

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW102323\  
 Data File : VW032581.D  
 Acq On : 23 Oct 2023 19:31  
 Operator : SY/MD  
 Sample : 04950-26DL 4X  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A4AA1DL

Manual Integrations  
 APPROVED

Reviewed By :John  
 Carlone

10/24/2023  
 Supervised By :Mahesh  
 Dadoda

Quant Time: Oct 24 06:58:02 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Oct 21 02:44:24 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene     | 5.538  | 114  | 87716    | 5.000 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.789  | 117  | 102781   | 5.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.188 | 152  | 45217    | 5.000 | ug/L  | 0.00     |

## System Monitoring Compounds

|                               |        |       |          |          |      |          |
|-------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3          | 1.278  | 65    | 25495    | 3.574    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =    | 71.400%  |
| 7) Chloroethane-d5            | 1.532  | 69    | 26554    | 4.586    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =    | 91.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.059  | 65    | 10648    | 3.539    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =    | 70.800%  |
| 20) 2-Butanone-d5             | 3.802  | 46    | 67583    | 37.450   | ug/L | -0.01    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =    | 74.900%  |
| 24) Chloroform-d              | 4.252  | 84    | 55618    | 4.419    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =    | 88.400%  |
| 26) 1,2-Dichloroethane-d4     | 4.947  | 65    | 30031    | 5.038    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =    | 100.800% |
| 32) Benzene-d6                | 4.963  | 84    | 99600    | 3.293    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =    | 65.800%# |
| 36) 1,2-Dichloropropane-d6    | 5.992  | 67    | 39340m   | 3.926    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =    | 78.600%  |
| 41) Toluene-d8                | 7.246  | 98    | 91240    | 3.299    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =    | 66.000%# |
| 43) trans-1,3-Dichloroprop... | 7.558  | 79    | 13250    | 3.732    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =    | 74.600%  |
| 46) 2-Hexanone-d5             | 8.030  | 63    | 79731    | 47.725   | ug/L | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =    | 95.460%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.156 | 84    | 34021    | 4.854    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =    | 97.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.564 | 152   | 34768    | 4.144    | ug/L | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =    | 82.800%  |

## Target Compounds

|                               |       |     |       |        |        | Qvalue |
|-------------------------------|-------|-----|-------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.105 | 85  | 7674  | 0.785  | ug/L   | 97     |
| 5) Vinyl chloride             | 1.281 | 62  | 9204  | 0.979  | ug/L   | 93     |
| 8) Chloroethane               | 1.548 | 64  | 21797 | 3.852  | ug/L   | 98     |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069 | 101 | 17834 | 2.611  | ug/L   | 97     |
| 12) 1,1-Dichloroethene        | 2.069 | 96  | 3740  | 0.581  | ug/L # | 1      |
| 13) Acetone                   | 2.127 | 43  | 36621 | 26.329 | ug/L   | 95     |
| 15) Methyl Acetate            | 2.384 | 43  | 5555  | 1.774  | ug/L   | 93     |
| 16) Methylene chloride        | 2.449 | 84  | 4547  | 0.542  | ug/L   | 95     |
| 18) trans-1,2-Dichloroethene  | 2.699 | 96  | 5064  | 0.687  | ug/L   | 97     |
| 19) 1,1-Dichloroethane        | 3.117 | 63  | 6622  | 0.478  | ug/L   | 94     |
| 22) cis-1,2-Dichloroethene    | 3.815 | 96  | 7182  | 0.905  | ug/L   | 94     |
| 23) Bromochloromethane        | 4.159 | 128 | 4106  | 1.230  | ug/L   | 94     |
| 25) Chloroform                | 4.281 | 83  | 27858 | 2.048  | ug/L   | 95     |
| 27) 1,2-Dichloroethane        | 5.056 | 62  | 4542  | 0.565  | ug/L # | 93     |
| 29) 1,1,1-Trichloroethane     | 4.516 | 97  | 6236m | 0.446  | ug/L   |        |
| 31) Carbon tetrachloride      | 4.735 | 117 | 7865  | 0.665  | ug/L   | 93     |
| 34) Trichloroethene           | 5.844 | 95  | 4352  | 0.441  | ug/L   | 94     |
| 39) cis-1,3-Dichloropropene   | 6.963 | 75  | 13026 | 0.946  | ug/L   | 96     |
| 40) 4-Methyl-2-pentanone      | 7.165 | 43  | 62508 | 10.207 | ug/L   | 93     |

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 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Oct 21 02:44:24 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 44) trans-1,3-Dichloropropene | 7.593  | 75   | 5701     | 0.504 | ug/L   | 93       |
| 45) 1,1,2-Trichloroethane     | 7.776  | 97   | 3044     | 0.446 | ug/L   | 95       |
| 47) Tetrachloroethene         | 7.908  | 164  | 4982     | 0.665 | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 8.288  | 107  | 7091     | 1.098 | ug/L # | 89       |
| 51) Chlorobenzene             | 8.818  | 112  | 31761    | 1.279 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.181 | 83   | 3392     | 0.452 | ug/L # | 95       |
| 59) Bromoform                 | 9.670  | 173  | 2506     | 0.762 | ug/L # | 94       |
| 63) 1,2,4-Trimethylbenzene    | 10.857 | 105  | 24073    | 0.844 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 11.123 | 146  | 11216    | 0.668 | ug/L   | 100      |
| 65) 1,4-Dichlorobenzene       | 11.213 | 146  | 7509     | 0.446 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.204 | 180  | 10400    | 0.954 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.686 | 180  | 5651     | 0.601 | ug/L   | 96       |

10/26/2023

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

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