

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW092822\  
 Data File : VW028173.D  
 Acq On : 28 Sep 2022 20:52  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005308

Quant Time: Sep 28 21:27:44 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092222WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Sep 28 03:08:11 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.612  | 114   | 168108   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.847  | 117   | 160688   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246 | 152   | 89931    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.301  | 65    | 80277    | 4.606    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 92.200%  |
| 7) Chloroethane-d5            | 1.561  | 69    | 65162    | 4.703    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 94.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.101  | 63    | 131850   | 4.362    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 87.200%  |
| 20) 2-Butanone-d5             | 3.892  | 46    | 138686   | 47.135   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 94.260%  |
| 24) Chloroform-d              | 4.342  | 84    | 140469   | 5.051    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 101.000% |
| 26) 1,2-Dichloroethane-d4     | 5.027  | 65    | 61218    | 4.626    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.600%  |
| 32) Benzene-d6                | 5.043  | 84    | 270587   | 5.136    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 102.800% |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67    | 73843    | 4.496    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 90.000%  |
| 41) Toluene-d8                | 7.310  | 98    | 248997   | 5.221    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 104.400% |
| 43) trans-1,3-Dichloroprop... | 7.619  | 79    | 25515    | 4.300    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 86.000%  |
| 46) 2-Hexanone-d5             | 8.085  | 63    | 113334   | 45.766   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 91.540%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.210 | 84    | 50884    | 4.532    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 90.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 85840    | 4.866    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 97.400%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.124  | 85    | 57954    | 4.616    | ug/L   | 92       |
| 3) Chloromethane              | 1.236  | 50    | 50040    | 3.009    | ug/L   | 98       |
| 5) Vinyl chloride             | 1.304  | 62    | 59749    | 4.583    | ug/L   | 99       |
| 6) Bromomethane               | 1.516  | 94    | 25066    | 2.953    | ug/L   | 99       |
| 8) Chloroethane               | 1.577  | 64    | 40603    | 4.645    | ug/L   | 90       |
| 9) Trichlorofluoromethane     | 1.748  | 101   | 100651   | 4.863    | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.108  | 101   | 57294    | 4.803    | ug/L   | 95       |
| 12) 1,1-Dichloroethene        | 2.111  | 96    | 52549    | 4.523    | ug/L   | 85       |
| 13) Acetone                   | 2.182  | 43    | 86928    | 38.356   | ug/L   | 96       |
| 14) Carbon disulfide          | 2.288  | 76    | 104075   | 4.668    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.436  | 43    | 20948    | 4.761    | ug/L # | 91       |
| 16) Methylene chloride        | 2.500  | 84    | 77007    | 5.938    | ug/L   | 94       |
| 17) Methyl tert-butyl Ether   | 2.764  | 73    | 128170   | 5.129    | ug/L   | 97       |
| 18) trans-1,2-Dichloroethene  | 2.754  | 96    | 52372    | 5.150    | ug/L   | 93       |
| 19) 1,1-Dichloroethane        | 3.182  | 63    | 108889   | 4.908    | ug/L   | 98       |
| 21) 2-Butanone                | 3.973  | 43    | 128938   | 45.953   | ug/L   | 94       |
| 22) cis-1,2-Dichloroethene    | 3.905  | 96    | 62904    | 4.714    | ug/L   | 95       |
| 23) Bromochloromethane        | 4.246  | 128   | 29084    | 5.443    | ug/L # | 82       |
| 25) Chloroform                | 4.368  | 83    | 119833   | 5.034    | ug/L   | 97       |

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 ALS Vial : 26 Sample Multiplier: 1

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Quant Time: Sep 28 21:27:44 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092222WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Sep 28 03:08:11 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| 27) 1,2-Dichloroethane        | 5.127  | 62   | 60376    | 4.756  | ug/L # | 93       |
| 29) 1,1,1-Trichloroethane     | 4.603  | 97   | 101901   | 5.161  | ug/L   | 98       |
| 30) Cyclohexane               | 4.667  | 56   | 65533    | 4.589  | ug/L   | 90       |
| 31) Carbon tetrachloride      | 4.821  | 117  | 84630    | 5.209  | ug/L   | 99       |
| 33) Benzene                   | 5.091  | 78   | 226231   | 5.070  | ug/L   | 100      |
| 34) Trichloroethene           | 5.911  | 95   | 56069    | 5.048  | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.124  | 83   | 70995    | 4.661  | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 6.169  | 63   | 56414    | 4.510  | ug/L   | 98       |
| 38) Bromodichloromethane      | 6.503  | 83   | 72658    | 4.705  | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 7.024  | 75   | 67412    | 4.339  | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 281199   | 46.291 | ug/L   | 95       |
| 42) Toluene                   | 7.384  | 91   | 235339   | 5.056  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 58576    | 4.383  | ug/L   | 96       |
| 45) 1,1,2-Trichloroethane     | 7.837  | 97   | 40688    | 4.852  | ug/L   | 97       |
| 47) Tetrachloroethene         | 7.972  | 164  | 45927    | 5.180  | ug/L   | 93       |
| 48) 2-Hexanone                | 8.136  | 43   | 190216   | 41.248 | ug/L # | 93       |
| 49) Dibromochloromethane      | 8.242  | 129  | 47912    | 4.752  | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 8.349  | 107  | 34590    | 4.747  | ug/L   | 99       |
| 51) Chlorobenzene             | 8.879  | 112  | 160552   | 5.143  | ug/L   | 97       |
| 52) Ethylbenzene              | 9.008  | 91   | 236297   | 4.799  | ug/L   | 97       |
| 53) m,p-Xylene                | 9.136  | 106  | 96241    | 5.100  | ug/L   | 93       |
| 54) o-Xylene                  | 9.538  | 106  | 96973    | 5.204  | ug/L   | 93       |
| 55) Styrene                   | 9.558  | 104  | 168149   | 5.207  | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.236 | 83   | 46362    | 4.745  | ug/L   | 100      |
| 59) Bromoform                 | 9.728  | 173  | 27308    | 4.783  | ug/L   | 99       |
| 60) Isopropylbenzene          | 9.927  | 105  | 254643   | 4.824  | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.271 | 75   | 32971    | 4.371  | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 10.535 | 105  | 72113    | 4.850  | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 198679   | 4.780  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 135331   | 5.152  | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.268 | 146  | 133573   | 5.083  | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 11.638 | 146  | 122628   | 4.942  | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropr... | 12.422 | 75   | 7182     | 4.344  | ug/L   | 91       |
| 69) 1,3,5-Trichlorobenzene    | 12.641 | 180  | 106610   | 5.128  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.258 | 180  | 94538    | 5.686  | ug/L   | 99       |
| 71) Naphthalene               | 13.500 | 128  | 129776   | 4.766  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 77786    | 5.172  | ug/L   | 99       |
| -----                         |        |      |          |        |        |          |

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

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