

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041819\  
 Data File : VU031290.D  
 Acq On : 18 Apr 2019 05:12  
 Operator : JC/SP  
 Sample : K2452-08  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 YAN00

Quant Time: Apr 27 06:43:51 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR041819WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Apr 18 08:39:25 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 216398   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 210396   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 84219    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 106041   | 5.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 118.80% |
| 7) Chloroethane-d5             | 1.68   | 69    | 87694    | 5.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 118.60% |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 161625   | 4.39     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 87.80%  |
| 20) 2-Butanone-d5              | 4.22   | 46    | 244223   | 59.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 118.20% |
| 24) Chloroform-d               | 4.64   | 84    | 144553   | 5.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 111.60% |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 80066    | 6.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 120.80% |
| 32) Benzene-d6                 | 5.33   | 84    | 279984   | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.32   | 67    | 93277    | 5.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 103.80% |
| 41) Toluene-d8                 | 7.56   | 98    | 236410   | 4.46     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.20%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 33948    | 4.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 93.60%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 184578   | 51.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 103.76% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 77306    | 5.49     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 109.80% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 87250    | 5.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 110.60% |

## Target Compounds

|                            |      |     |       |            | Ovalue |
|----------------------------|------|-----|-------|------------|--------|
| 2) Dichlorodifluoromethane | 1.20 | 85  | 56419 | 3.140 ug/L | 99     |
| 9) Trichlorofluoromethane  | 1.88 | 101 | 39939 | 1.364 ug/L | 98     |
| 19) 1,1-Dichloroethane     | 3.44 | 63  | 6946  | 0.255 ug/L | 96     |
| 34) Trichloroethene        | 6.18 | 95  | 15196 | 0.881 ug/L | 93     |
| 47) Tetrachloroethene      | 8.22 | 164 | 77030 | 5.911 ug/L | 99     |

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

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