

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU080718\  
 Data File : VU025949.D  
 Acq On : 07 Aug 2018 19:39  
 Operator : MD/SY  
 Sample : VIBLK43  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VIBLK43

Quant Time: Aug 08 05:23:41 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM080718WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Aug 07 12:44:32 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 330373   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 297548   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 125716   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 80529    | 43.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 87.98%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 66818    | 48.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 97.34%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 120864   | 34.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 68.18%  |
| 21) 2-Butanone-d5              | 4.18    | 46    | 131621   | 104.49   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 104.49% |
| 24) Chloroform-d               | 4.65    | 84    | 169350   | 47.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.56%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 115109   | 49.21    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.42%  |
| 32) Benzene-d6                 | 5.35    | 84    | 334874   | 51.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 102.12% |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 106987   | 52.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 104.94% |
| 41) Toluene-d8                 | 7.57    | 98    | 305361   | 47.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.98%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 50695    | 47.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 94.82%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 88772    | 104.61   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 104.61% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44   | 84    | 138938   | 49.18    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 98.36%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 113658   | 54.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 109.46% |

| Target Compounds           |       |     |      |           | Ovalue |
|----------------------------|-------|-----|------|-----------|--------|
| 68) 1,2,4-trichlorobenzene | 13.51 | 180 | 5333 | 2.22 ug/L | 98     |

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

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