

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040419\  
 Data File : VU030637.D  
 Acq On : 03 Apr 2019 19:05  
 Operator : JC/SP  
 Sample : K2101-16ME  
 Misc : 4.47g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BF0E7ME

Manual Integrations  
 APPROVED

MMDadoda  
 4/4/2019 11:56:54 AM

Quant Time: Apr 04 08:40:06 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM032319WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Apr 04 06:52:42 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 618709   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 604187   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 302748   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 157982   | 31.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 63.46%  |
| 7) Chloroethane-d5             | 1.64    | 69    | 108676   | 27.54    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 55.08%# |
| 11) 1,1-Dichloroethene-d2      | 2.24    | 63    | 238635m  | 25.26    | ug/L | -0.03   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 50.52%# |
| 21) 2-Butanone-d5              | 4.19    | 46    | 291015   | 62.17    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 62.17%  |
| 24) Chloroform-d               | 4.64    | 84    | 267968   | 31.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 62.48%# |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 181450   | 32.32    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 64.64%# |
| 32) Benzene-d6                 | 5.33    | 84    | 604609   | 34.90    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 69.80%# |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 204778   | 34.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 69.08%# |
| 41) Toluene-d8                 | 7.56    | 98    | 534970   | 34.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 68.76%# |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 89767    | 32.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 64.40%  |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 216557   | 67.41    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 67.41%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 290886   | 34.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 68.58%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 210674   | 34.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 69.46%# |

| Target Compounds      |      |     |       |            | Ovalue |
|-----------------------|------|-----|-------|------------|--------|
| 46) Tetrachloroethene | 8.22 | 164 | 26158 | 7.407 ug/L | 95     |

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

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