

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042719\  
 Data File : VU031531.D  
 Acq On : 26 Apr 2019 14:34  
 Operator : JC/SP  
 Sample : K2481-20ME  
 Misc : 5.02g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GAHX3ME

Quant Time: Apr 27 01:16:40 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Apr 27 00:11:31 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 817146   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 774969   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 360083   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |          |
|--------------------------------|---------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 450131   | 65.82    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 131.64%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 290950   | 55.05    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 110.10%  |
| 11) 1,1-Dichloroethene-d2      | 2.24    | 63    | 656411   | 48.20    | ug/L | -0.03    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 96.40%   |
| 21) 2-Butanone-d5              | 4.20    | 46    | 717041   | 115.72   | ug/L | 0.01     |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 115.72%  |
| 24) Chloroform-d               | 4.64    | 84    | 721204   | 57.58    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 115.16%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 490734   | 59.97    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 119.94%  |
| 32) Benzene-d6                 | 5.33    | 84    | 1554871  | 65.34    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 130.68%# |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 540600   | 64.57    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 129.14%# |
| 41) Toluene-d8                 | 7.56    | 98    | 1363377  | 65.78    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 131.56%# |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 239639   | 66.68    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 133.36%# |
| 47) 2-Hexanone-d5              | 8.34    | 63    | 555250   | 153.22   | ug/L | 0.03     |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 153.22%# |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44   | 84    | 667621   | 59.42    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 118.84%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 475188   | 62.75    | ug/L | 0.00     |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 125.50%# |

## Target Compounds

|                  |      |     |        |            | Ovalue |
|------------------|------|-----|--------|------------|--------|
| 33) Benzene      | 5.38 | 78  | 16625  | 0.583 ug/L | 100    |
| 42) Toluene      | 7.64 | 91  | 105525 | 3.718 ug/L | 97     |
| 52) Ethylbenzene | 9.25 | 91  | 45738  | 1.554 ug/L | 97     |
| 53) m,p-Xylene   | 9.38 | 106 | 62917  | 6.134 ug/L | 95     |
| 54) o-xylene     | 9.78 | 106 | 79744  | 7.842 ug/L | 93     |
| 55) Styrene      | 9.80 | 104 | 72984  | 4.201 ug/L | 96     |

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

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