

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW032524\  
 Data File : VW028238.D  
 Acq On : 25 Mar 2024 09:22  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VSTD025525

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2024  
 Supervised By :Mahesh Dadoda 03/26/2024

Quant Time: Mar 26 01:12:45 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM031424SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Mar 23 01:00:21 2024  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843          | 114  | 214835     | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629         | 117  | 190081     | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556         | 152  | 99468      | 25.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369          | 65   | 55145      | 21.938   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 87.760%  |        |          |
| 7) Chloroethane-d5            | 2.905          | 69   | 43762      | 24.919   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 99.680%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 4.027          | 65   | 37487      | 23.517   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 94.080%  |        |          |
| 21) 2-Butanone-d5             | 7.087          | 46   | 31780      | 42.866   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 85.740%  |        |          |
| 24) Chloroform-d              | 7.648          | 84   | 169758     | 26.797   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 107.200% |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.307          | 65   | 86895      | 24.891   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 99.560%  |        |          |
| 32) Benzene-d6                | 8.276          | 84   | 324480     | 27.960   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 111.840% |        |          |
| 36) 1,2-Dichloropropane-d6    | 9.276          | 67   | 93290      | 27.934   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 111.720% |        |          |
| 41) Toluene-d8                | 10.325         | 98   | 297036     | 27.749   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 111.000% |        |          |
| 43) trans-1,3-Dichloroprop... | 10.575         | 79   | 38649      | 25.480   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 101.920% |        |          |
| 47) 2-Hexanone-d5             | 10.922         | 63   | 25877      | 46.875   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 93.760%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690         | 84   | 61350      | 24.868   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 99.480%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.848         | 152  | 98694      | 27.237   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 108.960% |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.015          | 85   | 60571      | 19.436   | ug/L # | 86       |
| 3) Chloromethane              | 2.222          | 50   | 46216      | 20.909   | ug/L   | 96       |
| 5) Vinyl chloride             | 2.375          | 62   | 59216      | 23.700   | ug/L   | 97       |
| 6) Bromomethane               | 2.795          | 94   | 35765      | 24.035   | ug/L   | 94       |
| 8) Chloroethane               | 2.936          | 64   | 32539      | 24.229   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 3.277          | 101  | 79695      | 26.381   | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076          | 101  | 73130      | 24.369   | ug/L # | 73       |
| 12) 1,1-Dichloroethene        | 4.045          | 96   | 69629      | 25.099   | ug/L   | 94       |
| 13) Acetone                   | 4.143          | 43   | 30433m     | 36.970   | ug/L   |          |
| 14) Carbon disulfide          | 4.393          | 76   | 202543     | 23.408   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.679          | 43   | 23960m     | 18.896   | ug/L   |          |
| 16) Methylene chloride        | 4.917          | 84   | 69638      | 21.297   | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 5.435          | 96   | 71635      | 24.298   | ug/L   | 94       |
| 18) Methyl tert-butyl Ether   | 5.429          | 73   | 100916     | 22.687   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 6.222          | 63   | 138794     | 24.317   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.173          | 96   | 77613      | 24.375   | ug/L   | 98       |
| 22) 2-Butanone                | 7.179          | 43   | 32865      | 35.164   | ug/L   | 95       |
| 23) Bromochloromethane        | 7.514          | 128  | 32199      | 22.874   | ug/L   | 94       |
| 25) Chloroform                | 7.679          | 83   | 143685     | 24.453   | ug/L   | 100      |

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 ALS Vial : 1 Sample Multiplier: 1

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 MSVOA\_W  
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Quant Time: Mar 26 01:12:45 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM031424SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Mar 23 01:00:21 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 90818    | 21.886 | ug/L  | 98       |
| 29) Cyclohexane               | 7.959  | 56   | 125066   | 25.226 | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 7.868  | 97   | 129113   | 25.913 | ug/L  | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 119253   | 25.516 | ug/L  | 98       |
| 33) Benzene                   | 8.325  | 78   | 299619   | 25.616 | ug/L  | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 84461    | 25.882 | ug/L  | 95       |
| 35) Methylcyclohexane         | 9.337  | 83   | 138933   | 25.187 | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 75936    | 25.382 | ug/L  | 99       |
| 38) Bromodichloromethane      | 9.642  | 83   | 100630   | 24.948 | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 10.075 | 75   | 117951   | 24.618 | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 64282    | 38.925 | ug/L  | 98       |
| 42) Toluene                   | 10.386 | 91   | 321263   | 25.166 | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 97542    | 24.113 | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 50272    | 23.257 | ug/L  | 98       |
| 46) Tetrachloroethene         | 10.861 | 164  | 65826    | 25.024 | ug/L  | 95       |
| 48) 2-Hexanone                | 10.965 | 43   | 51298    | 39.655 | ug/L  | 99       |
| 49) Dibromochloromethane      | 11.129 | 129  | 59338    | 23.179 | ug/L  | 95       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 46791    | 22.638 | ug/L  | 97       |
| 51) Chlorobenzene             | 11.654 | 112  | 203074   | 25.063 | ug/L  | 98       |
| 52) Ethylbenzene              | 11.727 | 91   | 383405   | 25.728 | ug/L  | 99       |
| 53) m,p-Xylene                | 11.836 | 106  | 145432   | 25.934 | ug/L  | 98       |
| 54) o-Xylene                  | 12.166 | 106  | 134716   | 25.905 | ug/L  | 93       |
| 55) Styrene                   | 12.178 | 104  | 230384   | 25.791 | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83   | 53316    | 21.564 | ug/L  | 93       |
| 59) Bromoform                 | 12.349 | 173  | 34235    | 22.969 | ug/L  | 97       |
| 60) Isopropylbenzene          | 12.458 | 105  | 389463   | 26.353 | ug/L  | 98       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 39182    | 20.640 | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 258052   | 26.024 | ug/L  | 97       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 315529   | 26.352 | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 169033   | 25.638 | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 163191   | 24.753 | ug/L  | 95       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 144652   | 25.477 | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 8978     | 20.133 | ug/L  | 90       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 122441   | 26.661 | ug/L  | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 96915    | 24.840 | ug/L  | 98       |
| 71) Naphthalene               | 15.360 | 128  | 146560   | 21.886 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.543 | 180  | 80242    | 24.948 | ug/L  | 99       |

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

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ClientSampleId :  
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