

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120321\  
 Data File : VY006923.D  
 Acq On : 03 Dec 2021 17:43  
 Operator : SY/MD  
 Sample : VSTD00502  
 Misc : 5.00g/10.0mL/MSVOA\_Y/soil  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VSTD005802

Manual Integrations  
 APPROVED

Reviewed By :John  
 Carlone

Quant Time: Dec 04 02:11:21 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\SFAMLYM120321SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Dec 04 02:08:44 2021  
 Response via : Initial Calibration

12/04/2021  
 Supervised By :Mahesh  
 Dadoda

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 8.691  | 114  | 191285   | 25.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.489 | 117  | 180542   | 25.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.422 | 152  | 89030    | 25.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 2.247  | 65   | 12447    | 4.038  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 2.765  | 69   | 10355    | 4.530  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 3.851  | 63   | 26491    | 5.040  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 6.887  | 46   | 11363m   | 13.060 | ug/L   | 0.00     |
| 24) Chloroform-d              | 7.478  | 84   | 26760    | 5.636  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.142  | 65   | 15903    | 5.183  | ug/L   | 0.00     |
| 32) Benzene-d6                | 8.112  | 84   | 52279    | 5.344  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.124  | 67   | 17348    | 6.005  | ug/L   | 0.00     |
| 41) Toluene-d8                | 10.179 | 98   | 48285    | 5.182  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.441 | 79   | 7707     | 5.186  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 10.788 | 63   | 8097     | 12.656 | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.556 | 84   | 13740    | 6.018  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.721 | 152  | 15926    | 5.284  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.918  | 85   | 6064m    | 1.972  | ug/L   |          |
| 3) Chloromethane              | 2.113  | 50   | 12435    | 3.864  | ug/L   | 96       |
| 5) Vinyl chloride             | 2.253  | 62   | 16746    | 4.209  | ug/L   | 93       |
| 6) Bromomethane               | 2.662  | 94   | 10650    | 5.701  | ug/L   | 89       |
| 8) Chloroethane               | 2.808  | 64   | 10027    | 4.456  | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 3.125  | 101  | 11410    | 2.493  | ug/L   | 97       |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.912  | 101  | 12036    | 4.753  | ug/L   | 95       |
| 12) 1,1-Dichloroethene        | 3.875  | 96   | 12505    | 5.022  | ug/L   | 89       |
| 13) Acetone                   | 3.936  | 43   | 9943     | 10.625 | ug/L   | 72       |
| 14) Carbon disulfide          | 4.192  | 76   | 42628    | 4.818  | ug/L   | 99       |
| 15) Methyl Acetate            | 4.479  | 43   | 9924     | 6.202  | ug/L   | 97       |
| 16) Methylene chloride        | 4.716  | 84   | 18432    | 5.448  | ug/L   | 95       |
| 17) trans-1,2-Dichloroethene  | 5.222  | 96   | 13428    | 5.023  | ug/L   | 93       |
| 18) Methyl tert-butyl Ether   | 5.222  | 73   | 23718    | 3.629  | ug/L # | 94       |
| 19) 1,1-Dichloroethane        | 6.021  | 63   | 25438    | 5.199  | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 6.990  | 96   | 14612    | 5.191  | ug/L   | 92       |
| 22) 2-Butanone                | 6.990  | 43   | 12412    | 10.946 | ug/L   | 96       |
| 23) Bromochloromethane        | 7.338  | 128  | 6437     | 5.006  | ug/L # | 88       |
| 25) Chloroform                | 7.508  | 83   | 25814    | 4.897  | ug/L   | 99       |
| 27) 1,2-Dichloroethane        | 8.234  | 62   | 18438    | 4.896  | ug/L   | 97       |
| 29) Cyclohexane               | 7.789  | 56   | 23098    | 4.819  | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 7.697  | 97   | 22515    | 4.802  | ug/L   | 98       |
| 31) Carbon tetrachloride      | 7.899  | 117  | 20979    | 4.880  | ug/L   | 100      |
| 33) Benzene                   | 8.161  | 78   | 57326    | 4.987  | ug/L   | 100      |
| 34) Trichloroethene           | 8.941  | 95   | 13879    | 4.793  | ug/L   | 95       |
| 35) Methylcyclohexane         | 9.185  | 83   | 24820    | 4.872  | ug/L   | 95       |
| 37) 1,2-Dichloropropane       | 9.215  | 63   | 14698    | 5.288  | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.496  | 83   | 18583    | 4.908  | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene   | 9.929  | 75   | 23022    | 5.233  | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 10.069 | 43   | 25456    | 11.323 | ug/L   | 99       |
| 42) Toluene                   | 10.246 | 91   | 60462    | 4.865  | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 10.465 | 75   | 20744    | 4.988  | ug/L   | 97       |

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 ALS Vial : 4 Sample Multiplier: 1

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Reviewed By :John  
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12/04/2021  
 Supervised By :Mahesh  
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 Quant Title : VOC Analysis  
 QLast Update : Sat Dec 04 02:08:44 2021  
 Response via : Initial Calibration

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|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| 45) 1,1,2-Trichloroethane     | 10.648 | 97   | 10611    | 5.168 | ug/L  | 99       |
| 46) Tetrachloroethene         | 10.715 | 164  | 11820    | 4.875 | ug/L  | 92       |
| 48) 2-Hexanone                | 10.831 | 43   | 16175    | 9.639 | ug/L  | 99       |
| 49) Dibromochloromethane      | 10.983 | 129  | 13062    | 5.097 | ug/L  | 95       |
| 50) 1,2-Dibromoethane         | 11.087 | 107  | 10279    | 5.350 | ug/L  | 95       |
| 51) Chlorobenzene             | 11.514 | 112  | 37414    | 4.950 | ug/L  | 96       |
| 52) Ethylbenzene              | 11.593 | 91   | 63800    | 4.797 | ug/L  | 99       |
| 53) m,p-Xylene                | 11.697 | 106  | 24234    | 4.787 | ug/L  | 95       |
| 54) o-Xylene                  | 12.032 | 106  | 22413    | 4.626 | ug/L  | 95       |
| 55) Styrene                   | 12.044 | 104  | 38871    | 4.587 | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.581 | 83   | 13360    | 5.777 | ug/L  | 96       |
| 59) Bromoform                 | 12.203 | 173  | 8356     | 5.206 | ug/L  | 99       |
| 60) Isopropylbenzene          | 12.331 | 105  | 59275    | 4.730 | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 12.636 | 75   | 10236    | 5.496 | ug/L  | 97       |
| 62) 1,3,5-Trimethylbenzene    | 12.812 | 105  | 49810    | 4.889 | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.117 | 105  | 48277    | 4.792 | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 13.367 | 146  | 28153    | 5.014 | ug/L  | 96       |
| 65) 1,4-Dichlorobenzene       | 13.446 | 146  | 28871    | 5.112 | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 13.739 | 146  | 24746    | 4.862 | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.355 | 75   | 2177     | 5.042 | ug/L  | 80       |
| 69) 1,3,5-Trichlorobenzene    | 14.501 | 180  | 18490    | 4.717 | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.007 | 180  | 14272    | 4.517 | ug/L  | 99       |
| 71) Naphthalene               | 15.239 | 128  | 28300    | 4.566 | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.422 | 180  | 12529    | 4.610 | ug/L  | 98       |
| -----                         |        |      |          |       |       |          |

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

