

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052219\  
 Data File : VU032252.D  
 Acq On : 23 May 2019 04:18  
 Operator : JC/SP  
 Sample : K3001-07  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 E3YF2

Quant Time: May 23 07:44:29 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR052219WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu May 23 07:22:00 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 367849   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 378653   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 152325   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 111691   | 5.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 108.20% |
| 7) Chloroethane-d5             | 1.67   | 69    | 97112    | 5.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 100.80% |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 188155   | 4.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 98.80%  |
| 20) 2-Butanone-d5              | 4.19   | 46    | 236199   | 40.53    | ug/L | -0.02   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 81.06%  |
| 24) Chloroform-d               | 4.64   | 84    | 215635   | 4.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 81.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 108866   | 3.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 78.00%  |
| 32) Benzene-d6                 | 5.33   | 84    | 442090   | 4.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 82.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.32   | 67    | 132480   | 3.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 76.00%  |
| 41) Toluene-d8                 | 7.56   | 98    | 381266   | 3.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 73.00%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 42574    | 3.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 63.40%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 201442   | 39.90    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 79.80%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 105993   | 3.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 61.20%# |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 135867   | 3.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 64.80%# |

## Target Compounds

| Target Compounds             | R.T. | QIon | Response | Conc   | Units  | Ovalue |
|------------------------------|------|------|----------|--------|--------|--------|
| 9) Trichlorofluoromethane    | 1.88 | 101  | 6427     | 0.311  | ug/L   | 98     |
| 12) 1,1-Dichloroethene       | 2.28 | 96   | 40646    | 3.105  | ug/L # | 42     |
| 13) Acetone                  | 2.32 | 43   | 12385    | 6.860  | ug/L   | 97     |
| 18) trans-1,2-Dichloroethene | 2.97 | 96   | 6957     | 0.495  | ug/L   | 92     |
| 19) 1,1-Dichloroethane       | 3.44 | 63   | 445685   | 20.537 | ug/L   | 97     |
| 22) cis-1,2-Dichloroethene   | 4.22 | 96   | 57210    | 4.171  | ug/L   | 96     |
| 29) 1,1,1-Trichloroethane    | 4.91 | 97   | 347705   | 17.692 | ug/L   | 98     |
| 34) Trichloroethene          | 6.18 | 95   | 44939    | 3.269  | ug/L   | 96     |
| 47) Tetrachloroethene        | 8.22 | 164  | 11023    | 0.971  | ug/L   | 84     |
| 53) m,p-Xylene               | 9.37 | 106  | 10364    | 0.509  | ug/L   | 77     |
| 54) o-Xylene                 | 9.78 | 106  | 5373     | 0.264  | ug/L   | 92     |

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

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