

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU120619\  
 Data File : VU036026.D  
 Acq On : 06 Dec 2019 16:27  
 Operator : JC/SP  
 Sample : K6167-12  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFQX7

Quant Time: Dec 06 23:58:12 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR120319WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Dec 06 22:30:31 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.29  | 114  | 286264   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 293958   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.84 | 152  | 80861    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 135524   | 4.15     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 83.00%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 137893   | 5.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 105.40% |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 154447   | 3.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 66.00%  |
| 20) 2-Butanone-d5              | 4.68   | 46    | 217318   | 37.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 75.22%  |
| 24) Chloroform-d               | 5.11   | 84    | 201584   | 4.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.75   | 65    | 106799   | 4.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 90.00%  |
| 32) Benzene-d6                 | 5.77   | 84    | 414697   | 4.76     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.73   | 67    | 128609   | 4.56     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 91.20%  |
| 41) Toluene-d8                 | 7.93   | 98    | 352783   | 4.40     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 88.00%  |
| 43) trans-1,3-Dichloropropene- | 8.21   | 79    | 47547    | 4.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 83.60%  |
| 46) 2-Hexanone-d5              | 8.67   | 63    | 176643   | 39.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 78.90%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79  | 84    | 100087   | 4.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 84.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.22  | 152   | 88495    | 5.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 106.00% |

## Target Compounds

| Target Compounds         | R.T. | QIon | Response | Conc   | Units  | Ovalue |
|--------------------------|------|------|----------|--------|--------|--------|
| 3) Chloromethane         | 1.54 | 50   | 3891     | 0.115  | ug/L   | 97     |
| 6) Bromomethane          | 1.87 | 94   | 2527     | 0.129  | ug/L   | 96     |
| 13) Acetone              | 2.66 | 43   | 124281   | 23.789 | ug/L   | 99     |
| 15) Methyl Acetate       | 2.99 | 43   | 4636     | 0.495  | ug/L   | 94     |
| 16) Methylene chloride   | 3.08 | 84   | 6597     | 0.208  | ug/L   | 87     |
| 21) 2-Butanone           | 4.77 | 43   | 34401    | 5.129  | ug/L   | 90     |
| 40) 4-Methyl-2-pentanone | 7.84 | 43   | 26435    | 1.797  | ug/L # | 88     |
| 42) Toluene              | 8.00 | 91   | 13008    | 0.135  | ug/L   | 89     |

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

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