

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW092624\  
 Data File : VW030258.D  
 Acq On : 26 Sep 2024 14:18  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025493

Quant Time: Sep 27 04:34:56 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092624SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Sep 27 04:25:21 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/27/2024  
 Supervised By :Semsettin Yesilyurt 09/27/2024

| Compound                      | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|-------|----------|
| -----                         |                |      |            |          |       |          |
| Internal Standards            |                |      |            |          |       |          |
| 1) 1,4-Difluorobenzene        | 8.843          | 114  | 189744     | 25.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 11.629         | 117  | 172959     | 25.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.555         | 152  | 86023      | 25.000   | ug/L  | 0.00     |
|                               |                |      |            |          |       |          |
| System Monitoring Compounds   |                |      |            |          |       |          |
| 4) Vinyl Chloride-d3          | 2.368          | 65   | 57024      | 22.273   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 89.080%  |       |          |
| 7) Chloroethane-d5            | 2.899          | 69   | 42656      | 22.604   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 90.400%  |       |          |
| 11) 1,1-Dichloroethene-d2     | 4.027          | 65   | 29628      | 23.362   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 93.440%  |       |          |
| 21) 2-Butanone-d5             | 7.081          | 46   | 29582      | 48.254   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 96.500%  |       |          |
| 24) Chloroform-d              | 7.648          | 84   | 132618     | 23.605   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 94.400%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 8.306          | 65   | 70118      | 24.468   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 97.880%  |       |          |
| 32) Benzene-d6                | 8.276          | 84   | 264446     | 24.204   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 96.800%  |       |          |
| 36) 1,2-Dichloropropane-d6    | 9.276          | 67   | 79833      | 23.601   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 94.400%  |       |          |
| 41) Toluene-d8                | 10.318         | 98   | 237778     | 24.488   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 97.960%  |       |          |
| 43) trans-1,3-Dichloroprop... | 10.574         | 79   | 32408      | 25.277   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 101.120% |       |          |
| 47) 2-Hexanone-d5             | 10.922         | 63   | 24845      | 52.472   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 104.940% |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690         | 84   | 56519      | 24.462   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 97.840%  |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.848         | 152  | 74606      | 24.922   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 99.680%  |       |          |
|                               |                |      |            |          |       |          |
| Target Compounds              |                |      |            |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.015          | 85   | 44478      | 21.791   | ug/L  | 96       |
| 3) Chloromethane              | 2.228          | 50   | 67701      | 23.227   | ug/L  | 98       |
| 5) Vinyl chloride             | 2.375          | 62   | 65595      | 22.337   | ug/L  | 96       |
| 6) Bromomethane               | 2.789          | 94   | 39535      | 22.192   | ug/L  | 98       |
| 8) Chloroethane               | 2.942          | 64   | 35994      | 20.943   | ug/L  | 93       |
| 9) Trichlorofluoromethane     | 3.265          | 101  | 60463      | 23.301   | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.075          | 101  | 58580m     | 22.846   | ug/L  |          |
| 12) 1,1-Dichloroethene        | 4.045          | 96   | 54729      | 22.640   | ug/L  | 97       |
| 13) Acetone                   | 4.124          | 43   | 43190      | 49.421   | ug/L  | 99       |
| 14) Carbon disulfide          | 4.392          | 76   | 197884     | 22.801   | ug/L  | 99       |
| 15) Methyl Acetate            | 4.679          | 43   | 26694      | 22.177   | ug/L  | 100      |
| 16) Methylene chloride        | 4.917          | 84   | 61544      | 21.175   | ug/L  | 91       |
| 17) trans-1,2-Dichloroethene  | 5.429          | 96   | 63883      | 23.304   | ug/L  | 97       |
| 18) Methyl tert-butyl Ether   | 5.429          | 73   | 94763      | 25.230   | ug/L  | 97       |
| 19) 1,1-Dichloroethane        | 6.215          | 63   | 128421     | 23.235   | ug/L  | 98       |
| 20) cis-1,2-Dichloroethene    | 7.166          | 96   | 68999      | 23.505   | ug/L  | 98       |
| 22) 2-Butanone                | 7.172          | 43   | 51196      | 51.501   | ug/L  | 100      |
| 23) Bromochloromethane        | 7.514          | 128  | 28022      | 23.398   | ug/L  | 95       |
| 25) Chloroform                | 7.678          | 83   | 127176     | 23.648   | ug/L  | 99       |

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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM092624SMA.M  
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| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 82394    | 23.660 | ug/L   | 98       |
| 29) Cyclohexane               | 7.959  | 56   | 106846   | 24.278 | ug/L   | 99       |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 103120   | 24.085 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 8.075  | 117  | 94203    | 24.286 | ug/L   | 99       |
| 33) Benzene                   | 8.325  | 78   | 278361   | 23.486 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 72841    | 23.692 | ug/L   | 94       |
| 35) Methylcyclohexane         | 9.337  | 83   | 118957   | 24.605 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 73108    | 23.272 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.648  | 83   | 87953    | 24.039 | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 10.068 | 75   | 108295   | 24.277 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.208 | 43   | 73196    | 47.233 | ug/L   | 98       |
| 42) Toluene                   | 10.385 | 91   | 300255   | 24.547 | ug/L   | 96       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 91213    | 25.165 | ug/L   | 94       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 47196    | 23.582 | ug/L   | 90       |
| 46) Tetrachloroethene         | 10.861 | 164  | 51049    | 23.743 | ug/L   | 92       |
| 48) 2-Hexanone                | 10.964 | 43   | 70062    | 53.761 | ug/L   | 99       |
| 49) Dibromochloromethane      | 11.123 | 129  | 53825    | 25.059 | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 44965    | 23.911 | ug/L # | 96       |
| 51) Chlorobenzene             | 11.653 | 112  | 181369   | 24.116 | ug/L   | 96       |
| 52) Ethylbenzene              | 11.727 | 91   | 338238   | 24.467 | ug/L   | 97       |
| 53) m,p-Xylene                | 11.836 | 106  | 126283   | 25.209 | ug/L   | 99       |
| 54) o-Xylene                  | 12.165 | 106  | 120061   | 25.516 | ug/L   | 93       |
| 55) Styrene                   | 12.178 | 104  | 200931   | 25.366 | ug/L   | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 56771    | 23.968 | ug/L   | 98       |
| 59) Bromoform                 | 12.348 | 173  | 29527    | 24.653 | ug/L   | 97       |
| 60) Isopropylbenzene          | 12.458 | 105  | 331669   | 25.239 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.769 | 75   | 40244    | 23.801 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 266886   | 26.094 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 265038   | 26.425 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.494 | 146  | 138983   | 24.864 | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 139521   | 24.394 | ug/L   | 94       |
| 67) 1,2-Dichlorobenzene       | 13.866 | 146  | 118588   | 24.353 | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 14.482 | 75   | 8600     | 23.100 | ug/L # | 80       |
| 69) 1,3,5-Trichlorobenzene    | 14.622 | 180  | 84352    | 23.106 | ug/L   | 91       |
| 70) 1,2,4-trichlorobenzene    | 15.128 | 180  | 71578    | 24.212 | ug/L   | 99       |
| 71) Naphthalene               | 15.360 | 128  | 135488   | 26.405 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 64349    | 24.960 | ug/L   | 97       |

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

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