

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081020\  
 Data File : VU039828.D  
 Acq On : 10 Aug 2020 16:55  
 Operator : SY/MD  
 Sample : L3578-02  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFWP0

Quant Time: Aug 11 05:43:09 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR080320WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Aug 11 04:57:12 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.26  | 114  | 81230    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.42  | 117  | 80217    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.81 | 152  | 37640    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.60   | 65    | 27689    | 6.31     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 126.20% |
| 7) Chloroethane-d5             | 1.92   | 69    | 20047    | 4.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 84.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.58   | 63    | 32891    | 3.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 74.40%  |
| 20) 2-Butanone-d5              | 4.67   | 46    | 98748    | 51.19    | ug/L | 0.03    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 102.38% |
| 24) Chloroform-d               | 5.08   | 84    | 41923    | 3.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 76.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.72   | 65    | 25028    | 3.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 76.80%  |
| 32) Benzene-d6                 | 5.74   | 84    | 77970    | 4.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 81.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.70   | 67    | 25649    | 3.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 78.40%  |
| 41) Toluene-d8                 | 7.91   | 98    | 65339    | 3.86     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 77.20%  |
| 43) trans-1,3-Dichloropropene- | 8.18   | 79    | 9014     | 3.60     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 72.00%  |
| 46) 2-Hexanone-d5              | 8.64   | 63    | 55576    | 40.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 81.96%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.76  | 84    | 23046    | 3.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 72.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.19  | 152   | 29531    | 4.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 91.60%  |

## Target Compounds

|                                |      |     |          |               | Ovalue |
|--------------------------------|------|-----|----------|---------------|--------|
| 3) Chloromethane               | 1.53 | 50  | 6296     | 0.914 ug/L    | 83     |
| 5) Vinyl chloride              | 1.61 | 62  | 940137   | 142.347 ug/L  | 100    |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.59 | 101 | 17716    | 3.179 ug/L    | 96     |
| 12) 1,1-Dichloroethene         | 2.59 | 96  | 6782     | 1.400 ug/L #  | 47     |
| 18) trans-1,2-Dichloroethene   | 3.37 | 96  | 171060   | 31.709 ug/L   | 97     |
| 22) cis-1,2-Dichloroethene     | 4.69 | 96  | 10130545 | 1726.557 ug/L | 73     |
| 34) Trichloroethene            | 6.55 | 95  | 11424    | 2.013 ug/L    | 91     |
| 52) Ethylbenzene               | 9.57 | 91  | 6014     | 0.234 ug/L    | 97     |
| 53) m,p-Xylene                 | 9.70 | 106 | 1153     | 0.118 ug/L    | 64     |

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

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