

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW122024\  
 Data File : VW031420.D  
 Acq On : 20 Dec 2024 12:12  
 Operator : SY/MD  
 Sample : MDL04  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 MDL04

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/23/2024  
 Supervised By :Mahesh Dadoda 12/23/2024

Quant Time: Dec 20 22:37:51 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM121324SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 20 21:58:26 2024  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 8.837          | 114  | 565788     | 25.000  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629         | 117  | 512362     | 25.000  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.555         | 152  | 244177     | 25.000  | ug/L   | 0.00     |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 2.356          | 65   | 154286     | 18.124  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 72.480% |        |          |
| 7) Chloroethane-d5            | 2.893          | 69   | 129545     | 20.572  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 82.280% |        |          |
| 11) 1,1-Dichloroethene-d2     | 4.014          | 65   | 69983      | 17.331  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 69.320% |        |          |
| 21) 2-Butanone-d5             | 7.093          | 46   | 72178      | 45.021  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 90.040% |        |          |
| 24) Chloroform-d              | 7.648          | 84   | 308257     | 19.885  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 79.520% |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.300          | 65   | 174533     | 22.418  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 89.680% |        |          |
| 32) Benzene-d6                | 8.270          | 84   | 626371     | 19.074  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 76.280% |        |          |
| 36) 1,2-Dichloropropane-d6    | 9.270          | 67   | 186161     | 19.451  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 77.800% |        |          |
| 41) Toluene-d8                | 10.318         | 98   | 566168     | 18.532  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 74.120% |        |          |
| 43) trans-1,3-Dichloroprop... | 10.574         | 79   | 73553      | 16.667  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 66.680% |        |          |
| 47) 2-Hexanone-d5             | 10.922         | 63   | 56165      | 43.636  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 87.280% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690         | 84   | 138314     | 23.017  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 92.080% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.848         | 152  | 187171     | 20.648  | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 82.600% |        |          |
| Target Compounds              |                |      |            |         |        |          |
|                               |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.015          | 85   | 4159       | 0.813   | ug/L   | 94       |
| 3) Chloromethane              | 2.216          | 50   | 8041       | 1.400   | ug/L   | 99       |
| 5) Vinyl chloride             | 2.368          | 62   | 10608m     | 1.333   | ug/L   |          |
| 6) Bromomethane               | 2.789          | 94   | 6680       | 1.365   | ug/L   | 96       |
| 8) Chloroethane               | 2.929          | 64   | 6900       | 1.457   | ug/L   | 95       |
| 9) Trichlorofluoromethane     | 3.259          | 101  | 9921       | 1.170   | ug/L   | 96       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.069          | 101  | 10800m     | 1.577   | ug/L   |          |
| 12) 1,1-Dichloroethene        | 4.039          | 96   | 9470       | 1.365   | ug/L # | 1        |
| 14) Carbon disulfide          | 4.380          | 76   | 21323      | 0.943   | ug/L   | 100      |
| 15) Methyl Acetate            | 4.691          | 43   | 6108m      | 2.409   | ug/L   |          |
| 17) trans-1,2-Dichloroethene  | 5.435          | 96   | 9142       | 1.223   | ug/L   | 87       |
| 18) Methyl tert-butyl Ether   | 5.429          | 73   | 16489      | 1.319   | ug/L # | 67       |
| 19) 1,1-Dichloroethane        | 6.215          | 63   | 17727      | 1.269   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 7.166          | 96   | 10367      | 1.282   | ug/L   | 90       |
| 22) 2-Butanone                | 7.197          | 43   | 9163m      | 3.387   | ug/L   |          |
| 23) Bromochloromethane        | 7.520          | 128  | 4589       | 1.422   | ug/L   | 85       |
| 25) Chloroform                | 7.672          | 83   | 28326      | 2.054   | ug/L   | 98       |
| 27) 1,2-Dichloroethane        | 8.398          | 62   | 12338      | 1.423   | ug/L   | 96       |
| 29) Cyclohexane               | 7.953          | 56   | 14387      | 1.035   | ug/L   | 96       |

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 MSVOA\_W  
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Quant Time: Dec 20 22:37:51 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM121324SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 20 21:58:26 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

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| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 30) 1,1,1-Trichloroethane     | 7.867  | 97   | 13693m   | 1.034 | ug/L   |          |
| 31) Carbon tetrachloride      | 8.063  | 117  | 11635    | 0.986 | ug/L   | 99       |
| 33) Benzene                   | 8.325  | 78   | 39787    | 1.257 | ug/L   | 100      |
| 34) Trichloroethene           | 9.087  | 95   | 10829    | 1.211 | ug/L   | 84       |
| 35) Methylcyclohexane         | 9.331  | 83   | 17633    | 1.133 | ug/L   | 95       |
| 37) 1,2-Dichloropropane       | 9.367  | 63   | 10422    | 1.319 | ug/L   | 98       |
| 38) Bromodichloromethane      | 9.642  | 83   | 11866    | 1.156 | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 10.074 | 75   | 13502    | 1.012 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 10.215 | 43   | 12786    | 3.051 | ug/L   | 96       |
| 42) Toluene                   | 10.385 | 91   | 42753    | 1.240 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 15534    | 1.425 | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 7303     | 1.390 | ug/L   | 90       |
| 46) Tetrachloroethene         | 10.861 | 164  | 7759     | 1.185 | ug/L   | 86       |
| 48) 2-Hexanone                | 10.971 | 43   | 6523     | 1.830 | ug/L   | 92       |
| 49) Dibromochloromethane      | 11.129 | 129  | 6798     | 1.092 | ug/L   | 93       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 6816     | 1.369 | ug/L   | 75       |
| 51) Chlorobenzene             | 11.653 | 112  | 27220    | 1.259 | ug/L   | 98       |
| 52) Ethylbenzene              | 11.727 | 91   | 47838    | 1.197 | ug/L   | 97       |
| 53) m,p-Xylene                | 11.836 | 106  | 18085    | 1.189 | ug/L   | 92       |
| 54) o-Xylene                  | 12.159 | 106  | 17143    | 1.196 | ug/L   | 97       |
| 55) Styrene                   | 12.178 | 104  | 27859    | 1.168 | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 8636     | 1.525 | ug/L # | 97       |
| 59) Bromoform                 | 12.348 | 173  | 3133     | 0.913 | ug/L   | 95       |
| 60) Isopropylbenzene          | 12.458 | 105  | 47565    | 1.190 | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 12.769 | 75   | 6380     | 1.527 | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 35418    | 1.045 | ug/L   | 91       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 35623    | 1.088 | ug/L   | 95       |
| 64) 1,3-Dichlorobenzene       | 13.494 | 146  | 20554    | 1.270 | ug/L   | 93       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 20141    | 1.256 | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 13.860 | 146  | 18962    | 1.359 | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 1541     | 1.453 | ug/L # | 84       |
| 69) 1,3,5-Trichlorobenzene    | 14.622 | 180  | 13561    | 1.196 | ug/L   | 95       |
| 70) 1,2,4-trichlorobenzene    | 15.122 | 180  | 11846    | 1.256 | ug/L   | 93       |
| 71) Naphthalene               | 15.360 | 128  | 21641    | 1.309 | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 10790    | 1.420 | ug/L   | 98       |

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

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