

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW111722\  
 Data File : VW029102.D  
 Acq On : 18 Nov 2022 07:05  
 Operator : SY/MD  
 Sample : N5648-08MS  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 H46E7MS

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 11/18/2022  
 Supervised By :Mahesh Dadoda 11/18/2022

Quant Time: Nov 18 08:33:51 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111122WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 18 04:35:43 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.612  | 114   | 259002   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.847  | 117   | 240745   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.242 | 152   | 129619   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65    | 62061    | 3.930    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 78.600%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 51831    | 3.734    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 74.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 120623   | 4.192    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 83.800%  |
| 20) 2-Butanone-d5             | 3.889  | 46    | 161237   | 61.001   | ug/L   | -0.01    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 122.000% |
| 24) Chloroform-d              | 4.342  | 84    | 153189   | 4.725    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.031  | 65    | 68627    | 4.705    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 94.200%  |
| 32) Benzene-d6                | 5.047  | 84    | 308520   | 4.293    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 85.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67    | 87819    | 4.377    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 87.600%  |
| 41) Toluene-d8                | 7.310  | 98    | 302003   | 4.669    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 93.400%  |
| 43) trans-1,3-Dichloroprop... | 7.619  | 79    | 29709    | 4.540    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 90.800%  |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 143388   | 51.330   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 102.660% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.207 | 84    | 73113    | 5.255    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 105.200% |
| 66) 1,2-Dichlorobenzene-d4    | 11.615 | 152   | 116846   | 5.039    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 100.800% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127  | 85    | 104420   | 4.836    | ug/L   | 98       |
| 3) Chloromethane              | 1.240  | 50    | 79880    | 4.458    | ug/L   | 100      |
| 5) Vinyl chloride             | 1.310  | 62    | 335045   | 16.392   | ug/L   | 97       |
| 6) Bromomethane               | 1.523  | 94    | 55667    | 4.557    | ug/L   | 99       |
| 8) Chloroethane               | 1.584  | 64    | 63047    | 5.249    | ug/L   | 87       |
| 9) Trichlorofluoromethane     | 1.751  | 101   | 144923   | 5.259    | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.117  | 101   | 81493    | 5.223    | ug/L   | 95       |
| 12) 1,1-Dichloroethene        | 2.117  | 96    | 82018    | 5.231    | ug/L   | 90       |
| 13) Acetone                   | 2.179  | 43    | 98349m   | 57.843   | ug/L   |          |
| 14) Carbon disulfide          | 2.291  | 76    | 255863   | 4.595    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.436  | 43    | 19217    | 4.657    | ug/L   | 99       |
| 16) Methylene chloride        | 2.503  | 84    | 91504    | 4.514    | ug/L   | 93       |
| 17) Methyl tert-butyl Ether   | 2.761  | 73    | 9470647  | 281.740  | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 2.757  | 96    | 116448   | 6.404    | ug/L   | 95       |
| 19) 1,1-Dichloroethane        | 3.185  | 63    | 197152   | 6.632    | ug/L   | 99       |
| 21) 2-Butanone                | 3.976  | 43    | 144992   | 55.080   | ug/L   | 86       |
| 22) cis-1,2-Dichloroethene    | 3.905  | 96    | 111843   | 6.050    | ug/L   | 92       |
| 23) Bromochloromethane        | 4.246  | 128   | 44505    | 5.692    | ug/L   | 92       |
| 25) Chloroform                | 4.371  | 83    | 163278   | 5.239    | ug/L   | 95       |

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 Sample : N5648-08MS  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
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Manual Integrations  
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Quant Time: Nov 18 08:33:51 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111122WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 18 04:35:43 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.127  | 62   | 87106    | 5.427  | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane     | 4.603  | 97   | 140879   | 4.987  | ug/L   | 98       |
| 30) Cyclohexane               | 4.674  | 56   | 133689   | 4.656  | ug/L   | 97       |
| 31) Carbon tetrachloride      | 4.822  | 117  | 118560   | 4.873  | ug/L   | 99       |
| 33) Benzene                   | 5.095  | 78   | 407798   | 5.543  | ug/L   | 100      |
| 34) Trichloroethene           | 5.912  | 95   | 97313    | 5.167  | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.127  | 83   | 153863   | 4.648  | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 6.169  | 63   | 84311    | 4.970  | ug/L   | 99       |
| 38) Bromodichloromethane      | 6.506  | 83   | 105083   | 4.891  | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 7.024  | 75   | 104585   | 4.416  | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 388627   | 53.244 | ug/L   | 98       |
| 42) Toluene                   | 7.381  | 91   | 415296   | 5.225  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 82151    | 4.468  | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane     | 7.834  | 97   | 62335    | 5.613  | ug/L   | 98       |
| 47) Tetrachloroethene         | 7.969  | 164  | 84796    | 5.623  | ug/L   | 94       |
| 48) 2-Hexanone                | 8.136  | 43   | 280580   | 54.877 | ug/L   | 99       |
| 49) Dibromochloromethane      | 8.239  | 129  | 69099    | 5.146  | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 8.345  | 107  | 58518    | 5.672  | ug/L   | 96       |
| 51) Chlorobenzene             | 8.876  | 112  | 273456   | 5.565  | ug/L   | 98       |
| 52) Ethylbenzene              | 9.005  | 91   | 444273   | 5.369  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.130  | 106  | 177102   | 5.382  | ug/L   | 98       |
| 54) o-Xylene                  | 9.535  | 106  | 175085   | 5.597  | ug/L   | 99       |
| 55) Styrene                   | 9.554  | 104  | 294333   | 5.610  | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.233 | 83   | 73193    | 5.655  | ug/L # | 98       |
| 59) Bromoform                 | 9.725  | 173  | 35166    | 4.977  | ug/L   | 97       |
| 60) Isopropylbenzene          | 9.924  | 105  | 461375   | 5.484  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.265 | 75   | 50915    | 5.748  | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 10.532 | 105  | 389850   | 5.470  | ug/L   | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.905 | 105  | 386430   | 5.413  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.172 | 146  | 222025   | 5.617  | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.265 | 146  | 215372   | 5.419  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 11.635 | 146  | 194544   | 5.477  | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.419 | 75   | 7443     | 4.271  | ug/L # | 72       |
| 69) 1,3,5-Trichlorobenzene    | 12.635 | 180  | 156932   | 5.146  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.252 | 180  | 116257   | 5.040  | ug/L   | 99       |
| 71) Naphthalene               | 13.493 | 128  | 143826   | 4.832  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.731 | 180  | 102844   | 5.264  | ug/L   | 100      |

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

## Manual Integrations APPROVED

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