

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080219\  
 Data File : VU033574.D  
 Acq On : 02 Aug 2019 16:52  
 Operator : JC/SP  
 Sample : K4103-16DL 5X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 DB9F7DL

Quant Time: Aug 03 01:45:39 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM073119WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Aug 03 00:39:04 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 296972   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 296303   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 141668   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 130864   | 60.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 121.22% |
| 7) Chloroethane-d5             | 1.67    | 69    | 112328   | 60.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 121.26% |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 183987   | 46.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 93.90%  |
| 21) 2-Butanone-d5              | 4.15    | 46    | 184857   | 129.26   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 129.26% |
| 24) Chloroform-d               | 4.62    | 84    | 208247   | 57.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 115.08% |
| 26) 1,2-Dichloroethane-d4      | 5.29    | 65    | 136082   | 59.37    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 118.74% |
| 32) Benzene-d6                 | 5.32    | 84    | 426567   | 58.07    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 116.14% |
| 36) 1,2-Dichloropropane-d6     | 6.31    | 67    | 137665   | 59.79    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 119.58% |
| 41) Toluene-d8                 | 7.55    | 98    | 377997   | 54.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 109.84% |
| 43) trans-1,3-Dichloropropene- | 7.83    | 79    | 61494    | 53.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 107.68% |
| 47) 2-Hexanone-d5              | 8.29    | 63    | 133367   | 122.00   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 122.00% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41   | 84    | 200297   | 56.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 112.82% |
| 64) 1,2-Dichlorobenzene-d4     | 11.85   | 152   | 151066   | 58.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 116.46% |

| Target Compounds           |      |    |       |             | Ovalue |
|----------------------------|------|----|-------|-------------|--------|
| 20) cis-1,2-Dichloroethene | 4.20 | 96 | 92119 | 40.733 ug/L | 98     |
| 34) Trichloroethene        | 6.16 | 95 | 54780 | 24.295 ug/L | 97     |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU080219\  
Data File : VU033574.D  
Acq On : 02 Aug 2019 16:52  
Operator : JC/SP  
Sample : K4103-16DL 5X  
Misc : 5.0mL/MSVOA U/WATER  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
DB9F7DL

Quant Time: Aug 03 01:45:39 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM073119WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Aug 03 00:39:04 2019  
Response via : Initial Calibration

