

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW022721\  
 Data File : VW020407.D  
 Acq On : 26 Feb 2021 10:11  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD00541

Quant Time: Feb 27 01:03:12 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVTR022221WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Feb 24 01:23:15 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|------|-------|----------|
| -----                      |        |      |          |      |       |          |
| Internal Standards         |        |      |          |      |       |          |
| 1) 1,4-Difluorobenzene     | 5.616  | 114  | 315234   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.857  | 117  | 305015   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.255 | 152  | 168383   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                               |        |       |          |          |      |        |
|-------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3          | 1.307  | 65    | 85906    | 3.87     | ug/L | 0.00   |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =    | 77.40% |
| 7) Chloroethane-d5            | 1.568  | 69    | 72347    | 4.15     | ug/L | 0.00   |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =    | 83.00% |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 174050   | 4.03     | ug/L | 0.00   |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =    | 80.60% |
| 20) 2-Butanone-d5             | 3.902  | 46    | 183158   | 47.63    | ug/L | 0.00   |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =    | 95.26% |
| 24) Chloroform-d              | 4.349  | 84    | 180970   | 4.56     | ug/L | 0.00   |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =    | 91.20% |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65    | 85724    | 4.44     | ug/L | 0.00   |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =    | 88.80% |
| 32) Benzene-d6                | 5.050  | 84    | 342857   | 4.49     | ug/L | 0.00   |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =    | 89.80% |
| 36) 1,2-Dichloropropane-d6    | 6.069  | 67    | 103152   | 4.56     | ug/L | 0.00   |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =    | 91.20% |
| 41) Toluene-d8                | 7.317  | 98    | 333601   | 4.52     | ug/L | 0.00   |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =    | 90.40% |
| 45) trans-1,3-Dichloroprop... | 7.625  | 79    | 39083    | 4.52     | ug/L | 0.00   |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =    | 90.40% |
| 48) 2-Hexanone-d5             | 8.092  | 63    | 146434   | 48.32    | ug/L | 0.00   |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =    | 96.64% |
| 59) 1,1,2,2-Tetrachloroeth... | 10.220 | 84    | 73303    | 4.56     | ug/L | 0.00   |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =    | 91.20% |
| 65) 1,2-Dichlorobenzene-d4    | 11.632 | 152   | 137461   | 4.60     | ug/L | 0.00   |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =    | 92.00% |

## Target Compounds

|                               |       |     |        |       | Qvalue    |
|-------------------------------|-------|-----|--------|-------|-----------|
| 2) Dichlorodifluoromethane    | 1.131 | 85  | 184214 | 4.69  | ug/L 99   |
| 3) Chloromethane              | 1.240 | 50  | 146799 | 4.23  | ug/L 96   |
| 5) Vinyl chloride             | 1.311 | 62  | 162392 | 4.39  | ug/L 99   |
| 6) Bromomethane               | 1.523 | 94  | 102779 | 4.30  | ug/L 98   |
| 8) Chloroethane               | 1.584 | 64  | 93702  | 4.20  | ug/L 96   |
| 9) Trichlorofluoromethane     | 1.754 | 101 | 238849 | 4.61  | ug/L 100  |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.118 | 101 | 131947 | 4.78  | ug/L 96   |
| 12) 1,1-Dichloroethene        | 2.118 | 96  | 122722 | 4.58  | ug/L 77   |
| 13) Acetone                   | 2.201 | 43  | 146109 | 41.91 | ug/L # 31 |
| 14) Carbon disulfide          | 2.294 | 76  | 354829 | 4.29  | ug/L 98   |
| 15) Methyl Acetate            | 2.442 | 43  | 34853  | 4.13  | ug/L 90   |
| 16) Methylene chloride        | 2.507 | 84  | 123686 | 4.28  | ug/L 99   |
| 17) Methyl tert-butyl Ether   | 2.767 | 73  | 237907 | 4.30  | ug/L # 94 |
| 18) trans-1,2-Dichloroethene  | 2.761 | 96  | 128422 | 4.57  | ug/L 94   |
| 19) 1,1-Dichloroethane        | 3.188 | 63  | 220918 | 4.46  | ug/L 98   |
| 21) 2-Butanone                | 3.986 | 43  | 224029 | 42.14 | ug/L 93   |
| 22) cis-1,2-Dichloroethene    | 3.912 | 96  | 131515 | 4.50  | ug/L 94   |
| 23) Bromochloromethane        | 4.246 | 128 | 59894  | 4.70  | ug/L 94   |
| 25) Chloroform                | 4.375 | 83  | 237820 | 4.54  | ug/L 95   |

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 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD00541

Quant Time: Feb 27 01:03:12 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVTR022221WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Feb 24 01:23:15 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.130  | 62   | 130463   | 4.35  | ug/L  | 98       |
| 29) 1,1,1-Trichloroethane     | 4.609  | 97   | 210240   | 4.62  | ug/L  | 97       |
| 30) Cyclohexane               | 4.677  | 56   | 187321   | 4.59  | ug/L  | 95       |
| 31) Carbon tetrachloride      | 4.828  | 117  | 188348   | 4.84  | ug/L  | 100      |
| 33) Benzene                   | 5.098  | 78   | 504928   | 4.57  | ug/L  | 100      |
| 34) Trichloroethene           | 5.915  | 95   | 139655   | 4.50  | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.130  | 83   | 215745   | 4.81  | ug/L  | 96       |
| 37) 1,2-Dichloropropane       | 6.175  | 63   | 119316   | 4.53  | ug/L  | 98       |
| 38) Bromodichloromethane      | 6.510  | 83   | 154329   | 4.50  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.027  | 75   | 168983   | 4.57  | ug/L  | 96       |
| 40) 4-Methyl-2-pentanone      | 7.227  | 43   | 555390   | 42.51 | ug/L  | 94       |
| 42) Toluene                   | 7.391  | 91   | 557494   | 4.65  | ug/L  | 100      |
| 43) 1,3,5-Trimethylbenzene    | 10.545 | 105  | 520994   | 4.92  | ug/L  | 99       |
| 44) 1,2,4-Trimethylbenzene    | 10.921 | 105  | 534987   | 4.96  | ug/L  | 98       |
| 46) trans-1,3-Dichloropropene | 7.654  | 75   | 137181   | 4.54  | ug/L  | 99       |
| 47) 1,1,2-Trichloroethane     | 7.841  | 97   | 82930    | 4.36  | ug/L  | 90       |
| 49) Tetrachloroethene         | 7.976  | 164  | 122981   | 4.79  | ug/L  | 98       |
| 50) 2-Hexanone                | 8.143  | 43   | 388605   | 42.43 | ug/L  | 91       |
| 51) Dibromochloromethane      | 8.249  | 129  | 103655   | 4.68  | ug/L  | 96       |
| 52) 1,2-Dibromoethane         | 8.355  | 107  | 79002    | 4.58  | ug/L  | 97       |
| 53) Chlorobenzene             | 8.886  | 112  | 366660   | 4.64  | ug/L  | 99       |
| 54) Ethylbenzene              | 9.014  | 91   | 616706   | 4.70  | ug/L  | 100      |
| 55) m,p-xylene                | 9.143  | 106  | 240662   | 4.87  | ug/L  | 99       |
| 56) o-xylene                  | 9.548  | 106  | 228297   | 4.81  | ug/L  | 95       |
| 57) Styrene                   | 9.564  | 104  | 391066   | 4.90  | ug/L  | 93       |
| 58) Isopropylbenzene          | 9.937  | 105  | 629678   | 4.88  | ug/L  | 98       |
| 60) 1,1,2,2-Tetrachloroethane | 10.246 | 83   | 87094    | 4.31  | ug/L  | 99       |
| 62) Bromoform                 | 9.738  | 173  | 53597    | 4.53  | ug/L  | 99       |
| 63) 1,3-Dichlorobenzene       | 11.188 | 146  | 313217   | 4.66  | ug/L  | 99       |
| 64) 1,4-Dichlorobenzene       | 11.278 | 146  | 311550   | 4.56  | ug/L  | 98       |
| 66) 1,2-Dichlorobenzene       | 11.651 | 146  | 278449   | 4.55  | ug/L  | 98       |
| 67) 1,2-Dibromo-3-chloropr... | 12.435 | 75   | 12427    | 4.14  | ug/L  | 85       |
| 68) 1,3,5-Trichlorobenzene    | 12.651 | 180  | 261676   | 4.80  | ug/L  | 98       |
| 69) 1,2,4-trichlorobenzene    | 13.268 | 180  | 203600   | 4.69  | ug/L  | 98       |
| 70) Naphthalene               | 13.513 | 128  | 261813   | 4.33  | ug/L  | 98       |
| 71) 1,2,3-Trichlorobenzene    | 13.754 | 180  | 178287   | 4.72  | ug/L  | 97       |

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

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Operator : SY/MD  
Sample : VSTD000005  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD00541

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVTR022221WMA.M  
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