

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD031825\  
 Data File : VD080278.D  
 Acq On : 18 Mar 2025 12:28  
 Operator : RP/MD  
 Sample : VSTD10074  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD100874

Quant Time: Mar 24 09:12:06 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM031825SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Mon Mar 24 09:08:12 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Romaben Patel 03/24/2025  
 Supervised By :Mahesh Dadoda 03/25/2025

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Difluorobenzene        | 8.775  | 114  | 195961   | 25.00  | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117  | 196827   | 25.00  | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.516 | 152  | 114772   | 25.00  | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 4) Vinyl Chloride-d3          | 2.264  | 65   | 536966   | 83.22  | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 2.787  | 69   | 500523   | 87.05  | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 3.905  | 65   | 128629   | 94.36  | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 6.987  | 46   | 133299   | 191.65 | ug/L  | 0.00     |
| 24) Chloroform-d              | 7.563  | 84   | 579075   | 95.82  | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65   | 316296   | 95.79  | ug/L  | 0.00     |
| 32) Benzene-d6                | 8.199  | 84   | 1164826  | 101.28 | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67   | 343226   | 92.51  | ug/L  | 0.00     |
| 41) Toluene-d8                | 10.269 | 98   | 1129981  | 108.84 | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.522 | 79   | 160276   | 104.94 | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 10.875 | 63   | 128606   | 239.54 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.645 | 84   | 336566   | 102.08 | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152  | 380379   | 94.61  | ug/L  | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
| 2) Dichlorodifluoromethane    | 1.934  | 85   | 305556   | 83.89  | ug/L  | 98       |
| 3) Chloromethane              | 2.146  | 50   | 486202   | 82.61  | ug/L  | 99       |
| 5) Vinyl chloride             | 2.275  | 62   | 658442   | 86.04  | ug/L  | 95       |
| 6) Bromomethane               | 2.675  | 94   | 400321   | 100.52 | ug/L  | 93       |
| 8) Chloroethane               | 2.822  | 64   | 432150   | 83.52  | ug/L  | 99       |
| 9) Trichlorofluoromethane     | 3.164  | 101  | 481426   | 84.33  | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.952  | 101  | 282102   | 83.68  | ug/L  | 97       |
| 12) 1,1-Dichloroethene        | 3.928  | 96   | 273458   | 95.26  | ug/L  | 89       |
| 13) Acetone                   | 4.022  | 43   | 118746   | 163.04 | ug/L  | 96       |
| 14) Carbon disulfide          | 4.258  | 76   | 948656   | 89.22  | ug/L  | 99       |
| 15) Methyl Acetate            | 4.564  | 43   | 144943   | 89.09  | ug/L  | 96       |
| 16) Methylene chloride        | 4.793  | 84   | 316412   | 82.43  | ug/L  | 90       |
| 17) trans-1,2-Dichloroethene  | 5.305  | 96   | 298926   | 96.27  | ug/L  | 94       |
| 18) Methyl tert-butyl Ether   | 5.316  | 73   | 708517   | 108.67 | ug/L  | 99       |
| 19) 1,1-Dichloroethane        | 6.105  | 63   | 510786   | 82.87  | ug/L  | 97       |
| 20) cis-1,2-Dichloroethene    | 7.075  | 96   | 301207   | 89.99  | ug/L  | 96       |
| 22) 2-Butanone                | 7.081  | 43   | 156907m  | 166.48 | ug/L  |          |
| 23) Bromochloromethane        | 7.422  | 128  | 143372   | 89.67  | ug/L  | 96       |
| 25) Chloroform                | 7.593  | 83   | 555005   | 85.04  | ug/L  | 98       |
| 27) 1,2-Dichloroethane        | 8.322  | 62   | 336559   | 82.59  | ug/L  | 99       |
| 29) Cyclohexane               | 7.875  | 56   | 467547   | 100.89 | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 7.793  | 97   | 439516   | 84.97  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 7.987  | 117  | 391186   | 86.16  | ug/L  | 99       |
| 33) Benzene                   | 8.246  | 78   | 1188802  | 92.95  | ug/L  | 100      |
| 34) Trichloroethene           | 9.028  | 95   | 281819   | 82.54  | ug/L  | 97       |
| 35) Methylcyclohexane         | 9.275  | 83   | 459435   | 94.97  | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 9.304  | 63   | 301287   | 81.20  | ug/L  | 100      |
| 38) Bromodichloromethane      | 9.581  | 83   | 424598   | 90.15  | ug/L  | 94       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 535500   | 99.58  | ug/L  | 95       |
| 40) 4-Methyl-2-pentanone      | 10.157 | 43   | 430749   | 219.39 | ug/L  | 97       |
| 42) Toluene                   | 10.334 | 91   | 1388660  | 101.67 | ug/L  | 98       |
| 44) trans-1,3-Dichloropropene | 10.551 | 75   | 444032   | 98.88  | ug/L  | 99       |

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Quant Time: Mar 24 09:12:06 2025  
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 Quant Title : SFAM01.0  
 QLast Update : Mon Mar 24 09:08:12 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 45) 1,1,2-Trichloroethane     | 10.734 | 97   | 237606   | 85.52  | ug/L   | 98       |
| 46) Tetrachloroethene         | 10.810 | 164  | 234439   | 88.35  | ug/L   | 97       |
| 48) 2-Hexanone                | 10.922 | 43   | 257567   | 184.68 | ug/L   | 96       |
| 49) Dibromochloromethane      | 11.069 | 129  | 270327   | 86.07  | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 11.175 | 107  | 224980   | 91.39  | ug/L # | 100      |
| 51) Chlorobenzene             | 11.604 | 112  | 796124   | 87.97  | ug/L   | 96       |
| 52) Ethylbenzene              | 11.681 | 91   | 1411300  | 94.85  | ug/L   | 98       |
| 53) m,p-Xylene                | 11.793 | 106  | 537731   | 97.68  | ug/L   | 99       |
| 54) o-Xylene                  | 12.122 | 106  | 536701   | 102.70 | ug/L   | 94       |
| 55) Styrene                   | 12.134 | 104  | 975781   | 103.01 | ug/L   | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 327220   | 97.26  | ug/L   | 97       |
| 59) Bromoform                 | 12.298 | 173  | 171420   | 80.63  | ug/L   | 99       |
| 60) Isopropylbenzene          | 12.416 | 105  | 1508236  | 97.61  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.722 | 75   | 214480   | 84.36  | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.898 | 105  | 1218720  | 100.11 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 1230398  | 99.46  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.457 | 146  | 686381   | 88.89  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 13.534 | 146  | 717800   | 86.34  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 13.828 | 146  | 621359   | 87.06  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 14.445 | 75   | 43885    | 72.93  | ug/L   | 92       |
| 69) 1,3,5-Trichlorobenzene    | 14.592 | 180  | 442701   | 87.17  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.098 | 180  | 382275   | 90.35  | ug/L   | 100      |
| 71) Naphthalene               | 15.328 | 128  | 767799   | 96.60  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.516 | 180  | 357101   | 93.49  | ug/L   | 99       |

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

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