

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU031119\  
 Data File : VU029923.D  
 Acq On : 09 Mar 2019 16:29  
 Operator : JC/SP  
 Sample : K1789-17  
 Misc : 5.99g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BF0Q0

Manual Integrations  
 APPROVED

MMDadoda  
 3/11/2019 10:53:28 AM

Quant Time: Mar 11 03:46:20 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM031119WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Mar 11 02:20:19 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 550311   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 553438   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 292459   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 143394   | 42.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 85.42%  |
| 7) Chloroethane-d5             | 1.64    | 69    | 60185m   | 21.32    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 42.64%# |
| 11) 1,1-Dichloroethene-d2      | 2.23    | 63    | 199602   | 31.54    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 63.08%  |
| 21) 2-Butanone-d5              | 4.19    | 46    | 221711   | 85.23    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 85.23%  |
| 24) Chloroform-d               | 4.64    | 84    | 261364   | 40.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 80.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 160954   | 42.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 84.08%  |
| 32) Benzene-d6                 | 5.33    | 84    | 571938   | 41.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 82.94%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 171447   | 41.16    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 82.32%  |
| 41) Toluene-d8                 | 7.56    | 98    | 533168   | 40.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 80.58%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 80509    | 39.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 79.88%  |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 209738   | 93.58    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 93.58%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 295649   | 44.95    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 89.90%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 242773   | 42.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 84.64%  |

| Target Compounds      |      |     |       |        | Ovalue   |
|-----------------------|------|-----|-------|--------|----------|
| 3) Chloromethane      | 1.32 | 50  | 59692 | 10.746 | ug/L 100 |
| 6) Bromomethane       | 1.60 | 94  | 2860  | 2.507  | ug/L 95  |
| 46) Tetrachloroethene | 8.22 | 164 | 21283 | 6.202  | ug/L 94  |

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

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