

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101219\  
 Data File : VU035131.D  
 Acq On : 12 Oct 2019 08:57  
 Operator : JC/SP  
 Sample : K5310-13  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 58 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MW-5-001-01

Quant Time: Oct 14 03:06:12 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100719WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Oct 14 01:16:14 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 180606   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 187611   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.46 | 152  | 89274    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 50481    | 4.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 94.60%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 49498    | 4.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 99.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.26   | 63    | 75391    | 3.35     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 67.00%  |
| 20) 2-Butanone-d5              | 4.17   | 46    | 157052   | 49.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 99.90%  |
| 24) Chloroform-d               | 4.62   | 84    | 93526    | 4.69     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.29   | 65    | 53882    | 4.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 90.20%  |
| 32) Benzene-d6                 | 5.32   | 84    | 200004   | 4.55     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 91.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.31   | 67    | 66070    | 4.49     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 89.80%  |
| 41) Toluene-d8                 | 7.54   | 98    | 204093   | 4.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.00%  |
| 43) trans-1,3-Dichloropropene- | 7.84   | 79    | 22073    | 4.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 83.40%  |
| 46) 2-Hexanone-d5              | 8.30   | 63    | 129876   | 51.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 103.18% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41  | 84    | 59339    | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 95.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.84  | 152   | 76645    | 5.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 101.80% |

| Target Compounds     |       |     |        |              | Ovalue |
|----------------------|-------|-----|--------|--------------|--------|
| 30) Cyclohexane      | 4.97  | 56  | 30079  | 1.298 ug/L # | 97     |
| 33) Benzene          | 5.37  | 78  | 99487  | 1.760 ug/L   | 100    |
| 42) Toluene          | 7.62  | 91  | 11232  | 0.190 ug/L   | 95     |
| 56) Isopropylbenzene | 10.14 | 105 | 126460 | 2.017 ug/L   | 99     |

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

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