

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD110923\  
 Data File : VD077524.D  
 Acq On : 09 Nov 2023 08:52  
 Operator : JC/SY  
 Sample : VSTD2.577  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD2.5177

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 11/10/2023  
 Supervised By :Semsettin Yesilyurt 11/10/2023

Quant Time: Nov 10 00:03:53 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM110923SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Nov 10 00:03:14 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 8.781  | 114  | 354486   | 25.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.581 | 117  | 320906   | 25.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.522 | 152  | 147947   | 25.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 2.281  | 65   | 25567    | 2.835  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 2.811  | 69   | 20213    | 2.853  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 3.922  | 65   | 7872     | 2.823  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 6.993  | 46   | 7857m    | 5.200  | ug/L   | 0.00     |
| 24) Chloroform-d              | 7.569  | 84   | 25635    | 2.503  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 8.234  | 65   | 13732    | 2.521  | ug/L   | 0.00     |
| 32) Benzene-d6                | 8.204  | 84   | 53115    | 2.550  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 9.210  | 67   | 17953    | 2.646  | ug/L   | 0.00     |
| 41) Toluene-d8                | 10.269 | 98   | 47712    | 2.535  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 10.528 | 79   | 7432     | 2.541  | ug/L   | 0.00     |
| 47) 2-Hexanone-d5             | 10.875 | 63   | 6274     | 5.170  | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 12.651 | 84   | 11149    | 2.480  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 13.822 | 152  | 12740    | 2.421  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.934  | 85   | 14882    | 2.607  | ug/L   | 100      |
| 3) Chloromethane              | 2.152  | 50   | 20900    | 2.545  | ug/L   | 95       |
| 5) Vinyl chloride             | 2.287  | 62   | 23477    | 2.532  | ug/L   | 98       |
| 6) Bromomethane               | 2.699  | 94   | 11385    | 2.307  | ug/L   | 98       |
| 8) Chloroethane               | 2.846  | 64   | 14700    | 2.551  | ug/L   | 94       |
| 9) Trichlorofluoromethane     | 3.187  | 101  | 20798    | 2.465  | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.975  | 101  | 12744m   | 2.455  | ug/L   |          |
| 12) 1,1-Dichloroethene        | 3.946  | 96   | 12442    | 2.455  | ug/L   | 94       |
| 13) Acetone                   | 4.028  | 43   | 7855     | 4.787  | ug/L   | 78       |
| 14) Carbon disulfide          | 4.275  | 76   | 45946    | 2.531  | ug/L   | 100      |
| 15) Methyl Acetate            | 4.575  | 43   | 6952     | 2.575  | ug/L # | 64       |
| 16) Methylene chloride        | 4.810  | 84   | 18169    | 3.034  | ug/L   | 92       |
| 17) trans-1,2-Dichloroethene  | 5.316  | 96   | 13006    | 2.453  | ug/L   | 95       |
| 18) Methyl tert-butyl Ether   | 5.316  | 73   | 30500    | 2.451  | ug/L # | 69       |
| 19) 1,1-Dichloroethane        | 6.116  | 63   | 26178    | 2.460  | ug/L   | 94       |
| 20) cis-1,2-Dichloroethene    | 7.087  | 96   | 14656    | 2.544  | ug/L   | 87       |
| 22) 2-Butanone                | 7.087  | 43   | 9866     | 4.939  | ug/L   | 79       |
| 23) Bromochloromethane        | 7.428  | 128  | 5672     | 2.450  | ug/L   | 88       |
| 25) Chloroform                | 7.599  | 83   | 24183    | 2.474  | ug/L   | 93       |
| 27) 1,2-Dichloroethane        | 8.334  | 62   | 16100    | 2.485  | ug/L   | 96       |
| 29) Cyclohexane               | 7.881  | 56   | 25989    | 2.494  | ug/L   | 97       |
| 30) 1,1,1-Trichloroethane     | 7.793  | 97   | 20793    | 2.475  | ug/L   | 98       |
| 31) Carbon tetrachloride      | 7.993  | 117  | 17688    | 2.450  | ug/L   | 96       |
| 33) Benzene                   | 8.251  | 78   | 53281    | 2.394  | ug/L   | 100      |
| 34) Trichloroethene           | 9.034  | 95   | 13222    | 2.398  | ug/L   | 94       |
| 35) Methylcyclohexane         | 9.281  | 83   | 23565    | 2.369  | ug/L   | 93       |
| 37) 1,2-Dichloropropane       | 9.310  | 63   | 15296    | 2.472  | ug/L # | 95       |
| 38) Bromodichloromethane      | 9.581  | 83   | 17362    | 2.447  | ug/L # | 98       |
| 39) cis-1,3-Dichloropropene   | 10.016 | 75   | 22747    | 2.393  | ug/L   | 94       |
| 40) 4-Methyl-2-pentanone      | 10.157 | 43   | 19299    | 5.119  | ug/L   | 96       |
| 42) Toluene                   | 10.334 | 91   | 55728    | 2.385  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 10.557 | 75   | 18671    | 2.377  | ug/L   | 97       |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTD2.5177

Quant Time: Nov 10 00:03:53 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM110923SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Nov 10 00:03:14 2023  
 Response via : Initial Calibration

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| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 45) 1,1,2-Trichloroethane     | 10.734 | 97   | 9210     | 2.435 | ug/L   | 95       |
| 46) Tetrachloroethene         | 10.810 | 164  | 9567     | 2.358 | ug/L   | 94       |
| 48) 2-Hexanone                | 10.922 | 43   | 15041    | 5.033 | ug/L   | 94       |
| 49) Dibromochloromethane      | 11.075 | 129  | 10483    | 2.440 | ug/L   | 91       |
| 50) 1,2-Dibromoethane         | 11.181 | 107  | 8958     | 2.477 | ug/L   | 85       |
| 51) Chlorobenzene             | 11.610 | 112  | 32299    | 2.360 | ug/L   | 98       |
| 52) Ethylbenzene              | 11.687 | 91   | 60136    | 2.339 | ug/L   | 97       |
| 53) m,p-Xylene                | 11.798 | 106  | 21943    | 2.346 | ug/L   | 95       |
| 54) o-Xylene                  | 12.122 | 106  | 20791    | 2.320 | ug/L   | 95       |
| 55) Styrene                   | 12.139 | 104  | 35288    | 2.256 | ug/L   | 86       |
| 57) 1,1,2,2-Tetrachloroethane | 12.681 | 83   | 11093    | 2.490 | ug/L   | 91       |
| 59) Bromoform                 | 12.298 | 173  | 6582     | 2.609 | ug/L # | 86       |
| 60) Isopropylbenzene          | 12.422 | 105  | 56404    | 2.357 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 12.728 | 75   | 8167     | 2.592 | ug/L   | 93       |
| 62) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 42957    | 2.365 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 42881    | 2.331 | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 13.463 | 146  | 23588    | 2.403 | ug/L   | 95       |
| 65) 1,4-Dichlorobenzene       | 13.539 | 146  | 24630    | 2.486 | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 13.834 | 146  | 21260    | 2.449 | ug/L   | 93       |
| 68) 1,2-Dibromo-3-chloropr... | 14.451 | 75   | 1974     | 2.880 | ug/L   | 89       |
| 69) 1,3,5-Trichlorobenzene    | 14.598 | 180  | 16115    | 2.411 | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.104 | 180  | 13612    | 2.416 | ug/L   | 96       |
| 71) Naphthalene               | 15.339 | 128  | 25198    | 2.373 | ug/L # | 92       |
| 72) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 11383    | 2.370 | ug/L   | 98       |

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

## Manual Integrations

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