

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072120\  
 Data File : VX017462.D  
 Acq On : 21 Jul 2020 18:22  
 Operator : JC/SP  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTD00561

Quant Time: Jul 22 06:23:57 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\SOMXTR072120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Jul 22 06:14:00 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.83  | 114  | 373153   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 10.10 | 117  | 365088   | 5.00 | ug/L  | 0.00     |
| 61) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 188472   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39   | 65    | 127845   | 4.40     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 88.00%  |
| 7) Chloroethane-d5             | 1.69   | 69    | 91715    | 4.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 91.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.34   | 63    | 261321   | 4.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 94.00%  |
| 20) 2-Butanone-d5              | 4.53   | 46    | 265878   | 49.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 98.08%  |
| 24) Chloroform-d               | 5.15   | 84    | 238913   | 4.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.60%  |
| 26) 1,2-Dichloroethane-d4      | 6.04   | 65    | 121402   | 4.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.40%  |
| 32) Benzene-d6                 | 6.05   | 84    | 448509   | 5.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.20% |
| 36) 1,2-Dichloropropane-d6     | 7.37   | 67    | 132049   | 5.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 100.20% |
| 41) Toluene-d8                 | 8.70   | 98    | 437014   | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 101.00% |
| 45) trans-1,3-Dichloropropene- | 8.99   | 79    | 59030    | 5.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 102.00% |
| 48) 2-Hexanone-d5              | 9.43   | 63    | 209027   | 51.01    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 102.02% |
| 59) 1,1,2,2-Tetrachloroethane- | 11.23  | 84    | 99437    | 4.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 96.80%  |
| 65) 1,2-Dichlorobenzene-d4     | 12.36  | 152   | 156578   | 4.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 98.20%  |

## Target Compounds

|                                |      |     |        |        | Ovalue    |
|--------------------------------|------|-----|--------|--------|-----------|
| 2) Dichlorodifluoromethane     | 1.18 | 85  | 228697 | 5.575  | ug/L 100  |
| 3) Chloromethane               | 1.31 | 50  | 182206 | 4.775  | ug/L 98   |
| 5) Vinyl chloride              | 1.39 | 62  | 173724 | 4.773  | ug/L 100  |
| 6) Bromomethane                | 1.63 | 94  | 100794 | 5.099  | ug/L 94   |
| 8) Chloroethane                | 1.71 | 64  | 94581  | 4.735  | ug/L 97   |
| 9) Trichlorofluoromethane      | 1.92 | 101 | 270836 | 5.181  | ug/L 99   |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.37 | 101 | 145408 | 5.126  | ug/L 98   |
| 12) 1,1-Dichloroethene         | 2.36 | 96  | 130429 | 4.940  | ug/L 94   |
| 13) Acetone                    | 2.42 | 43  | 200725 | 45.882 | ug/L 99   |
| 14) Carbon disulfide           | 2.55 | 76  | 434003 | 4.845  | ug/L 99   |
| 15) Methyl Acetate             | 2.75 | 43  | 53258  | 4.182  | ug/L 95   |
| 16) Methylene chloride         | 2.84 | 84  | 141602 | 3.903  | ug/L 95   |
| 17) Methyl tert-butyl Ether    | 3.17 | 73  | 307319 | 4.887  | ug/L 99   |
| 18) trans-1,2-Dichloroethene   | 3.14 | 96  | 138865 | 4.940  | ug/L 96   |
| 19) 1,1-Dichloroethane         | 3.67 | 63  | 258518 | 5.223  | ug/L 97   |
| 21) 2-Butanone                 | 4.64 | 43  | 339332 | 48.692 | ug/L 100  |
| 22) cis-1,2-Dichloroethene     | 4.56 | 96  | 145864 | 5.251  | ug/L # 93 |

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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| -----                          |       |      |          |        |        |          |
| 23) Bromochloromethane         | 4.98  | 128  | 67757    | 5.059  | ug/L   | 90       |
| 25) Chloroform                 | 5.18  | 83   | 273216   | 5.256  | ug/L   | 99       |
| 27) 1,2-Dichloroethane         | 6.16  | 62   | 169932   | 5.082  | ug/L # | 93       |
| 29) 1,1,1-Trichloroethane      | 5.46  | 97   | 254632   | 5.192  | ug/L   | 98       |
| 30) Cyclohexane                | 5.54  | 56   | 223867   | 5.648  | ug/L   | 98       |
| 31) Carbon tetrachloride       | 5.75  | 117  | 234720   | 5.312  | ug/L   | 97       |
| 33) Benzene                    | 6.12  | 78   | 561404   | 5.222  | ug/L   | 100      |
| 34) Trichloroethene            | 7.19  | 95   | 156068   | 5.380  | ug/L   | 98       |
| 35) Methylcyclohexane          | 7.44  | 83   | 226394   | 5.768  | ug/L   | 98       |
| 37) 1,2-Dichloropropane        | 7.49  | 63   | 140490   | 5.197  | ug/L   | 100      |
| 38) Bromodichloromethane       | 7.87  | 83   | 191864   | 5.299  | ug/L   | 98       |
| 39) cis-1,3-Dichloropropene    | 8.42  | 75   | 203236   | 5.205  | ug/L   | 95       |
| 40) 4-Methyl-2-pentanone       | 8.62  | 43   | 829420   | 52.468 | ug/L # | 96       |
| 42) Toluene                    | 8.76  | 91   | 612747   | 5.684  | ug/L   | 99       |
| 43) 1,3,5-Trimethylbenzene     | 11.49 | 105  | 549289   | 5.469  | ug/L   | 98       |
| 44) 1,2,4-Trimethylbenzene     | 11.79 | 105  | 555610   | 5.587  | ug/L   | 99       |
| 46) trans-1,3-Dichloropropene  | 9.02  | 75   | 183103   | 5.445  | ug/L   | 100      |
| 47) 1,1,2-Trichloroethane      | 9.20  | 97   | 99893    | 5.401  | ug/L   | 91       |
| 49) Tetrachloroethene          | 9.32  | 164  | 126209   | 5.355  | ug/L   | 94       |
| 50) 2-Hexanone                 | 9.47  | 43   | 594666   | 51.535 | ug/L # | 88       |
| 51) Dibromochloromethane       | 9.57  | 129  | 130653   | 5.138  | ug/L   | 96       |
| 52) 1,2-Dibromoethane          | 9.65  | 107  | 96658    | 5.273  | ug/L   | 96       |
| 53) Chlorobenzene              | 10.12 | 112  | 392270   | 5.347  | ug/L   | 100      |
| 54) Ethylbenzene               | 10.24 | 91   | 640151   | 5.475  | ug/L   | 100      |
| 55) m,p-xylene                 | 10.34 | 106  | 257918   | 5.525  | ug/L   | 97       |
| 56) o-xylene                   | 10.68 | 106  | 249751   | 5.516  | ug/L   | 97       |
| 57) Styrene                    | 10.70 | 104  | 418209   | 5.545  | ug/L   | 97       |
| 58) Isopropylbenzene           | 11.00 | 105  | 664218   | 5.676  | ug/L   | 99       |
| 60) 1,1,2,2-Tetrachloroethane  | 11.25 | 83   | 112715   | 5.121  | ug/L   | 98       |
| 62) Bromoform                  | 10.84 | 173  | 78794    | 5.219  | ug/L   | 99       |
| 63) 1,3-Dichlorobenzene        | 12.01 | 146  | 329188   | 5.426  | ug/L   | 98       |
| 64) 1,4-Dichlorobenzene        | 12.08 | 146  | 324919   | 5.440  | ug/L   | 96       |
| 66) 1,2-Dichlorobenzene        | 12.38 | 146  | 295900   | 5.266  | ug/L   | 98       |
| 67) 1,2-Dibromo-3-chloropropan | 12.98 | 75   | 21528    | 4.352  | ug/L   | 96       |
| 68) 1,3,5-Trichlorobenzene     | 13.15 | 180  | 280736   | 5.493  | ug/L   | 99       |
| 69) 1,2,4-trichlorobenzene     | 13.63 | 180  | 199334   | 5.338  | ug/L   | 99       |
| 70) Naphthalene                | 13.82 | 128  | 338572   | 5.167  | ug/L   | 99       |
| 71) 1,2,3-Trichlorobenzene     | 14.00 | 180  | 181829   | 5.267  | ug/L   | 98       |
| -----                          |       |      |          |        |        |          |

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

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