

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU111618\  
 Data File : VU028208.D  
 Acq On : 17 Nov 2018 01:42  
 Operator : MD/SY  
 Sample : J5986-05  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H0FG9

Quant Time: Nov 17 04:06:12 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR111418WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Nov 17 03:46:40 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 155654   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 150347   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 65805    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 66105    | 5.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 102.40% |
| 7) Chloroethane-d5             | 1.68   | 69    | 50517    | 4.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 98.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.28   | 63    | 92287    | 3.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 76.60%  |
| 20) 2-Butanone-d5              | 4.20   | 46    | 223716   | 59.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 119.44% |
| 24) Chloroform-d               | 4.65   | 84    | 103872   | 5.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 101.20% |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 64033    | 5.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 111.60% |
| 32) Benzene-d6                 | 5.34   | 84    | 215855   | 5.00     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.00% |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 79225    | 5.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 102.60% |
| 41) Toluene-d8                 | 7.57   | 98    | 186709   | 4.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 93.00%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 23937    | 4.35     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 87.00%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 159489   | 50.70    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 101.40% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 56502    | 5.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 103.60% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 64265    | 5.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 104.60% |

## Target Compounds

| Target Compounds             | R.T. | QIon | Response | Conc    | Units  | Qvalue |
|------------------------------|------|------|----------|---------|--------|--------|
| 5) Vinyl chloride            | 1.40 | 62   | 843051   | 50.566  | ug/L   | 98     |
| 17) Methyl tert-butyl Ether  | 3.01 | 73   | 42714    | 1.476   | ug/L # | 89     |
| 18) trans-1,2-Dichloroethene | 2.99 | 96   | 10743    | 0.976   | ug/L   | 92     |
| 19) 1,1-Dichloroethane       | 3.45 | 63   | 11678    | 0.505   | ug/L   | 97     |
| 22) cis-1,2-Dichloroethene   | 4.23 | 96   | 2315422  | 190.856 | ug/L   | 96     |
| 33) Benzene                  | 5.39 | 78   | 12788    | 0.252   | ug/L   | 100    |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_U\DATA\VU111618\  
Data File : VU028208.D  
Acq On : 17 Nov 2018 01:42  
Operator : MD/SY  
Sample : J5986-05  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
H0FG9

Quant Time: Nov 17 04:06:12 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR111418WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Nov 17 03:46:40 2018  
Response via : Initial Calibration

