

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW061122\  
 Data File : VW026165.D  
 Acq On : 12 Jun 2022 06:11  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005307

Quant Time: Jun 13 07:47:54 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR060822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Jun 13 07:40:59 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon           | Response | Conc  | Units   | Dev(Min) |
|-------------------------------|--------|----------------|----------|-------|---------|----------|
| Internal Standards            |        |                |          |       |         |          |
| 1) 1,4-Difluorobenzene        | 5.622  | 114            | 183767   | 5.00  | ug/L    | 0.00     |
| 28) Chlorobenzene-d5          | 8.854  | 117            | 174919   | 5.00  | ug/L    | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152            | 87441    | 5.00  | ug/L    | 0.00     |
| System Monitoring Compounds   |        |                |          |       |         |          |
| 4) Vinyl Chloride-d3          | 1.320  | 65             | 48988    | 4.54  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =     | 90.80%  |          |
| 7) Chloroethane-d5            | 1.581  | 69             | 57515    | 5.10  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =     | 102.00% |          |
| 11) 1,1-Dichloroethene-d2     | 2.124  | 63             | 111409   | 4.47  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =     | 89.40%  |          |
| 20) 2-Butanone-d5             | 3.915  | 46             | 67577    | 42.36 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =     | 84.72%  |          |
| 24) Chloroform-d              | 4.362  | 84             | 118040   | 5.16  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =     | 103.20% |          |
| 26) 1,2-Dichloroethane-d4     | 5.043  | 65             | 47812    | 5.13  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =     | 102.60% |          |
| 32) Benzene-d6                | 5.060  | 84             | 228088   | 5.40  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =     | 108.00% |          |
| 36) 1,2-Dichloropropane-d6    | 6.076  | 67             | 68448    | 5.23  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =     | 104.60% |          |
| 41) Toluene-d8                | 7.317  | 98             | 202039   | 5.41  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =     | 108.20% |          |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79             | 16318    | 4.24  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =     | 84.80%  |          |
| 46) 2-Hexanone-d5             | 8.092  | 63             | 72494    | 42.79 | ug/L    | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =     | 85.58%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84             | 42604    | 4.83  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =     | 96.60%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152            | 63238    | 4.73  | ug/L    | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =     | 94.60%  |          |
| Target Compounds              |        |                |          |       |         |          |
|                               |        |                |          |       |         | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.143  | 85             | 69397    | 3.84  | ug/L    | 99       |
| 3) Chloromethane              | 1.256  | 50             | 82215    | 4.06  | ug/L    | 100      |
| 5) Vinyl chloride             | 1.327  | 62             | 82999    | 3.92  | ug/L    | 96       |
| 6) Bromomethane               | 1.536  | 94             | 46441    | 3.79  | ug/L    | 98       |
| 8) Chloroethane               | 1.600  | 64             | 53616    | 4.12  | ug/L    | 100      |
| 9) Trichlorofluoromethane     | 1.767  | 101            | 104829   | 3.89  | ug/L    | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.134  | 101            | 56429    | 3.67  | ug/L    | 98       |
| 12) 1,1-Dichloroethene        | 2.134  | 96             | 58062    | 3.93  | ug/L    | 96       |
| 13) Acetone                   | 2.201  | 43             | 42206    | 33.17 | ug/L    | 79       |
| 14) Carbon disulfide          | 2.310  | 76             | 145877   | 3.46  | ug/L    | 99       |
| 15) Methyl Acetate            | 2.452  | 43             | 13936    | 3.35  | ug/L #  | 76       |
| 16) Methylene chloride        | 2.523  | 84             | 63362    | 4.30  | ug/L    | 99       |
| 17) Methyl tert-butyl Ether   | 2.783  | 73             | 106054   | 4.42  | ug/L    | 98       |
| 18) trans-1,2-Dichloroethene  | 2.773  | 96             | 55922    | 4.01  | ug/L    | 98       |
| 19) 1,1-Dichloroethane        | 3.204  | 63             | 112513   | 4.44  | ug/L    | 98       |
| 21) 2-Butanone                | 4.002  | 43             | 65428    | 39.47 | ug/L    | 96       |
| 22) cis-1,2-Dichloroethene    | 3.925  | 96             | 59050    | 4.30  | ug/L    | 99       |
| 23) Bromochloromethane        | 4.262  | 128            | 24859    | 4.30  | ug/L    | 94       |
| 25) Chloroform                | 4.388  | 83             | 118359   | 4.55  | ug/L    | 98       |

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 Sample : VSTDCCC005EC  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005307

Quant Time: Jun 13 07:47:54 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR060822WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Mon Jun 13 07:40:59 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.140  | 62   | 56619    | 4.40  | ug/L  | 100      |
| 29) 1,1,1-Trichloroethane     | 4.619  | 97   | 94568    | 4.12  | ug/L  | 99       |
| 30) Cyclohexane               | 4.687  | 56   | 69325    | 3.47  | ug/L  | 96       |
| 31) Carbon tetrachloride      | 4.838  | 117  | 75925    | 4.03  | ug/L  | 98       |
| 33) Benzene                   | 5.108  | 78   | 237355   | 4.32  | ug/L  | 100      |
| 34) Trichloroethene           | 5.921  | 95   | 58311    | 4.06  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.137  | 83   | 68507    | 3.09  | ug/L  | 96       |
| 37) 1,2-Dichloropropane       | 6.178  | 63   | 61819    | 4.64  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.513  | 83   | 72162    | 4.48  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.031  | 75   | 61376    | 3.74  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.230  | 43   | 248076   | 45.58 | ug/L  | 97       |
| 42) Toluene                   | 7.391  | 91   | 245778   | 4.28  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.654  | 75   | 51138    | 3.98  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 7.841  | 97   | 38936    | 4.50  | ug/L  | 95       |
| 47) Tetrachloroethene         | 7.976  | 164  | 39899    | 3.59  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.143  | 43   | 179212   | 46.39 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.246  | 129  | 41366    | 4.38  | ug/L  | 98       |
| 50) 1,2-Dibromoethane         | 8.355  | 107  | 34500    | 4.48  | ug/L  | 99       |
| 51) Chlorobenzene             | 8.883  | 112  | 150223   | 4.02  | ug/L  | 100      |
| 52) Ethylbenzene              | 9.011  | 91   | 234703   | 3.90  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.140  | 106  | 89631    | 3.85  | ug/L  | 98       |
| 54) o-Xylene                  | 9.542  | 106  | 87852    | 3.97  | ug/L  | 98       |
| 55) Styrene                   | 9.561  | 104  | 152047   | 4.10  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.243 | 83   | 39906    | 4.31  | ug/L  | 96       |
| 59) Bromoform                 | 9.731  | 173  | 16922    | 4.13  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.931  | 105  | 224589   | 3.86  | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.272 | 75   | 30245    | 4.43  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 170191   | 3.70  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105  | 171410   | 3.74  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.182 | 146  | 109024   | 3.95  | ug/L  | 97       |
| 65) 1,4-Dichlorobenzene       | 11.272 | 146  | 106876   | 3.80  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 97167    | 3.98  | ug/L  | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 5098     | 4.20  | ug/L  | 87       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 68497    | 3.43  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.259 | 180  | 51295    | 3.44  | ug/L  | 98       |
| 71) Naphthalene               | 13.500 | 128  | 71725    | 3.39  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 43784    | 3.47  | ug/L  | 99       |

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

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Sample    : VSTDCCC005EC  
Misc      : 25mL/MSVOA_V/WATER  
ALS Vial  : 53   Sample Multiplier: 1
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MSVOA\_V  
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