

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071719\  
 Data File : VU033298.D  
 Acq On : 17 Jul 2019 18:24  
 Operator : JC/SP  
 Sample : K3772-14DL2 100X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 A52R1DL2

Quant Time: Jul 18 09:24:28 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR071619WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Jul 18 08:01:21 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 121708   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 133437   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 55896    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39   | 65    | 47902    | 3.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 78.20%  |
| 7) Chloroethane-d5             | 1.67   | 69    | 44237    | 4.33     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 86.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.26   | 63    | 79831    | 3.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 67.40%  |
| 20) 2-Butanone-d5              | 4.17   | 46    | 93708    | 40.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 81.14%  |
| 24) Chloroform-d               | 4.62   | 84    | 72319    | 4.00     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 80.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.29   | 65    | 48664    | 4.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 99.60%  |
| 32) Benzene-d6                 | 5.32   | 84    | 160291   | 4.31     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 86.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.31   | 67    | 52407    | 4.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 88.60%  |
| 41) Toluene-d8                 | 7.55   | 98    | 134662   | 3.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 76.60%  |
| 43) trans-1,3-Dichloropropene- | 7.84   | 79    | 19729    | 4.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 83.20%  |
| 46) 2-Hexanone-d5              | 8.30   | 63    | 91988    | 47.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 94.52%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.42  | 84    | 49154    | 5.00     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 100.00% |
| 64) 1,2-Dichlorobenzene-d4     | 11.85  | 152   | 54535    | 5.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 100.20% |

## Target Compounds

|                            |      |    |       | Ovalue     |      |
|----------------------------|------|----|-------|------------|------|
| 5) Vinyl chloride          | 1.40 | 62 | 4584  | 0.350 ug/L | # 74 |
| 22) cis-1,2-Dichloroethene | 4.20 | 96 | 68896 | 7.381 ug/L | 100  |
| 34) Trichloroethene        | 6.16 | 95 | 35932 | 3.593 ug/L | 100  |

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

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