

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW101923\  
 Data File : VW032497.D  
 Acq On : 19 Oct 2023 15:17  
 Operator : SY/MD  
 Sample : 04944-16DL 4X  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 A4AA0DL

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 10/20/2023  
 Supervised By : Mahesh Dadoda 10/24/2023

Quant Time: Oct 20 08:08:34 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092923WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Oct 20 06:17:42 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.539  | 114   | 97897    | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.789  | 117   | 109592   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.188 | 152   | 51233    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65    | 34860    | 4.378    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 87.600%  |
| 7) Chloroethane-d5            | 1.532  | 69    | 31658    | 4.898    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 98.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.060  | 65    | 14398    | 4.288    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 85.800%  |
| 20) 2-Butanone-d5             | 3.812  | 46    | 86345    | 42.871   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 85.740%  |
| 24) Chloroform-d              | 4.256  | 84    | 62299    | 4.436    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 88.800%  |
| 26) 1,2-Dichloroethane-d4     | 4.947  | 65    | 31263    | 4.699    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 94.000%  |
| 32) Benzene-d6                | 4.963  | 84    | 118911   | 3.687    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 73.800%  |
| 36) 1,2-Dichloropropane-d6    | 5.992  | 67    | 39150    | 3.664    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 73.200%  |
| 41) Toluene-d8                | 7.246  | 98    | 112117   | 3.802    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 76.000%  |
| 43) trans-1,3-Dichloroprop... | 7.558  | 79    | 13332    | 3.521    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 70.400%  |
| 46) 2-Hexanone-d5             | 8.030  | 63    | 73197    | 41.091   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 82.180%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.156 | 84    | 32597    | 4.362    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 87.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.564 | 152   | 39509    | 4.156    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 83.200%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.108  | 85    | 9969     | 0.914    | ug/L   | 96       |
| 5) Vinyl chloride             | 1.282  | 62    | 12013    | 1.145    | ug/L   | 98       |
| 8) Chloroethane               | 1.552  | 64    | 26157    | 4.142    | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069  | 101   | 21988    | 2.885    | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.072  | 96    | 4848     | 0.675    | ug/L # | 1        |
| 13) Acetone                   | 2.137  | 43    | 78134m   | 50.333   | ug/L   |          |
| 15) Methyl Acetate            | 2.391  | 43    | 9022     | 2.582    | ug/L   | 97       |
| 16) Methylene chloride        | 2.452  | 84    | 5410     | 0.578    | ug/L   | 97       |
| 18) trans-1,2-Dichloroethene  | 2.699  | 96    | 6250     | 0.760    | ug/L   | 95       |
| 19) 1,1-Dichloroethane        | 3.117  | 63    | 9058     | 0.586    | ug/L   | 95       |
| 22) cis-1,2-Dichloroethene    | 3.822  | 96    | 9361     | 1.057    | ug/L   | 95       |
| 23) Bromochloromethane        | 4.159  | 128   | 4914     | 1.319    | ug/L   | 91       |
| 25) Chloroform                | 4.281  | 83    | 34636    | 2.282    | ug/L   | 100      |
| 27) 1,2-Dichloroethane        | 5.059  | 62    | 5813     | 0.648    | ug/L   | 100      |
| 29) 1,1,1-Trichloroethane     | 4.523  | 97    | 7725     | 0.518    | ug/L   | 91       |
| 31) Carbon tetrachloride      | 4.741  | 117   | 9550     | 0.757    | ug/L   | 96       |
| 34) Trichloroethene           | 5.841  | 95    | 5871     | 0.557    | ug/L   | 95       |
| 39) cis-1,3-Dichloropropene   | 6.963  | 75    | 13965    | 0.951    | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.166  | 43    | 87030    | 13.328   | ug/L   | 95       |

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 Quant Title : TRACE VOA SFAM1.0  
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 Response via : Initial Calibration

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| -----                         |        |      |          |       |        |          |
| 44) trans-1,3-Dichloropropene | 7.593  | 75   | 5948     | 0.493 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 7.776  | 97   | 3512     | 0.482 | ug/L   | 90       |
| 47) Tetrachloroethene         | 7.908  | 164  | 5989     | 0.750 | ug/L   | 93       |
| 50) 1,2-Dibromoethane         | 8.291  | 107  | 8389     | 1.218 | ug/L # | 89       |
| 51) Chlorobenzene             | 8.818  | 112  | 37993    | 1.435 | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.181 | 83   | 3308     | 0.413 | ug/L # | 95       |
| 59) Bromoform                 | 9.670  | 173  | 2925     | 0.785 | ug/L   | 92       |
| 63) 1,2,4-Trimethylbenzene    | 10.857 | 105  | 29977    | 0.928 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.124 | 146  | 13360    | 0.702 | ug/L   | 95       |
| 65) 1,4-Dichlorobenzene       | 11.210 | 146  | 10105    | 0.530 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.204 | 180  | 12959    | 1.049 | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.686 | 180  | 7227     | 0.679 | ug/L   | 94       |
| -----                         |        |      |          |       |        |          |

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

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