

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040119\  
 Data File : VU030600.D  
 Acq On : 31 Mar 2019 19:07  
 Operator : JC/SP  
 Sample : K2166-15ME  
 Misc : 5.38g/5.0ml/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BF0M5ME

Manual Integrations  
 APPROVED

MMDadoda  
 4/1/2019 11:06:17 AM

Quant Time: Apr 01 04:40:05 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  | 463544   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 459377   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 207582   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 140953   | 37.78    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 75.56% |
| 7) Chloroethane-d5             | 1.64    | 69    | 111779   | 37.80    | ug/L | -0.03  |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 75.60% |
| 11) 1,1-Dichloroethene-d2      | 2.23    | 63    | 218931m  | 30.94    | ug/L | -0.04  |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 61.88% |
| 21) 2-Butanone-d5              | 4.19    | 46    | 304848   | 86.93    | ug/L | 0.02   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 86.93% |
| 24) Chloroform-d               | 4.64    | 84    | 267214   | 41.57    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 83.14% |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 187831   | 44.66    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.32% |
| 32) Benzene-d6                 | 5.33    | 84    | 560499   | 42.55    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 85.10% |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 199179   | 44.19    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 88.38% |
| 41) Toluene-d8                 | 7.56    | 98    | 494793   | 41.82    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 83.64% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 85585    | 40.38    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 80.76% |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 217616   | 89.10    | ug/L | 0.01   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 89.10% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 310026   | 48.07    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 96.14% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 193396   | 46.50    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.00% |

| Target Compounds      |      |     |       |             | Ovalue |
|-----------------------|------|-----|-------|-------------|--------|
| 46) Tetrachloroethene | 8.22 | 164 | 29127 | 10.848 ug/L | 99     |

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

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