

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW092524\  
 Data File : VW030237.D  
 Acq On : 25 Sep 2024 10:21  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025491

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 09/26/2024  
 Supervised By :Semsettin Yesilyurt 09/26/2024

Quant Time: Sep 26 01:12:08 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM091624SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Sep 25 01:17:29 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 178254   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 164732   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 80555    | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 47686    | 20.715   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 82.880%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 36465    | 22.438   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 89.760%  |
| 11) 1,1-Dichloroethene-d2     | 4.027  | 65    | 22764    | 19.791   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 79.160%  |
| 21) 2-Butanone-d5             | 7.075  | 46    | 28632    | 51.367   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 102.740% |
| 24) Chloroform-d              | 7.648  | 84    | 114084   | 23.277   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 93.120%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 59248    | 24.073   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 96.280%  |
| 32) Benzene-d6                | 8.270  | 84    | 214038   | 22.554   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 90.200%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 67691    | 23.102   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 92.400%  |
| 41) Toluene-d8                | 10.319 | 98    | 187421   | 22.038   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 88.160%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 26193    | 22.313   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 89.240%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 23390    | 52.168   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 104.340% |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 54767    | 25.106   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 100.440% |
| 66) 1,2-Dichlorobenzene-d4    | 13.849 | 152   | 61156    | 22.364   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 89.440%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015  | 85    | 41689m   | 21.210   | ug/L   |          |
| 3) Chloromethane              | 2.223  | 50    | 49013    | 26.708   | ug/L   | 100      |
| 5) Vinyl chloride             | 2.375  | 62    | 63831    | 28.224   | ug/L   | 97       |
| 6) Bromomethane               | 2.790  | 94    | 36724    | 27.105   | ug/L   | 91       |
| 8) Chloroethane               | 2.936  | 64    | 37126    | 27.505   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.271  | 101   | 54633    | 20.482   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.082  | 101   | 61622    | 25.485   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 55796    | 26.222   | ug/L   | 91       |
| 13) Acetone                   | 4.119  | 43    | 41820    | 65.395   | ug/L   | 95       |
| 14) Carbon disulfide          | 4.387  | 76    | 139376   | 23.058   | ug/L   | 97       |
| 15) Methyl Acetate            | 4.673  | 43    | 28246    | 27.312   | ug/L   | 98       |
| 16) Methylene chloride        | 4.923  | 84    | 65151    | 24.787   | ug/L   | 95       |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 60804    | 25.922   | ug/L   | 96       |
| 18) Methyl tert-butyl Ether   | 5.429  | 73    | 103163   | 27.906   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 129176   | 27.120   | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.167  | 96    | 70475    | 27.377   | ug/L   | 97       |
| 22) 2-Butanone                | 7.167  | 43    | 43404    | 57.337   | ug/L   | 99       |
| 23) Bromochloromethane        | 7.514  | 128   | 30547    | 26.553   | ug/L   | 97       |
| 25) Chloroform                | 7.673  | 83    | 131628   | 27.209   | ug/L   | 96       |

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 ALS Vial : 2 Sample Multiplier: 1

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Quant Time: Sep 26 01:12:08 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM091624SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Sep 25 01:17:29 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 83821    | 27.631 | ug/L   | 99       |
| 29) Cyclohexane               | 7.959  | 56   | 91951    | 26.199 | ug/L   | 100      |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 105452   | 26.465 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 92762    | 25.620 | ug/L   | 98       |
| 33) Benzene                   | 8.325  | 78   | 275619   | 27.366 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 70732    | 26.016 | ug/L   | 98       |
| 35) Methylcyclohexane         | 9.337  | 83   | 109876   | 26.214 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 75288    | 27.580 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 95612    | 27.815 | ug/L   | 100      |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 112060   | 28.060 | ug/L   | 94       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 84405    | 60.512 | ug/L   | 97       |
| 42) Toluene                   | 10.386 | 91   | 299163   | 27.993 | ug/L   | 94       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 94445    | 28.113 | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 53997    | 27.184 | ug/L   | 97       |
| 46) Tetrachloroethene         | 10.861 | 164  | 50910    | 25.377 | ug/L   | 96       |
| 48) 2-Hexanone                | 10.965 | 43   | 66890    | 62.360 | ug/L   | 97       |
| 49) Dibromochloromethane      | 11.130 | 129  | 58258    | 26.948 | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 47792    | 26.093 | ug/L # | 100      |
| 51) Chlorobenzene             | 11.654 | 112  | 184061   | 26.665 | ug/L   | 93       |
| 52) Ethylbenzene              | 11.727 | 91   | 337786   | 27.612 | ug/L   | 96       |
| 53) m,p-Xylene                | 11.837 | 106  | 125519   | 27.809 | ug/L   | 97       |
| 54) o-Xylene                  | 12.166 | 106  | 120508   | 28.372 | ug/L   | 91       |
| 55) Styrene                   | 12.178 | 104  | 212043   | 28.782 | ug/L   | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 12.709 | 83   | 65973    | 27.826 | ug/L   | 100      |
| 59) Bromoform                 | 12.349 | 173  | 33701    | 26.434 | ug/L   | 100      |
| 60) Isopropylbenzene          | 12.459 | 105  | 332046   | 27.996 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 47070    | 28.087 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 272541   | 31.352 | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 267358   | 29.584 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 149815   | 28.501 | ug/L   | 90       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 147527   | 27.166 | ug/L   | 94       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 135081   | 28.515 | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.483 | 75   | 9853     | 26.959 | ug/L   | 94       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 104467   | 28.473 | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 85451    | 28.751 | ug/L   | 97       |
| 71) Naphthalene               | 15.360 | 128  | 162444   | 30.099 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 72766    | 27.920 | ug/L   | 96       |

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

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