

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120418\  
 Data File : VU028465.D  
 Acq On : 04 Dec 2018 14:15  
 Operator : MD/SY  
 Sample : J6171-05ME  
 Misc : 6.73g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F9Y09ME

Manual Integrations  
 APPROVED

MMDadoda  
 12/5/2018 9:14:23 AM

Quant Time: Dec 05 04:53:05 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM113018WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Dec 05 03:10:52 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 696033   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 677682   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 361559   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 186003   | 29.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 59.74%# |
| 7) Chloroethane-d5             | 1.64    | 69    | 153490m  | 32.10    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 64.20%# |
| 11) 1,1-Dichloroethene-d2      | 2.24    | 63    | 268927   | 24.28    | ug/L | -0.04   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 48.56%# |
| 21) 2-Butanone-d5              | 4.19    | 46    | 370766   | 72.55    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 72.55%  |
| 24) Chloroform-d               | 4.64    | 84    | 346694   | 34.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 69.02%# |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 230634   | 33.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 67.42%# |
| 32) Benzene-d6                 | 5.33    | 84    | 731991   | 34.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 69.38%# |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 265527   | 34.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 69.76%# |
| 41) Toluene-d8                 | 7.56    | 98    | 674753   | 35.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 70.58%# |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 122153   | 35.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 71.08%  |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 300443   | 81.72    | ug/L | 0.01    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 81.72%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44   | 84    | 395786   | 40.67    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 81.34%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 289036   | 39.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 79.50%# |

| Target Compounds      |       |     |         |              | Ovalue |
|-----------------------|-------|-----|---------|--------------|--------|
| 29) Cyclohexane       | 4.98  | 56  | 323356  | 29.401 ug/L  | 95     |
| 35) Methylcyclohexane | 6.41  | 83  | 1066812 | 110.101 ug/L | 92     |
| 56) Isopropylbenzene  | 10.17 | 105 | 79333   | 3.253 ug/L   | 99     |

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

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