

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080320\  
 Data File : VV017790.D  
 Acq On : 03 Aug 2020 12:00  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005002

Quant Time: Aug 04 02:07:56 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SFAMVTR072919WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Aug 04 01:48:46 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 164295   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 159792   | 5.00 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 88645    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 29241    | 3.15     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 63.00%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 27680    | 4.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 85.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 73972    | 4.39     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 87.80%  |
| 20) 2-Butanone-d5              | 3.94   | 46    | 77270    | 36.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 73.18%  |
| 24) Chloroform-d               | 4.37   | 84    | 83992    | 4.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 83.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.05   | 65    | 45997    | 4.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 84.60%  |
| 32) Benzene-d6                 | 5.07   | 84    | 134413   | 3.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 66.80%# |
| 36) 1,2-Dichloropropane-d6     | 6.09   | 67    | 36138    | 3.21     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 64.20%  |
| 41) Toluene-d8                 | 7.33   | 98    | 125459   | 3.21     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 64.20%# |
| 43) trans-1,3-Dichloropropene- | 7.64   | 79    | 18471    | 3.75     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 75.00%  |
| 46) 2-Hexanone-d5              | 8.11   | 63    | 56144    | 32.25    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 64.50%  |
| 56) 1,1,2,2-Tetrachloroethane- | 10.24  | 84    | 28398    | 3.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 67.20%  |
| 66) 1,2-Dichlorobenzene-d4     | 11.65  | 152   | 54761    | 3.47     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 69.40%# |

## Target Compounds

| Target Compounds               | R.T. | QIon | Response | Conc   | Units  | Ovalue |
|--------------------------------|------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane     | 1.14 | 85   | 79953    | 4.270  | ug/L   | 100    |
| 3) Chloromethane               | 1.25 | 50   | 52444    | 4.893  | ug/L   | 99     |
| 5) Vinyl chloride              | 1.32 | 62   | 54353    | 4.957  | ug/L   | 96     |
| 6) Bromomethane                | 1.53 | 94   | 35661    | 5.441  | ug/L   | 100    |
| 8) Chloroethane                | 1.59 | 64   | 33822    | 5.676  | ug/L   | 99     |
| 9) Trichlorofluoromethane      | 1.76 | 101  | 114776   | 6.119  | ug/L   | 97     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101  | 51198    | 6.283  | ug/L   | 99     |
| 12) 1,1-Dichloroethene         | 2.13 | 96   | 45937    | 6.086  | ug/L   | 94     |
| 13) Acetone                    | 2.23 | 43   | 72773    | 62.617 | ug/L   | 71     |
| 14) Carbon disulfide           | 2.31 | 76   | 132929   | 6.307  | ug/L   | 99     |
| 15) Methyl Acetate             | 2.46 | 43   | 14323    | 5.997  | ug/L   | 93     |
| 16) Methylene chloride         | 2.52 | 84   | 52846    | 6.827  | ug/L   | 99     |
| 17) Methyl tert-butyl Ether    | 2.79 | 73   | 114887   | 4.841  | ug/L   | 98     |
| 18) trans-1,2-Dichloroethene   | 2.77 | 96   | 51714    | 4.755  | ug/L   | 97     |
| 19) 1,1-Dichloroethane         | 3.21 | 63   | 93429    | 4.804  | ug/L   | 96     |
| 21) 2-Butanone                 | 4.03 | 43   | 98250    | 42.846 | ug/L # | 66     |
| 22) cis-1,2-Dichloroethene     | 3.94 | 96   | 55325    | 4.778  | ug/L   | 96     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080320\  
 Data File : VV017790.D  
 Acq On : 03 Aug 2020 12:00  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD005002

Quant Time: Aug 04 02:07:56 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SFAMVTR072919WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Aug 04 01:48:46 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 23) Bromochloromethane         | 4.27  | 128  | 25884    | 5.096  | ug/L   | 83       |
| 25) Chloroform                 | 4.40  | 83   | 110065   | 4.513  | ug/L   | 99       |
| 27) 1,2-Dichloroethane         | 5.15  | 62   | 70288    | 5.223  | ug/L   | 100      |
| 29) 1,1,1-Trichloroethane      | 4.63  | 97   | 111368   | 5.638  | ug/L   | 98       |
| 30) Cyclohexane                | 4.69  | 56   | 71051    | 4.205  | ug/L   | 96       |
| 31) Carbon tetrachloride       | 4.85  | 117  | 100537   | 5.657  | ug/L   | 99       |
| 33) Benzene                    | 5.12  | 78   | 203093   | 4.679  | ug/L   | 100      |
| 34) Trichloroethene            | 5.93  | 95   | 59428    | 4.801  | ug/L   | 99       |
| 35) Methylcyclohexane          | 6.15  | 83   | 82246    | 4.241  | ug/L   | 98       |
| 37) 1,2-Dichloropropane        | 6.19  | 63   | 46733    | 4.654  | ug/L # | 97       |
| 38) Bromodichloromethane       | 6.53  | 83   | 75725    | 5.341  | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene    | 7.04  | 75   | 73896    | 4.693  | ug/L   | 96       |
| 40) 4-Methyl-2-pentanone       | 7.25  | 43   | 234201   | 41.345 | ug/L   | 99       |
| 42) Toluene                    | 7.41  | 91   | 230395   | 4.774  | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene  | 7.67  | 75   | 66417    | 5.217  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane      | 7.86  | 97   | 34746    | 4.537  | ug/L   | 98       |
| 47) Tetrachloroethene          | 7.99  | 164  | 53648    | 4.959  | ug/L   | 96       |
| 48) 2-Hexanone                 | 8.16  | 43   | 169295   | 42.288 | ug/L   | 98       |
| 49) Dibromochloromethane       | 8.26  | 129  | 50730    | 5.403  | ug/L   | 95       |
| 50) 1,2-Dibromoethane          | 8.37  | 107  | 31990    | 4.469  | ug/L   | 96       |
| 51) Chlorobenzene              | 8.90  | 112  | 153067   | 4.744  | ug/L   | 99       |
| 52) Ethylbenzene               | 9.03  | 91   | 260239   | 4.726  | ug/L   | 98       |
| 53) m,p-xylene                 | 9.16  | 106  | 102673   | 4.898  | ug/L   | 95       |
| 54) o-xylene                   | 9.56  | 106  | 96805    | 4.879  | ug/L   | 92       |
| 55) Styrene                    | 9.58  | 104  | 166157   | 4.970  | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane  | 10.26 | 83   | 34964    | 4.254  | ug/L # | 97       |
| 59) Bromoform                  | 9.75  | 173  | 28647    | 5.346  | ug/L   | 100      |
| 60) Isopropylbenzene           | 9.95  | 105  | 275341   | 4.862  | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane     | 10.30 | 75   | 28634    | 4.432  | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene     | 10.56 | 105  | 233373   | 4.991  | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene     | 10.94 | 105  | 236828   | 5.097  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene        | 11.20 | 146  | 137072   | 4.857  | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene        | 11.29 | 146  | 137338   | 4.775  | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene        | 11.67 | 146  | 124149   | 4.841  | ug/L   | 97       |
| 68) 1,2-Dibromo-3-chloropropan | 12.45 | 75   | 7158     | 5.373  | ug/L   | 97       |
| 69) 1,3,5-Trichlorobenzene     | 12.67 | 180  | 110595   | 4.740  | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene     | 13.29 | 180  | 87755    | 4.753  | ug/L   | 98       |
| 71) Naphthalene                | 13.53 | 128  | 115729   | 4.517  | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene     | 13.77 | 180  | 78173    | 4.777  | ug/L   | 97       |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV080320\  
Data File : VV017790.D  
Acq On : 03 Aug 2020 12:00  
Operator : SY/MD  
Sample : VSTDCCC005  
Misc : 25.0mL/MSVOA V/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD005002

Quant Time: Aug 04 02:07:56 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SFAMVTR072919WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Aug 04 01:48:46 2020  
Response via : Initial Calibration

