

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082818\  
 Data File : VU026408.D  
 Acq On : 28 Aug 2018 19:19  
 Operator : MD/SY  
 Sample : J4633-01  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DB3H1

Quant Time: Aug 29 01:54:46 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR082818WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Aug 29 00:08:04 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 64177    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 63193    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 32711    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 38361    | 4.48     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 89.60% |
| 7) Chloroethane-d5             | 1.68   | 69    | 30260    | 4.71     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 94.20% |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 70903    | 4.90     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 98.00% |
| 20) 2-Butanone-d5              | 4.20   | 46    | 72611    | 45.93    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 91.86% |
| 24) Chloroform-d               | 4.65   | 84    | 44851    | 4.57     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 91.40% |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 28228    | 4.58     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.60% |
| 32) Benzene-d6                 | 5.34   | 84    | 102029   | 4.72     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.40% |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 34196    | 4.77     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 95.40% |
| 41) Toluene-d8                 | 7.57   | 98    | 90996    | 4.49     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.80% |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 12432    | 4.76     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 95.20% |
| 46) 2-Hexanone-d5              | 8.32   | 63    | 57369    | 49.50    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 99.00% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44  | 84    | 26099    | 4.70     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 94.00% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 34566    | 4.53     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 90.60% |

## Target Compounds

| Target Compounds               | R.T. | QIon | Response | Conc | Units | Ovalue |
|--------------------------------|------|------|----------|------|-------|--------|
| 2) Dichlorodifluoromethane     | 1.20 | 85   | 11476    | 1.86 | ug/L  | 97     |
| 3) Chloromethane               | 1.33 | 50   | 44248    | 5.43 | ug/L  | 99     |
| 5) Vinyl chloride              | 1.40 | 62   | 34372    | 4.19 | ug/L  | 100    |
| 6) Bromomethane                | 1.63 | 94   | 19022    | 4.82 | ug/L  | 98     |
| 8) Chloroethane                | 1.70 | 64   | 20370    | 4.22 | ug/L  | 97     |
| 9) Trichlorofluoromethane      | 1.89 | 101  | 82362    | 8.43 | ug/L  | 98     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.29 | 101  | 22734    | 3.96 | ug/L  | 97     |
| 12) 1,1-Dichloroethene         | 2.28 | 96   | 28988    | 5.51 | ug/L  | 92     |
| 16) Methylene chloride         | 2.70 | 84   | 20186    | 3.07 | ug/L  | 97     |
| 17) Methyl tert-butyl Ether    | 3.01 | 73   | 71471    | 5.42 | ug/L  | 99     |
| 18) trans-1,2-Dichloroethene   | 2.98 | 96   | 35308    | 6.15 | ug/L  | 93     |
| 22) cis-1,2-Dichloroethene     | 4.22 | 96   | 33287    | 5.72 | ug/L  | 99     |
| 23) Bromochloromethane         | 4.55 | 128  | 4312     | 1.83 | ug/L  | 93     |
| 25) Chloroform                 | 4.68 | 83   | 53708    | 4.69 | ug/L  | 97     |
| 27) 1,2-Dichloroethane         | 5.41 | 62   | 30366    | 4.76 | ug/L  | 100    |
| 29) 1,1,1-Trichloroethane      | 4.91 | 97   | 39230    | 4.94 | ug/L  | 98     |
| 31) Carbon tetrachloride       | 5.13 | 117  | 35475    | 4.96 | ug/L  | 100    |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082818\  
 Data File : VU026408.D  
 Acq On : 28 Aug 2018 19:19  
 Operator : MD/SY  
 Sample : J4633-01  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DB3H1

Quant Time: Aug 29 01:54:46 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR082818WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Aug 29 00:08:04 2018  
 Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|-------|------|----------|-------|-------|----------|
| 34) Trichloroethene           | 6.19  | 95   | 41118    | 7.26  | ug/L  | 96       |
| 37) 1,2-Dichloropropane       | 6.44  | 63   | 27021    | 4.65  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.76  | 83   | 13712    | 2.01  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.27  | 75   | 12450    | 1.69  | ug/L  | 97       |
| 42) Toluene                   | 7.64  | 91   | 62636    | 2.93  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 8.07  | 97   | 29718    | 8.15  | ug/L  | 98       |
| 47) Tetrachloroethene         | 8.23  | 164  | 20253    | 4.75  | ug/L  | 97       |
| 49) Dibromochloromethane      | 8.48  | 129  | 26516    | 5.96  | ug/L  | 97       |
| 52) Ethylbenzene              | 9.25  | 91   | 232643   | 10.27 | ug/L  | 100      |
| 54) o-xylene                  | 9.78  | 106  | 24045    | 3.05  | ug/L  | 99       |
| 55) Styrene                   | 9.80  | 104  | 42028    | 3.04  | ug/L  | 98       |
| 56) Isopropylbenzene          | 10.17 | 105  | 155128   | 7.40  | ug/L  | 99       |
| 58) 1,1,2,2-Tetrachloroethane | 10.46 | 83   | 22730    | 4.75  | ug/L  | 95       |
| 62) 1,3-Dichlorobenzene       | 11.42 | 146  | 22337    | 2.12  | ug/L  | 98       |
| 65) 1,2-Dichlorobenzene       | 11.88 | 146  | 21433    | 2.06  | ug/L  | 98       |

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

