

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU121818\  
 Data File : VU028769.D  
 Acq On : 18 Dec 2018 14:52  
 Operator : MD/SY  
 Sample : J6441-03  
 Misc : 5.11g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BE814

Quant Time: Dec 19 00:57:30 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM120718WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Dec 19 00:38:48 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 194910   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 190723   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 91444    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 63861    | 35.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 70.16%  |
| 7) Chloroethane-d5             | 1.64    | 69    | 38737    | 28.39    | ug/L | -0.03   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 56.78%# |
| 11) 1,1-Dichloroethene-d2      | 2.24    | 63    | 81289    | 25.33    | ug/L | -0.03   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 50.66%# |
| 21) 2-Butanone-d5              | 4.19    | 46    | 97283    | 66.55    | ug/L | 0.02    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 66.55%  |
| 24) Chloroform-d               | 4.64    | 84    | 99347    | 34.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 68.96%# |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 64439    | 33.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 67.86%# |
| 32) Benzene-d6                 | 5.33    | 84    | 224271   | 37.61    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 75.22%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 78026    | 36.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 72.86%  |
| 41) Toluene-d8                 | 7.56    | 98    | 201212   | 37.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 74.00%# |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 34764    | 35.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 70.98%  |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 84042    | 81.03    | ug/L | 0.01    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 81.03%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 117121   | 42.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 84.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 80983    | 43.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 87.30%  |

| Target Compounds   |      |    |      |            | Qvalue |
|--------------------|------|----|------|------------|--------|
| 15) Methyl Acetate | 2.63 | 43 | 4173 | 1.832 ug/L | 96     |

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

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