

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042019\  
 Data File : VU031371.D  
 Acq On : 19 Apr 2019 19:54  
 Operator : JC/SP  
 Sample : K2456-03 50X  
 Misc : 5.00g/5mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 GAHS3

Quant Time: Apr 20 01:17:14 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM041719WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 19 23:12:12 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 738993   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 585626   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 294960   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 175242   | 25.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 51.50%# |
| 7) Chloroethane-d5             | 1.68    | 69    | 153192   | 25.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 51.86%# |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 264058   | 19.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 39.18%# |
| 21) 2-Butanone-d5              | 4.20    | 46    | 337905   | 68.17    | ug/L | 0.01    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 68.17%  |
| 24) Chloroform-d               | 4.64    | 84    | 337789   | 29.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 59.50%# |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 192156   | 27.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 54.96%# |
| 32) Benzene-d6                 | 5.34    | 84    | 649616   | 35.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 70.18%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 252951   | 42.10    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 84.20%  |
| 41) Toluene-d8                 | 7.56    | 98    | 673833   | 41.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 82.72%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 99979    | 34.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 69.62%  |
| 47) 2-Hexanone-d5              | 8.32    | 63    | 231406   | 81.58    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 81.58%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 311964   | 37.40    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 74.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 247010   | 36.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 73.02%# |

## Target Compounds

|                       |      |     |        |              | Ovalue |
|-----------------------|------|-----|--------|--------------|--------|
| 33) Benzene           | 5.39 | 78  | 22271  | 1.131 ug/L   | 100    |
| 35) Methvlcvclohexane | 6.41 | 83  | 8489   | 1.157 ug/L # | 93     |
| 42) Toluene           | 7.64 | 91  | 24754  | 1.263 ug/L   | 96     |
| 52) Ethylbenzene      | 9.25 | 91  | 39132  | 1.835 ug/L   | 97     |
| 53) m,p-Xylene        | 9.37 | 106 | 486502 | 64.633 ug/L  | 99     |
| 54) o-xylene          | 9.77 | 106 | 224321 | 29.429 ug/L  | 92     |
| 55) Styrene           | 9.79 | 104 | 200934 | 15.616 ug/L  | 100    |

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

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