

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051820\  
 Data File : VU038215.D  
 Acq On : 18 May 2020 13:16  
 Operator : JC/MD  
 Sample : L2657-01DL 5X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFST4DL

Quant Time: May 18 22:55:08 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR050720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon May 18 22:23:30 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 381706   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 374275   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 179127   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 119071   | 3.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 68.20%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 106068   | 3.51     | ug/L | -0.01   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 70.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 147174   | 2.52     | ug/L | -0.01   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 50.40%# |
| 20) 2-Butanone-d5              | 4.67   | 46    | 446190   | 51.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 103.60% |
| 24) Chloroform-d               | 5.10   | 84    | 209014   | 3.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 78.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 131994   | 4.35     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.00%  |
| 32) Benzene-d6                 | 5.76   | 84    | 429949   | 3.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 76.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 150638   | 4.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 83.20%  |
| 41) Toluene-d8                 | 7.92   | 98    | 370938   | 3.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 73.60%  |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 57078    | 3.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 78.80%  |
| 46) 2-Hexanone-d5              | 8.66   | 63    | 347799   | 50.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 101.58% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 131305   | 4.60     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 92.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 148217   | 4.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 85.00%  |

## Target Compounds

|                             |      |     |        |              | Ovalue |
|-----------------------------|------|-----|--------|--------------|--------|
| 2) Dichlorodifluoromethane  | 1.39 | 85  | 6511   | 0.187 ug/L   | 99     |
| 9) Trichlorofluoromethane   | 2.14 | 101 | 44284  | 1.051 ug/L   | 97     |
| 12) 1,1-Dichloroethene      | 2.59 | 96  | 5204   | 0.196 ug/L # | 1      |
| 17) Methyl tert-butyl Ether | 3.40 | 73  | 9166   | 0.125 ug/L   | 94     |
| 22) cis-1,2-Dichloroethene  | 4.70 | 96  | 24000  | 0.770 ug/L   | 99     |
| 34) Trichloroethene         | 6.57 | 95  | 221432 | 7.387 ug/L   | 99     |
| 47) Tetrachloroethene       | 8.57 | 164 | 156504 | 7.464 ug/L   | 98     |

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

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