

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW091522\  
 Data File : VW027869.D  
 Acq On : 15 Sep 2022 21:08  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005291

Quant Time: Sep 16 01:43:05 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR090622WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Sep 16 01:29:01 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.616  | 114   | 128011   | 5.000    | ug/L   | 0.03     |
| 28) Chlorobenzene-d5          | 8.850  | 117   | 125313   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246 | 152   | 71887    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65    | 30039    | 3.560    | ug/L   | 0.01     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 71.200%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 32718    | 4.571    | ug/L   | 0.01     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 91.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 65546    | 3.661    | ug/L   | 0.01     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 73.200%  |
| 20) 2-Butanone-d5             | 3.892  | 46    | 75847    | 40.559   | ug/L   | -0.05    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 81.120%  |
| 24) Chloroform-d              | 4.346  | 84    | 87897    | 5.087    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 101.800% |
| 26) 1,2-Dichloroethane-d4     | 5.030  | 65    | 43762    | 4.756    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 95.200%  |
| 32) Benzene-d6                | 5.047  | 84    | 154754   | 4.257    | ug/L   | 0.02     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 85.200%  |
| 36) 1,2-Dichloropropane-d6    | 6.069  | 67    | 42906    | 4.031    | ug/L   | 0.02     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 80.600%  |
| 41) Toluene-d8                | 7.313  | 98    | 141838   | 4.640    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.800%  |
| 43) trans-1,3-Dichloroprop... | 7.622  | 79    | 15849    | 4.438    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 88.800%  |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 64224    | 48.386   | ug/L   | -0.02    |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 96.780%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84    | 32424    | 4.744    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 94.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 52827    | 4.473    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 89.400%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.130  | 85    | 63488    | 5.052    | ug/L   | 97       |
| 3) Chloromethane              | 1.240  | 50    | 49374    | 4.315    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.310  | 62    | 53059    | 4.604    | ug/L   | 96       |
| 6) Bromomethane               | 1.523  | 94    | 32342    | 5.210    | ug/L   | 92       |
| 8) Chloroethane               | 1.584  | 64    | 33812    | 5.109    | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 1.751  | 101   | 93030    | 4.982    | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114  | 101   | 42846    | 4.707    | ug/L   | 92       |
| 12) 1,1-Dichloroethene        | 2.117  | 96    | 40763    | 4.805    | ug/L   | 79       |
| 13) Acetone                   | 2.178  | 43    | 48716    | 34.963   | ug/L   | 85       |
| 14) Carbon disulfide          | 2.291  | 76    | 112050   | 4.448    | ug/L   | 99       |
| 15) Methyl Acetate            | 2.436  | 43    | 12548    | 3.395    | ug/L # | 85       |
| 16) Methylene chloride        | 2.506  | 84    | 67073    | 6.139    | ug/L   | 90       |
| 17) Methyl tert-butyl Ether   | 2.767  | 73    | 102760   | 5.103    | ug/L   | 97       |
| 18) trans-1,2-Dichloroethene  | 2.757  | 96    | 46814    | 5.225    | ug/L   | 89       |
| 19) 1,1-Dichloroethane        | 3.188  | 63    | 88519    | 5.265    | ug/L   | 99       |
| 21) 2-Butanone                | 3.976  | 43    | 78562    | 39.943   | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 3.908  | 96    | 51316    | 5.255    | ug/L # | 85       |
| 23) Bromochloromethane        | 4.246  | 128   | 23639    | 5.765    | ug/L # | 78       |
| 25) Chloroform                | 4.371  | 83    | 101603   | 5.447    | ug/L   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW091522\  
 Data File : VW027869.D  
 Acq On : 15 Sep 2022 21:08  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005291

Quant Time: Sep 16 01:43:05 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR090622WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Sep 16 01:29:01 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.127  | 62   | 56385    | 4.985  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 4.606  | 97   | 96471    | 5.005  | ug/L  | 96       |
| 30) Cyclohexane               | 4.677  | 56   | 60809    | 3.839  | ug/L  | 92       |
| 31) Carbon tetrachloride      | 4.825  | 117  | 83822    | 5.119  | ug/L  | 99       |
| 33) Benzene                   | 5.098  | 78   | 194749   | 4.705  | ug/L  | 100      |
| 34) Trichloroethene           | 5.911  | 95   | 50930    | 4.917  | ug/L  | 94       |
| 35) Methylcyclohexane         | 6.127  | 83   | 70863    | 4.454  | ug/L  | 95       |
| 37) 1,2-Dichloropropane       | 6.169  | 63   | 44805    | 4.562  | ug/L  | 97       |
| 38) Bromodichloromethane      | 6.506  | 83   | 66982    | 5.144  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.024  | 75   | 61674    | 4.974  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.226  | 43   | 213506   | 47.963 | ug/L  | 95       |
| 42) Toluene                   | 7.384  | 91   | 217692   | 5.430  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.651  | 75   | 53997    | 5.189  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 7.837  | 97   | 34294    | 5.389  | ug/L  | 95       |
| 47) Tetrachloroethene         | 7.972  | 164  | 43118    | 5.187  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.140  | 43   | 164094   | 50.705 | ug/L  | 94       |
| 49) Dibromochloromethane      | 8.243  | 129  | 43059    | 5.330  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.352  | 107  | 31016    | 5.390  | ug/L  | 100      |
| 51) Chlorobenzene             | 8.879  | 112  | 139468   | 5.361  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.011  | 91   | 221534   | 5.328  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.136  | 106  | 90617    | 5.541  | ug/L  | 97       |
| 54) o-Xylene                  | 9.541  | 106  | 87675    | 5.624  | ug/L  | 97       |
| 55) Styrene                   | 9.558  | 104  | 151149   | 5.607  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 36017    | 5.050  | ug/L  | 100      |
| 59) Bromoform                 | 9.728  | 173  | 22997    | 5.285  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.927  | 105  | 236336   | 5.255  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.271 | 75   | 27771    | 4.878  | ug/L  | 97       |
| 62) 1,3,5-Trimethylbenzene    | 10.535 | 105  | 66063    | 5.216  | ug/L  | 96       |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 183414   | 5.094  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 117895   | 5.177  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146  | 115414   | 5.029  | ug/L  | 97       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 107407   | 5.194  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 5908     | 4.835  | ug/L  | 91       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 91123    | 5.281  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.258 | 180  | 67221    | 4.928  | ug/L  | 100      |
| 71) Naphthalene               | 13.500 | 128  | 87636    | 4.090  | ug/L  | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 59221    | 4.873  | ug/L  | 99       |

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

