

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU032119\  
 Data File : VU030280.D  
 Acq On : 21 Mar 2019 20:52  
 Operator : JC/SP  
 Sample : K2017-12  
 Misc : 5.07g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BF0D8

Manual Integrations  
 APPROVED

MMDadoda  
 3/22/2019 1:05:56 PM

Quant Time: Mar 22 06:03:51 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM031919WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Mar 22 05:14:44 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 538416   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 542185   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 280491   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 104927   | 28.82    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 57.64%# |
| 7) Chloroethane-d5             | 1.64    | 69    | 47166m   | 16.20    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 32.40%# |
| 11) 1,1-Dichloroethene-d2      | 2.23    | 63    | 145903   | 21.97    | ug/L | -0.05   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 43.94%# |
| 21) 2-Butanone-d5              | 4.20    | 46    | 158567   | 58.71    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 58.71%  |
| 24) Chloroform-d               | 4.64    | 84    | 189334   | 28.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 56.68%# |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 116343   | 30.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 61.06%# |
| 32) Benzene-d6                 | 5.33    | 84    | 411093   | 28.77    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 57.54%# |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 130601   | 29.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 59.08%# |
| 41) Toluene-d8                 | 7.56    | 98    | 368057   | 27.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 54.80%# |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 55915    | 25.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 51.94%# |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 140950   | 61.48    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 61.48%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 212859   | 31.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 62.78%# |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 167483   | 29.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 59.48%# |

| Target Compounds | Ovalue |
|------------------|--------|
| -----            |        |

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU032119\  
Data File : VU030280.D  
Acq On : 21 Mar 2019 20:52  
Operator : JC/SP  
Sample : K2017-12  
Misc : 5.07µ/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 31 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BF0D8

Manual Integrations  
APPROVED

MMDadoda  
3/22/2019 1:05:56 PM

Quant Time: Mar 22 06:03:51 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM031919WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Mar 22 05:14:44 2019  
Response via : Initial Calibration

