

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071720\  
 Data File : VU039550.D  
 Acq On : 17 Jul 2020 14:30  
 Operator : SY/MD  
 Sample : L3292-11  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFT87

Quant Time: Jul 18 00:38:24 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR070720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jul 17 23:38:36 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.27  | 114  | 75863    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 75431    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 33633    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 20959    | 4.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 95.40%  |
| 7) Chloroethane-d5             | 1.92   | 69    | 24765    | 5.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 110.20% |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 33719    | 3.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 78.00%  |
| 20) 2-Butanone-d5              | 4.65   | 46    | 100330   | 49.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 99.74%  |
| 24) Chloroform-d               | 5.09   | 84    | 48553    | 5.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 103.80% |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 32031    | 5.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 109.00% |
| 32) Benzene-d6                 | 5.75   | 84    | 96046    | 5.29     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 105.80% |
| 36) 1,2-Dichloropropane-d6     | 6.71   | 67    | 33358    | 5.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 104.60% |
| 41) Toluene-d8                 | 7.91   | 98    | 85097    | 5.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 108.20% |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 13005    | 4.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 92.40%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 72123    | 43.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 86.32%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.76  | 84    | 28835    | 4.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 91.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 34455    | 5.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 114.80% |

## Target Compounds

|                            |      |     |      |              | Ovalue |
|----------------------------|------|-----|------|--------------|--------|
| 2) Dichlorodifluoromethane | 1.39 | 85  | 1072 | 0.233 ug/L   | 100    |
| 3) Chloromethane           | 1.53 | 50  | 927  | 0.166 ug/L # | 78     |
| 13) Acetone                | 2.65 | 43  | 3710 | 3.416 ug/L   | 100    |
| 19) 1,1-Dichloroethane     | 3.89 | 63  | 7189 | 0.736 ug/L # | 90     |
| 22) cis-1,2-Dichloroethene | 4.69 | 96  | 3948 | 0.705 ug/L   | 78     |
| 25) Chloroform             | 5.11 | 83  | 9949 | 1.008 ug/L   | 94     |
| 34) Trichloroethene        | 6.56 | 95  | 2920 | 0.501 ug/L   | 93     |
| 47) Tetrachloroethene      | 8.56 | 164 | 1047 | 0.258 ug/L   | 83     |

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

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