

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU101720\  
 Data File : VU040768.D  
 Acq On : 17 Oct 2020 16:26  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD00515

Quant Time: Oct 19 03:02:02 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100820WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Oct 19 01:19:29 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 130958   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 132675   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 69165    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 55078    | 5.07     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 101.40% |
| 7) Chloroethane-d5             | 1.92   | 69    | 44520    | 5.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 106.40% |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 110002   | 5.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 103.80% |
| 20) 2-Butanone-d5              | 4.66   | 46    | 175253   | 50.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 100.94% |
| 24) Chloroform-d               | 5.08   | 84    | 102866   | 5.40     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 108.00% |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 59984    | 5.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 103.40% |
| 32) Benzene-d6                 | 5.74   | 84    | 189951   | 5.31     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 106.20% |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 62464    | 5.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 105.20% |
| 41) Toluene-d8                 | 7.90   | 98    | 174857   | 5.46     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 109.20% |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 25589    | 5.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 101.80% |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 129815   | 50.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 100.12% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.75  | 84    | 53693    | 5.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 100.80% |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 64313    | 5.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 100.20% |

## Target Compounds

|                                |      |     |        |             | Ovalue |
|--------------------------------|------|-----|--------|-------------|--------|
| 2) Dichlorodifluoromethane     | 1.39 | 85  | 52824  | 4.452 ug/L  | 99     |
| 3) Chloromethane               | 1.53 | 50  | 45526  | 4.103 ug/L  | 96     |
| 5) Vinyl chloride              | 1.61 | 62  | 51569  | 4.413 ug/L  | 85     |
| 6) Bromomethane                | 1.87 | 94  | 23965  | 3.777 ug/L  | 97     |
| 8) Chloroethane                | 1.94 | 64  | 34952  | 4.698 ug/L  | 95     |
| 9) Trichlorofluoromethane      | 2.15 | 101 | 81711  | 4.869 ug/L  | 100    |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59 | 101 | 52641  | 4.832 ug/L  | 99     |
| 12) 1,1-Dichloroethene         | 2.59 | 96  | 46421  | 4.968 ug/L  | 91     |
| 13) Acetone                    | 2.67 | 43  | 122048 | 45.343 ug/L | 99     |
| 14) Carbon disulfide           | 2.81 | 76  | 104591 | 3.999 ug/L  | 99     |
| 15) Methyl Acetate             | 2.97 | 43  | 28909  | 4.703 ug/L  | 98     |
| 16) Methylene chloride         | 3.06 | 84  | 55404  | 4.618 ug/L  | 99     |
| 17) Methyl tert-butyl Ether    | 3.38 | 73  | 131121 | 4.963 ug/L  | 99     |
| 18) trans-1,2-Dichloroethene   | 3.37 | 96  | 45602  | 4.662 ug/L  | 99     |
| 19) 1,1-Dichloroethane         | 3.89 | 63  | 101799 | 5.032 ug/L  | 97     |
| 21) 2-Butanone                 | 4.74 | 43  | 201445 | 48.004 ug/L | 97     |
| 22) cis-1,2-Dichloroethene     | 4.68 | 96  | 53259  | 5.049 ug/L  | 98     |

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 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD00515

Quant Time: Oct 19 03:02:02 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100820WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Oct 19 01:19:29 2020  
 Response via : Initial Calibration

| Internal Standards              | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|---------------------------------|-------|------|----------|--------|-------|----------|
| 23) Bromochloromethane          | 4.99  | 128  | 25795    | 4.922  | ug/L  | 96       |
| 25) Chloroform                  | 5.11  | 83   | 107891   | 5.224  | ug/L  | 99       |
| 27) 1,2-Dichloroethane          | 5.81  | 62   | 74640    | 5.106  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane       | 5.33  | 97   | 90055    | 5.051  | ug/L  | 99       |
| 30) Cyclohexane                 | 5.40  | 56   | 73795    | 4.492  | ug/L  | 99       |
| 31) Carbon tetrachloride        | 5.54  | 117  | 76140    | 4.990  | ug/L  | 98       |
| 33) Benzene                     | 5.79  | 78   | 208061   | 4.881  | ug/L  | 100      |
| 34) Trichloroethene             | 6.55  | 95   | 53854    | 4.874  | ug/L  | 95       |
| 35) Methylcyclohexane           | 6.77  | 83   | 69986    | 4.467  | ug/L  | 99       |
| 37) 1,2-Dichloropropane         | 6.80  | 63   | 60927    | 5.130  | ug/L  | 100      |
| 38) Bromodichloromethane        | 7.11  | 83   | 78688    | 5.183  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene     | 7.61  | 75   | 80357    | 4.952  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone        | 7.80  | 43   | 472228   | 49.874 | ug/L  | 100      |
| 42) Toluene                     | 7.97  | 91   | 219864   | 5.062  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene   | 8.21  | 75   | 76683    | 5.133  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane       | 8.40  | 97   | 44577    | 5.012  | ug/L  | 99       |
| 47) Tetrachloroethene           | 8.56  | 164  | 39286    | 4.984  | ug/L  | 96       |
| 48) 2-Hexanone                  | 8.69  | 43   | 348028   | 49.370 | ug/L  | 98       |
| 49) Dibromochloromethane        | 8.81  | 129  | 53707    | 5.248  | ug/L  | 97       |
| 50) 1,2-Dibromoethane           | 8.93  | 107  | 42131    | 4.993  | ug/L  | 97       |
| 51) Chlorobenzene               | 9.45  | 112  | 142955   | 4.997  | ug/L  | 98       |
| 52) Ethylbenzene                | 9.57  | 91   | 239227   | 5.089  | ug/L  | 99       |
| 53) m,p-Xylene                  | 9.69  | 106  | 88531    | 5.167  | ug/L  | 98       |
| 54) o-Xylene                    | 10.10 | 106  | 85023    | 5.160  | ug/L  | 97       |
| 55) Styrene                     | 10.11 | 104  | 156412   | 5.466  | ug/L  | 99       |
| 56) Isopropylbenzene            | 10.48 | 105  | 234165   | 5.279  | ug/L  | 100      |
| 58) 1,1,1,2,2-Tetrachloroethane | 10.78 | 83   | 58350    | 4.996  | ug/L  | 95       |
| 59) 1,2,3-Trichloropropane      | 10.82 | 75   | 43481    | 4.984  | ug/L  | 99       |
| 61) Bromoform                   | 10.29 | 173  | 30870    | 5.207  | ug/L  | 98       |
| 62) 1,3-Dichlorobenzene         | 11.74 | 146  | 118047   | 5.215  | ug/L  | 99       |
| 63) 1,4-Dichlorobenzene         | 11.83 | 146  | 119900   | 5.137  | ug/L  | 99       |
| 65) 1,2-Dichlorobenzene         | 12.20 | 146  | 112821   | 5.098  | ug/L  | 99       |
| 66) 1,2-Dibromo-3-chloropropan  | 12.99 | 75   | 9678     | 4.994  | ug/L  | 98       |
| 67) 1,3,5-Trichlorobenzene      | 13.21 | 180  | 81364    | 5.065  | ug/L  | 99       |
| 68) 1,2,4-trichlorobenzene      | 13.83 | 180  | 68088    | 5.486  | ug/L  | 95       |
| 69) Naphthalene                 | 14.08 | 128  | 108731   | 5.356  | ug/L  | 99       |
| 70) 1,2,3-Trichlorobenzene      | 14.32 | 180  | 63196    | 5.484  | ug/L  | 99       |

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

