

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU040323\  
 Data File : VU053542.D  
 Acq On : 04 Apr 2023 00:44  
 Operator : JC/MD  
 Sample : 02158-14  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 PMW-8S(20230330)

Quant Time: Apr 04 06:58:14 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM033123WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Apr 01 04:51:17 2023  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.243          | 114  | 268144     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.414          | 117  | 247124     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.809         | 152  | 134251     | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597          | 65   | 91499      | 43.823   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 87.640%  |        |          |
| 7) Chloroethane-d5            | 1.909          | 69   | 77199      | 47.954   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 95.900%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.565          | 63   | 111734     | 34.571   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 69.140%  |        |          |
| 21) 2-Butanone-d5             | 4.613          | 46   | 105028     | 111.102  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 111.100% |        |          |
| 24) Chloroform-d              | 5.057          | 84   | 157128     | 45.504   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 91.000%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.697          | 65   | 103254     | 50.604   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 101.200% |        |          |
| 32) Benzene-d6                | 5.723          | 84   | 325663     | 48.821   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 97.640%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.684          | 67   | 102064     | 50.059   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 100.120% |        |          |
| 41) Toluene-d8                | 7.893          | 98   | 307708     | 46.412   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 92.820%  |        |          |
| 43) trans-1,3-Dichloroprop... | 8.176          | 79   | 47975      | 45.584   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 91.160%  |        |          |
| 47) 2-Hexanone-d5             | 8.626          | 63   | 81808      | 117.566  | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 117.570% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.751         | 84   | 145488     | 50.627   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 101.260% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.189         | 152  | 126426     | 45.115   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 90.240%  |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 5) Vinyl chloride             | 1.604          | 62   | 20747      | 10.010   | ug/L   | 94       |
| 12) 1,1-Dichloroethene        | 2.578          | 96   | 4305       | 2.616    | ug/L # | 1        |
| 17) trans-1,2-Dichloroethene  | 3.346          | 96   | 16300      | 9.857    | ug/L   | 94       |
| 19) 1,1-Dichloroethane        | 3.861          | 63   | 78144      | 28.529   | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 4.662          | 96   | 380617     | 199.280  | ug/L   | 90       |
| 27) 1,2-Dichloroethane        | 5.790          | 62   | 9442       | 4.104    | ug/L # | 94       |
| 33) Benzene                   | 5.771          | 78   | 29824      | 4.632    | ug/L   | 100      |
| 46) Tetrachloroethene         | 8.552          | 164  | 1944       | 1.203    | ug/L   | 97       |
| 51) Chlorobenzene             | 9.443          | 112  | 185755     | 36.949   | ug/L   | 95       |
| 64) 1,3-Dichlorobenzene       | 11.742         | 146  | 243891     | 58.805   | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.832         | 146  | 1394782    | 329.967  | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 12.208         | 146  | 24048      | 5.818    | ug/L   | 93       |
| 70) 1,2,4-trichlorobenzene    | 13.835         | 180  | 153537     | 53.920   | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 14.327         | 180  | 12455      | 4.379    | ug/L   | 98       |
| -----                         |                |      |            |          |        |          |

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

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