

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW121323\  
 Data File : VW033273.D  
 Acq On : 13 Dec 2023 12:42  
 Operator : SY/MD  
 Sample : VSTD020220  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD020220

Quant Time: Dec 13 23:02:14 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR121323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Dec 13 22:59:35 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| -----                         |        |      |          |         |        |          |
| Internal Standards            |        |      |          |         |        |          |
| 1) 1,4-Difluorobenzene        | 5.532  | 114  | 155361   | 5.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.783  | 117  | 150625   | 5.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185 | 152  | 86735    | 5.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |         |        |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65   | 223153   | 17.739  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.532  | 69   | 160969   | 13.685  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.056  | 65   | 83031    | 14.921  | ug/L   | 0.00     |
| 20) 2-Butanone-d5             | 3.809  | 46   | 290580   | 174.032 | ug/L   | -0.03    |
| 24) Chloroform-d              | 4.243  | 84   | 448476   | 19.898  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 4.937  | 65   | 196400   | 19.650  | ug/L   | 0.00     |
| 32) Benzene-d6                | 4.956  | 84   | 865845   | 21.949  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 5.985  | 67   | 199375   | 18.518  | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.239  | 98   | 852983   | 22.694  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.548  | 79   | 95449    | 21.936  | ug/L   | 0.00     |
| 46) 2-Hexanone-d5             | 8.024  | 63   | 292149   | 202.865 | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.152 | 84   | 135510   | 17.232  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.561 | 152  | 333509   | 21.855  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |         |        |          |
|                               |        |      |          |         |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.105  | 85   | 404671   | 22.705  | ug/L   | 97       |
| 3) Chloromethane              | 1.214  | 50   | 229110   | 14.553  | ug/L   | 99       |
| 5) Vinyl chloride             | 1.281  | 62   | 236059   | 15.520  | ug/L   | 98       |
| 6) Bromomethane               | 1.487  | 94   | 154183   | 14.286  | ug/L   | 97       |
| 8) Chloroethane               | 1.548  | 64   | 121884   | 11.045  | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.712  | 101  | 409924   | 16.745  | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.066  | 101  | 191729   | 14.337  | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.066  | 96   | 181533   | 14.600  | ug/L   | 92       |
| 13) Acetone                   | 2.159  | 43   | 166019   | 108.838 | ug/L # | 61       |
| 14) Carbon disulfide          | 2.236  | 76   | 587642   | 16.034  | ug/L   | 100      |
| 15) Methyl Acetate            | 2.384  | 43   | 44317    | 13.110  | ug/L   | 93       |
| 16) Methylene chloride        | 2.445  | 84   | 191608   | 12.797  | ug/L   | 98       |
| 17) Methyl tert-butyl Ether   | 2.703  | 73   | 402531   | 18.611  | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 2.690  | 96   | 222406   | 18.136  | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.108  | 63   | 343333   | 16.114  | ug/L   | 98       |
| 21) 2-Butanone                | 3.886  | 43   | 265566   | 140.418 | ug/L   | 94       |
| 22) cis-1,2-Dichloroethene    | 3.809  | 96   | 237973   | 18.708  | ug/L   | 92       |
| 23) Bromochloromethane        | 4.143  | 128  | 99759    | 17.340  | ug/L   | 96       |
| 25) Chloroform                | 4.268  | 83   | 405854   | 17.004  | ug/L   | 98       |
| 27) 1,2-Dichloroethane        | 5.037  | 62   | 222224   | 17.368  | ug/L   | 96       |
| 29) 1,1,1-Trichloroethane     | 4.506  | 97   | 418269   | 19.850  | ug/L   | 99       |
| 30) Cyclohexane               | 4.577  | 56   | 289629   | 19.985  | ug/L   | 99       |
| 31) Carbon tetrachloride      | 4.731  | 117  | 392896   | 21.219  | ug/L   | 100      |
| 33) Benzene                   | 5.005  | 78   | 830225   | 18.954  | ug/L   | 100      |
| 34) Trichloroethene           | 5.828  | 95   | 240527   | 19.547  | ug/L   | 98       |
| 35) Methylcyclohexane         | 6.046  | 83   | 369265   | 22.108  | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.088  | 63   | 166673   | 15.949  | ug/L   | 100      |
| 38) Bromodichloromethane      | 6.429  | 83   | 270542   | 17.991  | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 6.950  | 75   | 299743   | 19.911  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.156  | 43   | 660108   | 161.937 | ug/L   | 99       |
| 42) Toluene                   | 7.310  | 91   | 969116   | 19.945  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 7.577  | 75   | 247052   | 20.277  | ug/L   | 98       |

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 Data File : VV033273.D  
 Acq On : 13 Dec 2023 12:42  
 Operator : SY/MD  
 Sample : VSTD02020  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD020220

Quant Time: Dec 13 23:02:14 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR121323WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Dec 13 22:59:35 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 45) 1,1,2-Trichloroethane     | 7.767  | 97   | 127385   | 16.578  | ug/L  | 96       |
| 47) Tetrachloroethene         | 7.902  | 164  | 227041   | 21.344  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.075  | 43   | 484304   | 159.029 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.175  | 129  | 183116   | 19.176  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.281  | 107  | 126458   | 17.248  | ug/L  | 99       |
| 51) Chlorobenzene             | 8.812  | 112  | 650412   | 19.852  | ug/L  | 99       |
| 52) Ethylbenzene              | 8.943  | 91   | 1130699  | 22.026  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.069  | 106  | 456225   | 22.535  | ug/L  | 100      |
| 54) o-Xylene                  | 9.477  | 106  | 430664   | 22.545  | ug/L  | 99       |
| 55) Styrene                   | 9.493  | 104  | 736085   | 22.533  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.178 | 83   | 125223   | 14.925  | ug/L  | 97       |
| 59) Bromoform                 | 9.664  | 173  | 110123   | 19.874  | ug/L  | 97       |
| 60) Isopropylbenzene          | 9.866  | 105  | 1225382  | 22.275  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.207 | 75   | 92044    | 15.251  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.474 | 105  | 1056126  | 24.110  | ug/L  | 97       |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105  | 1060759  | 24.183  | ug/L  | 98       |
| 64) 1,3-Dichlorobenzene       | 11.117 | 146  | 608896   | 20.897  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.207 | 146  | 590728   | 19.923  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.577 | 146  | 515809   | 20.080  | ug/L  | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.365 | 75   | 23746    | 16.006  | ug/L  | 93       |
| 69) 1,3,5-Trichlorobenzene    | 12.583 | 180  | 502434   | 22.742  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.197 | 180  | 400012   | 22.423  | ug/L  | 98       |
| 71) Naphthalene               | 13.438 | 128  | 503575   | 21.287  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.680 | 180  | 326505   | 21.583  | ug/L  | 96       |

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

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Operator  : SY/MD  
Sample    : VSTD02020  
Misc      : 25.0mL/MSVOA_V/WATER  
ALS Vial  : 7    Sample Multiplier: 1
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MSVOA\_V  
**ClientSampleId :**  
VSTD020220

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR121323WMA.M  
Quant Title : TRACE VOA SFAM1.0  
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