

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040119\  
 Data File : VU030601.D  
 Acq On : 31 Mar 2019 19:30  
 Operator : JC/SP  
 Sample : K2166-16ME  
 Misc : 5.64g/5.0ml/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BF0M6ME

Manual Integrations  
 APPROVED

MMDadoda  
 4/1/2019 11:06:22 AM

Quant Time: Apr 01 04:40:42 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM032319WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Mon Apr 01 02:05:14 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 432298   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 434617   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 199767   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |          |
|--------------------------------|---------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 209709   | 60.28    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 120.56%  |
| 7) Chloroethane-d5             | 1.64    | 69    | 165923m  | 60.17    | ug/L | -0.03    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 120.34%  |
| 11) 1,1-Dichloroethene-d2      | 2.23    | 63    | 333782   | 50.58    | ug/L | -0.04    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 101.16%  |
| 21) 2-Butanone-d5              | 4.19    | 46    | 464485   | 142.02   | ug/L | 0.02     |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 142.02%# |
| 24) Chloroform-d               | 4.64    | 84    | 404343   | 67.46    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 134.92%# |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 287311   | 73.25    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 146.50%# |
| 32) Benzene-d6                 | 5.33    | 84    | 857827   | 68.83    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 137.66%# |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 305761   | 71.70    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 143.40%# |
| 41) Toluene-d8                 | 7.56    | 98    | 767123   | 68.53    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 137.06%# |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 137741   | 68.69    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 137.38%# |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 343899   | 148.82   | ug/L | 0.00     |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 148.82%# |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 481579   | 78.92    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 157.84%# |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 303317   | 75.78    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 151.56%# |

| Target Compounds      |      |     |       |             | Ovalue |
|-----------------------|------|-----|-------|-------------|--------|
| 46) Tetrachloroethene | 8.22 | 164 | 27903 | 10.984 ug/L | 96     |

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

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