

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021919\  
 Data File : VU029561.D  
 Acq On : 19 Feb 2019 17:39  
 Operator : JC/SP  
 Sample : K1488-13 25X  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ESXE9

Quant Time: Feb 22 11:35:08 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR021219WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Feb 20 00:07:58 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 210345   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 202904   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 108635   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 56068    | 3.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 79.40%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 53113    | 4.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 85.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.27   | 63    | 90398    | 2.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 58.80%# |
| 20) 2-Butanone-d5              | 4.19   | 46    | 157640   | 53.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 107.30% |
| 24) Chloroform-d               | 4.65   | 84    | 89486    | 3.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 79.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.31   | 65    | 57344    | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 95.80%  |
| 32) Benzene-d6                 | 5.34   | 84    | 224383   | 4.60     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.33   | 67    | 70974    | 4.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 98.40%  |
| 41) Toluene-d8                 | 7.56   | 98    | 214697   | 4.46     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.20%  |
| 43) trans-1,3-Dichloropropene- | 7.85   | 79    | 26892    | 4.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 83.60%  |
| 46) 2-Hexanone-d5              | 8.31   | 63    | 152740   | 51.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 103.02% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43  | 84    | 62469    | 4.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 99.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86  | 152   | 96409    | 4.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 96.20%  |

## Target Compounds

|                            |      |     |        |        | Ovalue  |
|----------------------------|------|-----|--------|--------|---------|
| 5) Vinyl chloride          | 1.40 | 62  | 27905  | 1.378  | ug/L 92 |
| 22) cis-1,2-Dichloroethene | 4.22 | 96  | 200167 | 11.789 | ug/L 97 |
| 34) Trichloroethene        | 6.18 | 95  | 127073 | 7.567  | ug/L 96 |
| 47) Tetrachloroethene      | 8.22 | 164 | 461055 | 29.974 | ug/L 99 |

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

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