

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040920\  
 Data File : VU037661.D  
 Acq On : 10 Apr 2020 09:59  
 Operator : JC/MD  
 Sample : L2189-01 40X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFS79

Quant Time: Apr 10 23:58:08 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM040920WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 10 23:26:55 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 497802   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 478875   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 231735   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 196271   | 45.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 90.20%  |
| 7) Chloroethane-d5             | 1.93    | 69    | 164188   | 46.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 93.38%  |
| 11) 1,1-Dichloroethene-d2      | 2.59    | 63    | 252354   | 35.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 71.16%  |
| 21) 2-Butanone-d5              | 4.66    | 46    | 348052   | 98.71    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 98.71%  |
| 24) Chloroform-d               | 5.10    | 84    | 314068   | 48.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.04%  |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 224973   | 50.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.28% |
| 32) Benzene-d6                 | 5.76    | 84    | 682625   | 48.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 96.90%  |
| 36) 1,2-Dichloropropane-d6     | 6.72    | 67    | 230082   | 49.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 98.12%  |
| 41) Toluene-d8                 | 7.92    | 98    | 611657   | 46.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.66%  |
| 43) trans-1,3-Dichloropropene- | 8.20    | 79    | 118706   | 46.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 93.64%  |
| 47) 2-Hexanone-d5              | 8.66    | 63    | 254751   | 94.88    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 94.88%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77   | 84    | 316861   | 47.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 95.66%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.21   | 152   | 226952   | 47.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 94.12%  |

| Target Compounds          |      |    |        |             | Ovalue |
|---------------------------|------|----|--------|-------------|--------|
| 19) 1,1-Dichloroethane    | 3.91 | 63 | 76360  | 11.409 ug/L | 99     |
| 30) 1,1,1-Trichloroethane | 5.35 | 97 | 199465 | 36.748 ug/L | 99     |

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

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