

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040419\  
 Data File : VU030659.D  
 Acq On : 04 Apr 2019 04:13  
 Operator : JC/SP  
 Sample : K2215-17  
 Misc : 5.51g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BF2P6

Manual Integrations  
 APPROVED

MMDadoda  
 4/4/2019 11:39:56 AM

Quant Time: Apr 04 08:32:29 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM032319WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 04 07:55:17 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 615479   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 593024   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 288554   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 149589   | 30.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 60.40%  |
| 7) Chloroethane-d5             | 1.64    | 69    | 104572m  | 26.64    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 53.28%# |
| 11) 1,1-Dichloroethene-d2      | 2.24    | 63    | 236292   | 25.15    | ug/L | -0.03   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 50.30%# |
| 21) 2-Butanone-d5              | 4.19    | 46    | 323599   | 69.50    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 69.50%  |
| 24) Chloroform-d               | 4.64    | 84    | 278965   | 32.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 65.38%# |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 189286   | 33.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 67.78%# |
| 32) Benzene-d6                 | 5.33    | 84    | 610246   | 35.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 71.76%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 210361   | 36.15    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 72.30%  |
| 41) Toluene-d8                 | 7.56    | 98    | 530695   | 34.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 69.50%# |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 87824    | 32.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 64.20%  |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 229489   | 72.78    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 72.78%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 309747   | 37.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 74.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 208961   | 36.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 72.28%# |

| Target Compounds       |      |    |      |            | Ovalue |
|------------------------|------|----|------|------------|--------|
| 16) Methylene chloride | 2.68 | 84 | 2974 | 0.573 ug/L | 98     |

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

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