

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD120524\  
 Data File : VD080101.D  
 Acq On : 05 Dec 2024 10:44  
 Operator : RP/MD  
 Sample : VSTD00551  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD005851

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 12/06/2024  
 Supervised By :Semsettin Yesilyurt 12/06/2024

Quant Time: Dec 06 00:46:53 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM120524SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 06 00:46:05 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 8.775  | 114  | 258897   | 25.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117  | 247607   | 25.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.516 | 152  | 121778   | 25.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 2.270  | 65   | 22761    | 4.912  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 2.799  | 69   | 18682    | 5.169  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 3.917  | 65   | 8572     | 5.633  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 6.987  | 46   | 6599     | 7.827  | ug/L   | 0.00     |
| 24) Chloroform-d              | 7.569  | 84   | 35189    | 4.898  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.228  | 65   | 18314    | 4.721  | ug/L   | 0.00     |
| 32) Benzene-d6                | 8.199  | 84   | 71025    | 4.840  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67   | 22496    | 4.891  | ug/L   | 0.00     |
| 41) Toluene-d8                | 10.269 | 98   | 63457    | 4.492  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.522 | 79   | 8873     | 4.438  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 10.875 | 63   | 5679     | 7.955  | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84   | 18345    | 4.646  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.816 | 152  | 20894    | 4.777  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.934  | 85   | 16938    | 3.903  | ug/L   | 98       |
| 3) Chloromethane              | 2.146  | 50   | 17425    | 4.289  | ug/L   | 95       |
| 5) Vinyl chloride             | 2.281  | 62   | 20388    | 3.853  | ug/L   | 94       |
| 6) Bromomethane               | 2.687  | 94   | 12462    | 4.710  | ug/L   | 96       |
| 8) Chloroethane               | 2.828  | 64   | 14519    | 4.804  | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.170  | 101  | 32857    | 5.174  | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.958  | 101  | 18979    | 5.116  | ug/L   | 95       |
| 12) 1,1-Dichloroethene        | 3.934  | 96   | 16934    | 5.089  | ug/L   | 95       |
| 13) Acetone                   | 4.034  | 43   | 13098    | 10.520 | ug/L   | 65       |
| 14) Carbon disulfide          | 4.269  | 76   | 61735    | 5.031  | ug/L   | 96       |
| 15) Methyl Acetate            | 4.569  | 43   | 7913m    | 5.069  | ug/L   |          |
| 16) Methylene chloride        | 4.799  | 84   | 20070    | 5.126  | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 5.305  | 96   | 18282m   | 4.906  | ug/L   |          |
| 18) Methyl tert-butyl Ether   | 5.328  | 73   | 34788    | 4.596  | ug/L # | 81       |
| 19) 1,1-Dichloroethane        | 6.111  | 63   | 34092    | 5.093  | ug/L   | 96       |
| 20) cis-1,2-Dichloroethene    | 7.075  | 96   | 19518    | 4.809  | ug/L   | 90       |
| 22) 2-Butanone                | 7.087  | 43   | 12338    | 9.337  | ug/L   | 79       |
| 23) Bromochloromethane        | 7.428  | 128  | 9581     | 5.196  | ug/L   | 92       |
| 25) Chloroform                | 7.599  | 83   | 38277    | 5.231  | ug/L   | 97       |
| 27) 1,2-Dichloroethane        | 8.328  | 62   | 21753    | 4.949  | ug/L # | 91       |
| 29) Cyclohexane               | 7.869  | 56   | 24320    | 4.368  | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 7.799  | 97   | 29536    | 5.108  | ug/L # | 90       |
| 31) Carbon tetrachloride      | 7.987  | 117  | 26036    | 5.007  | ug/L   | 100      |
| 33) Benzene                   | 8.252  | 78   | 74181    | 4.726  | ug/L   | 100      |
| 34) Trichloroethene           | 9.028  | 95   | 19824    | 5.148  | ug/L   | 92       |
| 35) Methylcyclohexane         | 9.275  | 83   | 27242    | 4.274  | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 9.305  | 63   | 20663    | 4.937  | ug/L # | 90       |
| 38) Bromodichloromethane      | 9.587  | 83   | 25400    | 4.991  | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 28706    | 4.672  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.163 | 43   | 19440    | 8.738  | ug/L   | 98       |
| 42) Toluene                   | 10.334 | 91   | 78275    | 4.518  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 10.552 | 75   | 24095    | 4.463  | ug/L   | 99       |

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 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD005851

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Reviewed By :Mahesh Dadoda 12/06/2024  
 Supervised By :Semsettin Yesilyurt 12/06/2024

Quant Time: Dec 06 00:46:53 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM120524SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 06 00:46:05 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 45) 1,1,2-Trichloroethane     | 10.734 | 97   | 15466    | 5.029 | ug/L   | 96       |
| 46) Tetrachloroethene         | 10.810 | 164  | 16456    | 5.071 | ug/L   | 95       |
| 48) 2-Hexanone                | 10.922 | 43   | 16315    | 8.105 | ug/L   | 99       |
| 49) Dibromochloromethane      | 11.075 | 129  | 17744    | 5.049 | ug/L   | 94       |
| 50) 1,2-Dibromoethane         | 11.181 | 107  | 13915    | 4.748 | ug/L # | 98       |
| 51) Chlorobenzene             | 11.604 | 112  | 53165    | 5.027 | ug/L   | 94       |
| 52) Ethylbenzene              | 11.681 | 91   | 81792    | 4.403 | ug/L   | 97       |
| 53) m,p-Xylene                | 11.793 | 106  | 30001    | 4.238 | ug/L   | 95       |
| 54) o-Xylene                  | 12.122 | 106  | 28933    | 4.255 | ug/L   | 89       |
| 55) Styrene                   | 12.134 | 104  | 52058    | 4.284 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.669 | 83   | 17757    | 4.816 | ug/L # | 92       |
| 59) Bromoform                 | 12.298 | 173  | 10577    | 5.100 | ug/L   | 95       |
| 60) Isopropylbenzene          | 12.422 | 105  | 77413    | 4.700 | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 12.722 | 75   | 12608    | 5.478 | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 58212    | 4.448 | ug/L   | 95       |
| 63) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 57664    | 4.429 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 13.457 | 146  | 39153    | 4.999 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 13.540 | 146  | 40610    | 5.074 | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 13.828 | 146  | 36119    | 5.085 | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.445 | 75   | 2883     | 5.634 | ug/L # | 77       |
| 69) 1,3,5-Trichlorobenzene    | 14.592 | 180  | 25870    | 4.816 | ug/L   | 95       |
| 70) 1,2,4-trichlorobenzene    | 15.098 | 180  | 20943    | 4.681 | ug/L   | 94       |
| 71) Naphthalene               | 15.334 | 128  | 38109    | 4.765 | ug/L   | 97       |
| 72) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 19503    | 4.791 | ug/L   | 96       |

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

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ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTD005851

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