroethane               | 2.834  | 64   | 23900    | 5.433  | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 3.170  | 101  | 24929    | 5.207  | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.958  | 101  | 13865    | 5.232  | ug/L   | 90       |
| 12) 1,1-Dichloroethene        | 3.940  | 96   | 12158    | 4.926  | ug/L # | 77       |
| 13) Acetone                   | 4.022  | 43   | 6808m    | 8.502  | ug/L   |          |
| 14) Carbon disulfide          | 4.269  | 76   | 44793    | 5.579  | ug/L   | 99       |
| 15) Methyl Acetate            | 4.564  | 43   | 6401     | 5.018  | ug/L # | 91       |
| 16) Methylene chloride        | 4.805  | 84   | 17343    | 5.399  | ug/L   | 96       |
| 17) trans-1,2-Dichloroethene  | 5.316  | 96   | 12968    | 4.927  | ug/L   | 83       |
| 18) Methyl tert-butyl Ether   | 5.322  | 73   | 24924m   | 4.210  | ug/L   |          |
| 19) 1,1-Dichloroethane        | 6.111  | 63   | 25985    | 4.971  | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.087  | 96   | 13277    | 4.582  | ug/L   | 90       |
| 22) 2-Butanone                | 7.081  | 43   | 8072m    | 8.594  | ug/L   |          |
| 23) Bromochloromethane        | 7.428  | 128  | 6631     | 5.391  | ug/L   | 86       |
| 25) Chloroform                | 7.599  | 83   | 26579    | 4.884  | ug/L   | 93       |
| 27) 1,2-Dichloroethane        | 8.328  | 62   | 16951    | 5.097  | ug/L # | 94       |
| 29) Cyclohexane               | 7.875  | 56   | 18479    | 4.646  | ug/L   | 96       |
| 30) 1,1,1-Trichloroethane     | 7.799  | 97   | 21584    | 4.924  | ug/L   | 98       |
| 31) Carbon tetrachloride      | 7.987  | 117  | 19693    | 5.071  | ug/L   | 98       |
| 33) Benzene                   | 8.252  | 78   | 57586    | 4.809  | ug/L   | 100      |
| 34) Trichloroethene           | 9.028  | 95   | 13503    | 4.871  | ug/L   | 90       |
| 35) Methylcyclohexane         | 9.275  | 83   | 19794    | 4.433  | ug/L   | 94       |
| 37) 1,2-Dichloropropane       | 9.310  | 63   | 16340    | 5.004  | ug/L # | 100      |
| 38) Bromodichloromethane      | 9.581  | 83   | 18322    | 4.815  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 20904    | 4.559  | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 10.157 | 43   | 14843    | 8.683  | ug/L   | 95       |
| 42) Toluene                   | 10.334 | 91   | 59624    | 4.727  | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 10.551 | 75   | 18309    | 4.530  | ug/L   | 100      |

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM091024SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Sep 11 05:52:36 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 45) 1,1,2-Trichloroethane     | 10.728 | 97   | 11123    | 4.985 | ug/L   | 88       |
| 46) Tetrachloroethene         | 10.810 | 164  | 10021    | 5.335 | ug/L   | 88       |
| 48) 2-Hexanone                | 10.916 | 43   | 11584    | 8.331 | ug/L # | 95       |
| 49) Dibromochloromethane      | 11.069 | 129  | 12037    | 4.943 | ug/L   | 91       |
| 50) 1,2-Dibromoethane         | 11.175 | 107  | 9573     | 4.968 | ug/L # | 93       |
| 51) Chlorobenzene             | 11.604 | 112  | 36676    | 4.845 | ug/L   | 97       |
| 52) Ethylbenzene              | 11.681 | 91   | 59072    | 4.458 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.793 | 106  | 22727    | 4.528 | ug/L   | 88       |
| 54) o-Xylene                  | 12.122 | 106  | 22255    | 4.523 | ug/L   | 72       |
| 55) Styrene                   | 12.134 | 104  | 37707    | 4.360 | ug/L   | 94       |
| 57) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 12886    | 4.927 | ug/L # | 86       |
| 59) Bromoform                 | 12.298 | 173  | 6217     | 5.047 | ug/L # | 94       |
| 60) Isopropylbenzene          | 12.422 | 105  | 55710    | 4.522 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.722 | 75   | 8850     | 5.045 | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 12.898 | 105  | 34411    | 3.819 | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 41017    | 4.341 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 13.457 | 146  | 23998    | 4.713 | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 13.534 | 146  | 25959    | 4.861 | ug/L   | 92       |
| 67) 1,2-Dichlorobenzene       | 13.828 | 146  | 21066    | 4.578 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 14.445 | 75   | 1560     | 4.347 | ug/L # | 81       |
| 69) 1,3,5-Trichlorobenzene    | 14.587 | 180  | 14530    | 4.707 | ug/L   | 94       |
| 70) 1,2,4-trichlorobenzene    | 15.098 | 180  | 11581    | 4.455 | ug/L # | 93       |
| 71) Naphthalene               | 15.328 | 128  | 25599    | 4.409 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.516 | 180  | 10691    | 4.598 | ug/L   | 94       |

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

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