

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV092622\  
 Data File : VV028111.D  
 Acq On : 26 Sep 2022 10:29  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005303

Quant Time: Sep 26 21:26:58 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092222WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Sep 24 01:23:44 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 5.609  | 114            | 181790   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.847  | 117            | 182601   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246 | 152            | 102081   | 5.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.301  | 65             | 79170    | 4.201  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 84.000%  |          |
| 7) Chloroethane-d5            | 1.561  | 69             | 70054    | 4.675  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 93.600%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.098  | 63             | 135995   | 4.160  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 83.200%  |          |
| 20) 2-Butanone-d5             | 3.902  | 46             | 168231   | 52.873 | ug/L     | 0.01     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 105.740% |          |
| 24) Chloroform-d              | 4.336  | 84             | 150455   | 5.003  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 100.000% |          |
| 26) 1,2-Dichloroethane-d4     | 5.024  | 65             | 69998    | 4.891  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 97.800%  |          |
| 32) Benzene-d6                | 5.040  | 84             | 269129   | 4.495  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 89.800%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.063  | 67             | 84748    | 4.540  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 90.800%  |          |
| 41) Toluene-d8                | 7.307  | 98             | 240979   | 4.447  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 89.000%  |          |
| 43) trans-1,3-Dichloroprop... | 7.616  | 79             | 32273    | 4.787  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 95.800%  |          |
| 46) 2-Hexanone-d5             | 8.085  | 63             | 146549   | 52.077 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 104.160% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.210 | 84             | 65726    | 5.151  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 103.000% |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.619 | 152            | 89634    | 4.477  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 89.600%  |          |
| Target Compounds              |        |                |          |        |          |          |
|                               |        |                |          |        | Qvalue   |          |
| 2) Dichlorodifluoromethane    | 1.124  | 85             | 71333    | 5.254  | ug/L     | 93       |
| 3) Chloromethane              | 1.237  | 50             | 66500    | 3.698  | ug/L     | 98       |
| 5) Vinyl chloride             | 1.304  | 62             | 73390    | 5.206  | ug/L     | 99       |
| 6) Bromomethane               | 1.516  | 94             | 45639    | 4.971  | ug/L     | 98       |
| 8) Chloroethane               | 1.577  | 64             | 46783    | 4.949  | ug/L     | 99       |
| 9) Trichlorofluoromethane     | 1.745  | 101            | 117124   | 5.233  | ug/L     | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.108  | 101            | 67515    | 5.234  | ug/L     | 99       |
| 12) 1,1-Dichloroethene        | 2.108  | 96             | 59499    | 4.736  | ug/L     | 93       |
| 13) Acetone                   | 2.201  | 43             | 96575    | 39.405 | ug/L     | 62       |
| 14) Carbon disulfide          | 2.285  | 76             | 117668   | 4.881  | ug/L     | 99       |
| 15) Methyl Acetate            | 2.439  | 43             | 22481    | 4.725  | ug/L     | 94       |
| 16) Methylene chloride        | 2.497  | 84             | 68864    | 4.910  | ug/L     | 89       |
| 17) Methyl tert-butyl Ether   | 2.764  | 73             | 133217   | 4.929  | ug/L     | 99       |
| 18) trans-1,2-Dichloroethene  | 2.748  | 96             | 56123    | 5.103  | ug/L     | 95       |
| 19) 1,1-Dichloroethane        | 3.179  | 63             | 126260   | 5.263  | ug/L     | 99       |
| 21) 2-Butanone                | 3.992  | 43             | 137740   | 45.396 | ug/L     | 96       |
| 22) cis-1,2-Dichloroethene    | 3.899  | 96             | 65028    | 4.506  | ug/L     | 98       |
| 23) Bromochloromethane        | 4.240  | 128            | 31058    | 5.375  | ug/L     | 87       |
| 25) Chloroform                | 4.365  | 83             | 131847   | 5.122  | ug/L     | 96       |

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 Acq On : 26 Sep 2022 10:29  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005303

Quant Time: Sep 26 21:26:58 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR092222WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Sep 24 01:23:44 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.121  | 62   | 71028    | 5.174  | ug/L  | 97       |
| 29) 1,1,1-Trichloroethane     | 4.597  | 97   | 114164   | 5.088  | ug/L  | 98       |
| 30) Cyclohexane               | 4.667  | 56   | 75472    | 4.651  | ug/L  | 95       |
| 31) Carbon tetrachloride      | 4.818  | 117  | 95611    | 5.179  | ug/L  | 99       |
| 33) Benzene                   | 5.088  | 78   | 256546   | 5.059  | ug/L  | 100      |
| 34) Trichloroethene           | 5.905  | 95   | 63035    | 4.994  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.121  | 83   | 83688    | 4.835  | ug/L  | 98       |
| 37) 1,2-Dichloropropane       | 6.166  | 63   | 68754    | 4.837  | ug/L  | 98       |
| 38) Bromodichloromethane      | 6.503  | 83   | 91120    | 5.192  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.021  | 75   | 81796    | 4.633  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43   | 363450   | 52.651 | ug/L  | 100      |
| 42) Toluene                   | 7.381  | 91   | 280070   | 5.295  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.645  | 75   | 77645    | 5.113  | ug/L  | 95       |
| 45) 1,1,2-Trichloroethane     | 7.834  | 97   | 49631    | 5.209  | ug/L  | 99       |
| 47) Tetrachloroethene         | 7.969  | 164  | 50500    | 5.012  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.137  | 43   | 275222   | 52.520 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.239  | 129  | 59167    | 5.164  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.346  | 107  | 42885    | 5.179  | ug/L  | 97       |
| 51) Chlorobenzene             | 8.876  | 112  | 181486   | 5.116  | ug/L  | 100      |
| 52) Ethylbenzene              | 9.008  | 91   | 278536   | 4.978  | ug/L  | 98       |
| 53) m,p-Xylene                | 9.133  | 106  | 109773   | 5.119  | ug/L  | 98       |
| 54) o-Xylene                  | 9.538  | 106  | 106487   | 5.029  | ug/L  | 99       |
| 55) Styrene                   | 9.555  | 104  | 196843   | 5.364  | ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.236 | 83   | 59756    | 5.382  | ug/L  | 100      |
| 59) Bromoform                 | 9.728  | 173  | 32872    | 5.072  | ug/L  | 98       |
| 60) Isopropylbenzene          | 9.924  | 105  | 290297   | 4.845  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.268 | 75   | 41857    | 4.889  | ug/L  | 97       |
| 62) 1,3,5-Trimethylbenzene    | 10.535 | 105  | 76233    | 4.517  | ug/L  | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 219909   | 4.661  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 151373   | 5.077  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.268 | 146  | 150256   | 5.037  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.638 | 146  | 139743   | 4.962  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.423 | 75   | 9090     | 4.844  | ug/L  | 91       |
| 69) 1,3,5-Trichlorobenzene    | 12.641 | 180  | 117737   | 4.989  | ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.259 | 180  | 90664    | 4.804  | ug/L  | 99       |
| 71) Naphthalene               | 13.497 | 128  | 133513   | 4.320  | ug/L  | 97       |
| 72) 1,2,3-Trichlorobenzene    | 13.738 | 180  | 81960    | 4.801  | ug/L  | 100      |

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

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 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
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