

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW091624\  
 Data File : VW030137.D  
 Acq On : 16 Sep 2024 17:00  
 Operator : SY/MD  
 Sample : VSTDICV025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 VICV475

Quant Time: Sep 17 04:50:40 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM091624SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Sep 17 04:41:19 2024  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.843          | 114  | 260895     | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629         | 117  | 237002     | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556         | 152  | 116794     | 25.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 2.369          | 65   | 69820      | 20.723   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 82.880%  |        |          |
| 7) Chloroethane-d5            | 2.899          | 69   | 52986      | 22.276   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 89.120%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 4.021          | 65   | 36377      | 21.609   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 86.440%  |        |          |
| 21) 2-Butanone-d5             | 7.081          | 46   | 39988      | 49.016   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 98.040%  |        |          |
| 24) Chloroform-d              | 7.648          | 84   | 165773     | 23.109   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 92.440%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.307          | 65   | 83103      | 23.070   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 92.280%  |        |          |
| 32) Benzene-d6                | 8.276          | 84   | 323215     | 23.673   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 94.680%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 9.276          | 67   | 99339      | 23.565   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 94.280%  |        |          |
| 41) Toluene-d8                | 10.325         | 98   | 298707     | 24.413   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 97.640%  |        |          |
| 43) trans-1,3-Dichloroprop... | 10.575         | 79   | 40918      | 24.228   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 96.920%  |        |          |
| 47) 2-Hexanone-d5             | 10.922         | 63   | 34479      | 53.451   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 106.900% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690         | 84   | 74768      | 23.823   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 95.280%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.848         | 152  | 95197      | 24.011   | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 96.040%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 2.015          | 85   | 58384      | 20.295   | ug/L   | 90       |
| 3) Chloromethane              | 2.229          | 50   | 67061      | 24.967   | ug/L   | 96       |
| 5) Vinyl chloride             | 2.375          | 62   | 75864      | 22.919   | ug/L   | 100      |
| 6) Bromomethane               | 2.796          | 94   | 48034      | 24.223   | ug/L   | 92       |
| 8) Chloroethane               | 2.942          | 64   | 46367      | 23.470   | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 3.271          | 101  | 85013      | 21.776   | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076          | 101  | 77744      | 21.968   | ug/L # | 81       |
| 12) 1,1-Dichloroethene        | 4.051          | 96   | 75999      | 24.403   | ug/L   | 79       |
| 13) Acetone                   | 4.118          | 43   | 50413      | 53.861   | ug/L   | 97       |
| 14) Carbon disulfide          | 4.387          | 76   | 204428     | 23.108   | ug/L   | 99       |
| 15) Methyl Acetate            | 4.667          | 43   | 36757      | 24.284   | ug/L   | 99       |
| 16) Methylene chloride        | 4.917          | 84   | 89987      | 23.391   | ug/L   | 95       |
| 17) trans-1,2-Dichloroethene  | 5.429          | 96   | 83759      | 24.397   | ug/L   | 98       |
| 18) Methyl tert-butyl Ether   | 5.429          | 73   | 142294     | 26.299   | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 6.216          | 63   | 173234     | 24.850   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 7.173          | 96   | 98658      | 26.185   | ug/L   | 99       |
| 22) 2-Butanone                | 7.167          | 43   | 58885      | 53.147   | ug/L   | 99       |
| 23) Bromochloromethane        | 7.520          | 128  | 42094      | 25.000   | ug/L   | 89       |
| 25) Chloroform                | 7.679          | 83   | 174260     | 24.611   | ug/L   | 97       |

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Quant Time: Sep 17 04:50:40 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM091624SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Sep 17 04:41:19 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.398  | 62   | 109614   | 24.688 | ug/L   | 100      |
| 29) Cyclohexane               | 7.959  | 56   | 122236   | 24.208 | ug/L   | 100      |
| 30) 1,1,1-Trichloroethane     | 7.874  | 97   | 144594   | 25.223 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 125540   | 24.100 | ug/L   | 98       |
| 33) Benzene                   | 8.325  | 78   | 369571   | 25.505 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 97469    | 24.918 | ug/L   | 95       |
| 35) Methylcyclohexane         | 9.337  | 83   | 144512   | 23.964 | ug/L   | 100      |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 99743    | 25.396 | ug/L   | 100      |
| 38) Bromodichloromethane      | 9.642  | 83   | 124279   | 25.130 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 154686   | 26.923 | ug/L   | 97       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 107642   | 53.639 | ug/L   | 99       |
| 42) Toluene                   | 10.386 | 91   | 408098   | 26.542 | ug/L   | 96       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 128305   | 26.546 | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 10.782 | 97   | 71643    | 25.069 | ug/L   | 97       |
| 46) Tetrachloroethene         | 10.861 | 164  | 71733    | 24.853 | ug/L   | 92       |
| 48) 2-Hexanone                | 10.965 | 43   | 84938    | 55.040 | ug/L   | 98       |
| 49) Dibromochloromethane      | 11.123 | 129  | 78661    | 25.290 | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 65027    | 24.677 | ug/L # | 95       |
| 51) Chlorobenzene             | 11.654 | 112  | 251723   | 25.347 | ug/L   | 95       |
| 52) Ethylbenzene              | 11.727 | 91   | 459792   | 26.124 | ug/L   | 100      |
| 53) m,p-Xylene                | 11.837 | 106  | 172792   | 26.609 | ug/L   | 94       |
| 54) o-Xylene                  | 12.166 | 106  | 164813   | 26.971 | ug/L   | 94       |
| 55) Styrene                   | 12.178 | 104  | 284616   | 26.852 | ug/L   | 94       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 83579    | 24.502 | ug/L   | 94       |
| 59) Bromoform                 | 12.349 | 173  | 47003    | 25.428 | ug/L   | 98       |
| 60) Isopropylbenzene          | 12.458 | 105  | 453668   | 26.382 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.763 | 75   | 60819    | 25.031 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 375711   | 29.810 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 374954   | 28.617 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 203186   | 26.661 | ug/L   | 94       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 200159   | 25.421 | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 13.867 | 146  | 183457   | 26.710 | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75   | 13333    | 25.161 | ug/L   | 91       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 135772   | 25.523 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 115751   | 26.862 | ug/L   | 99       |
| 71) Naphthalene               | 15.360 | 128  | 221626   | 28.323 | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 105974   | 28.045 | ug/L   | 95       |

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

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