

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081619\  
 Data File : VU033820.D  
 Acq On : 15 Aug 2019 19:19  
 Operator : JC/SP  
 Sample : K4369-01  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0CD3

Quant Time: Aug 16 03:53:54 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM081619WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 16 02:54:51 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 391013   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 388744   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 179506   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 162596   | 46.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 92.44%  |
| 7) Chloroethane-d5             | 1.67    | 69    | 149123   | 45.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 90.64%  |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 214097   | 36.42    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 72.84%  |
| 21) 2-Butanone-d5              | 4.16    | 46    | 192526   | 104.35   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 104.35% |
| 24) Chloroform-d               | 4.62    | 84    | 268657   | 47.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.90%  |
| 26) 1,2-Dichloroethane-d4      | 5.29    | 65    | 174105   | 49.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.30%  |
| 32) Benzene-d6                 | 5.32    | 84    | 540777   | 49.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.86%  |
| 36) 1,2-Dichloropropane-d6     | 6.31    | 67    | 173379   | 49.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 98.22%  |
| 41) Toluene-d8                 | 7.55    | 98    | 485697   | 48.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 96.52%  |
| 43) trans-1,3-Dichloropropene- | 7.83    | 79    | 79373    | 48.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 96.42%  |
| 47) 2-Hexanone-d5              | 8.30    | 63    | 133336   | 102.54   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 102.54% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41   | 84    | 231915   | 47.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 95.06%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.84   | 152   | 191560   | 53.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 107.08% |

## Target Compounds

|                            |       |     |        |        | Ovalue   |
|----------------------------|-------|-----|--------|--------|----------|
| 13) Acetone                | 2.32  | 43  | 16232  | 8.952  | ug/L 97  |
| 51) Chlorobenzene          | 9.10  | 112 | 34037  | 4.151  | ug/L 97  |
| 62) 1,3-Dichlorobenzene    | 11.40 | 146 | 8771   | 1.557  | ug/L 97  |
| 63) 1,4-Dichlorobenzene    | 11.49 | 146 | 49680  | 8.519  | ug/L 99  |
| 65) 1,2-Dichlorobenzene    | 11.86 | 146 | 427626 | 75.731 | ug/L 98  |
| 68) 1,2,4-trichlorobenzene | 13.49 | 180 | 79093  | 22.231 | ug/L 100 |
| 70) 1,2,3-Trichlorobenzene | 13.97 | 180 | 66038  | 17.884 | ug/L 98  |

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

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