

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070220\  
 Data File : VV017299.D  
 Acq On : 02 Jul 2020 09:46  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jul 03 01:08:40 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR061720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Jul 02 03:02:49 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 173221   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 167704   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 86902    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 39554    | 3.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 76.00%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 35870    | 4.75     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 95.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 87676    | 4.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 88.60%  |
| 20) 2-Butanone-d5              | 3.96   | 46    | 126029   | 47.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 95.12%  |
| 24) Chloroform-d               | 4.38   | 84    | 118599   | 5.33     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 106.60% |
| 26) 1,2-Dichloroethane-d4      | 5.06   | 65    | 62995    | 5.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 106.80% |
| 32) Benzene-d6                 | 5.07   | 84    | 201809   | 4.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.09   | 67    | 60636    | 4.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 93.00%  |
| 41) Toluene-d8                 | 7.33   | 98    | 186522   | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.40%  |
| 45) trans-1,3-Dichloropropene- | 7.64   | 79    | 24079    | 4.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 88.80%  |
| 48) 2-Hexanone-d5              | 8.11   | 63    | 96195    | 46.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 93.08%  |
| 59) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 46359    | 5.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 107.20% |
| 65) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 74826    | 4.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 93.20%  |

## Target Compounds

|                                |      |     |        |               | Ovalue |
|--------------------------------|------|-----|--------|---------------|--------|
| 2) Dichlorodifluoromethane     | 1.14 | 85  | 62916  | 4.550 ug/L    | 100    |
| 3) Chloromethane               | 1.25 | 50  | 51408  | 4.387 ug/L    | 98     |
| 5) Vinyl chloride              | 1.32 | 62  | 51770  | 4.555 ug/L    | 96     |
| 6) Bromomethane                | 1.53 | 94  | 29785  | 4.496 ug/L    | 100    |
| 8) Chloroethane                | 1.60 | 64  | 31768  | 5.057 ug/L    | 100    |
| 9) Trichlorofluoromethane      | 1.77 | 101 | 97825  | 5.314 ug/L    | 99     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 44504  | 4.851 ug/L    | 99     |
| 12) 1,1-Dichloroethene         | 2.13 | 96  | 40129  | 4.827 ug/L    | 89     |
| 13) Acetone                    | 2.24 | 43  | 58469m | 43.653 ug/L   |        |
| 14) Carbon disulfide           | 2.31 | 76  | 113921 | 4.573 ug/L    | 99     |
| 15) Methyl Acetate             | 2.46 | 43  | 10940  | 3.341 ug/L #  | 90     |
| 16) Methylene chloride         | 2.52 | 84  | 44046  | 4.947 ug/L    | 95     |
| 17) Methyl tert-butyl Ether    | 2.79 | 73  | 107448 | 5.147 ug/L    | 99     |
| 18) trans-1,2-Dichloroethene   | 2.78 | 96  | 43444  | 4.931 ug/L    | 99     |
| 19) 1,1-Dichloroethane         | 3.21 | 63  | 95768  | 4.838 ug/L    | 98     |
| 21) 2-Butanone                 | 4.04 | 43  | 108092 | 42.811 ug/L # | 68     |
| 22) cis-1,2-Dichloroethene     | 3.94 | 96  | 54528  | 4.526 ug/L    | 99     |

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 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jul 03 01:08:40 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR061720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Jul 02 03:02:49 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 23) Bromochloromethane         | 4.27  | 128  | 25372    | 4.956  | ug/L   | 90       |
| 25) Chloroform                 | 4.40  | 83   | 105884   | 4.897  | ug/L   | 97       |
| 27) 1,2-Dichloroethane         | 5.16  | 62   | 68563    | 5.104  | ug/L   | 96       |
| 29) 1,1,1-Trichloroethane      | 4.63  | 97   | 101499   | 5.052  | ug/L   | 99       |
| 30) Cyclohexane                | 4.70  | 56   | 76978    | 4.026  | ug/L   | 96       |
| 31) Carbon tetrachloride       | 4.85  | 117  | 92230    | 5.087  | ug/L   | 98       |
| 33) Benzene                    | 5.12  | 78   | 208348   | 4.744  | ug/L   | 100      |
| 34) Trichloroethene            | 5.94  | 95   | 63215    | 4.916  | ug/L   | 97       |
| 35) Methylcyclohexane          | 6.15  | 83   | 79868    | 3.995  | ug/L   | 99       |
| 37) 1,2-Dichloropropane        | 6.20  | 63   | 50922    | 4.684  | ug/L   | 98       |
| 38) Bromodichloromethane       | 6.53  | 83   | 71633    | 4.851  | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene    | 7.05  | 75   | 70830    | 4.385  | ug/L   | 95       |
| 40) 4-Methyl-2-pentanone       | 7.25  | 43   | 282190   | 44.955 | ug/L   | 100      |
| 42) Toluene                    | 7.41  | 91   | 232702   | 4.557  | ug/L   | 98       |
| 43) 1,3,5-Trimethylbenzene     | 10.56 | 105  | 201599   | 4.415  | ug/L   | 98       |
| 44) 1,2,4-Trimethylbenzene     | 10.94 | 105  | 213711   | 4.596  | ug/L   | 100      |
| 46) trans-1,3-Dichloropropene  | 7.67  | 75   | 61677    | 4.414  | ug/L   | 98       |
| 47) 1,1,2-Trichloroethane      | 7.86  | 97   | 36072    | 4.678  | ug/L   | 98       |
| 49) Tetrachloroethene          | 7.99  | 164  | 47789    | 4.617  | ug/L   | 98       |
| 50) 2-Hexanone                 | 8.16  | 43   | 201754   | 45.164 | ug/L   | 100      |
| 51) Dibromochloromethane       | 8.27  | 129  | 47788    | 5.113  | ug/L   | 98       |
| 52) 1,2-Dibromoethane          | 8.38  | 107  | 35284    | 4.825  | ug/L # | 90       |
| 53) Chlorobenzene              | 8.90  | 112  | 147389   | 4.630  | ug/L   | 99       |
| 54) Ethylbenzene               | 9.03  | 91   | 247412   | 4.539  | ug/L   | 99       |
| 55) m,p-xylene                 | 9.16  | 106  | 93942    | 4.395  | ug/L   | 96       |
| 56) o-xylene                   | 9.56  | 106  | 91181    | 4.571  | ug/L   | 100      |
| 57) Styrene                    | 9.58  | 104  | 158053   | 4.782  | ug/L   | 97       |
| 58) Isopropylbenzene           | 9.95  | 105  | 247275   | 4.504  | ug/L   | 99       |
| 60) 1,1,2,2-Tetrachloroethane  | 10.26 | 83   | 40995    | 5.140  | ug/L   | 97       |
| 62) Bromoform                  | 9.75  | 173  | 25235    | 5.428  | ug/L   | 94       |
| 63) 1,3-Dichlorobenzene        | 11.20 | 146  | 121992   | 4.663  | ug/L   | 97       |
| 64) 1,4-Dichlorobenzene        | 11.29 | 146  | 120730   | 4.540  | ug/L   | 100      |
| 66) 1,2-Dichlorobenzene        | 11.67 | 146  | 115110   | 4.848  | ug/L   | 97       |
| 67) 1,2-Dibromo-3-chloropropan | 12.45 | 75   | 6537     | 4.977  | ug/L   | 96       |
| 68) 1,3,5-Trichlorobenzene     | 12.67 | 180  | 91791    | 4.367  | ug/L   | 99       |
| 69) 1,2,4-trichlorobenzene     | 13.29 | 180  | 71009    | 4.104  | ug/L   | 100      |
| 70) Naphthalene                | 13.53 | 128  | 104419   | 4.273  | ug/L   | 99       |
| 71) 1,2,3-Trichlorobenzene     | 13.77 | 180  | 66330    | 4.700  | ug/L   | 98       |

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

