

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070920\  
 Data File : VU039393.D  
 Acq On : 09 Jul 2020 14:18  
 Operator : SY/MD  
 Sample : L3231-07  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 H4293

Quant Time: Jul 10 01:02:53 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR070720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jul 10 00:19:08 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 107760   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 101134   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 49929    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 29719    | 4.76     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 95.20% |
| 7) Chloroethane-d5             | 1.92   | 69    | 25293    | 3.96     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 79.20% |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 40686    | 3.31     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 66.20% |
| 20) 2-Butanone-d5              | 4.66   | 46    | 116184   | 40.66    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 81.32% |
| 24) Chloroform-d               | 5.08   | 84    | 56163    | 4.22     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 84.40% |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 35359    | 4.24     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 84.80% |
| 32) Benzene-d6                 | 5.74   | 84    | 108175   | 4.44     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 88.80% |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 36908    | 4.31     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 86.20% |
| 41) Toluene-d8                 | 7.91   | 98    | 91018    | 4.31     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 86.20% |
| 43) trans-1,3-Dichloropropene- | 8.19   | 79    | 15297    | 4.05     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 81.00% |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 86159    | 38.45    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 76.90% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.76  | 84    | 33555    | 3.96     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 79.20% |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 40298    | 4.52     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 90.40% |

## Target Compounds

|                              |      |    |       |            | Ovalue |
|------------------------------|------|----|-------|------------|--------|
| 5) Vinyl chloride            | 1.61 | 62 | 12175 | 1.386 ug/L | # 11   |
| 18) trans-1,2-Dichloroethene | 3.37 | 96 | 5447  | 0.768 ug/L | 92     |
| 22) cis-1,2-Dichloroethene   | 4.69 | 96 | 3054  | 0.384 ug/L | 83     |

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

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