

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040419\  
 Data File : VU030631.D  
 Acq On : 03 Apr 2019 16:47  
 Operator : JC/SP  
 Sample : K2148-11  
 Misc : 4.46g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BF5F8

Manual Integrations  
 APPROVED

MMDadoda  
 4/4/2019 11:54:40 AM

Quant Time: Apr 04 07:22:49 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  | 502813   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 505733   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 262277   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 175302   | 43.32    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 86.64% |
| 7) Chloroethane-d5             | 1.64    | 69    | 122453m  | 38.18    | ug/L | -0.04  |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 76.36% |
| 11) 1,1-Dichloroethene-d2      | 2.24    | 63    | 260124   | 33.89    | ug/L | -0.03  |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 67.78% |
| 21) 2-Butanone-d5              | 4.19    | 46    | 295417   | 77.66    | ug/L | 0.02   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 77.66% |
| 24) Chloroform-d               | 4.64    | 84    | 283459   | 40.66    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 81.32% |
| 26) 1,2-Dichloroethane-d4      | 5.30    | 65    | 192498   | 42.19    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 84.38% |
| 32) Benzene-d6                 | 5.33    | 84    | 613982   | 42.33    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 84.66% |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 209866   | 42.29    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 84.58% |
| 41) Toluene-d8                 | 7.56    | 98    | 530217   | 40.71    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 81.42% |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 93764    | 40.19    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 80.38% |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 207601   | 77.21    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 77.21% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 300481   | 42.32    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 84.64% |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 231778   | 44.10    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 88.20% |

Target Compounds Ovalue

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

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